

# Spacial Thalassa ClimaSys

Enclosures, accessories, thermal management  
and software systems





# Schneider Electric

Our Universal Enclosures ranges, solutions for each application

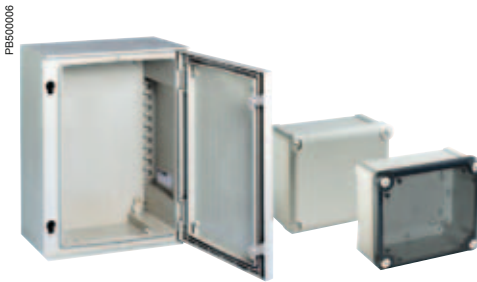


PB500006

## > Spacial Metal enclosures and boxes

From our small boxes to large suitable floor-standing enclosures, with the Spacial range you can find the perfect fit for your applications. Our extensive range of easy-to-use accessories helps you save time during your projects.

Select between steel or stainless steel to better suit the installation environment. In our stainless-steel offer you can find the optimal solution where cleanliness is required, or for highly corrosive environments.



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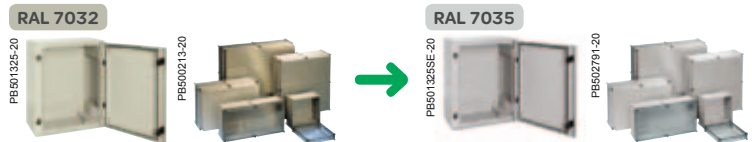
## > Thalassa Insulating enclosures

Working in difficult environments can, without the right protection, expose your installation to chemical or aggressive substances. Developed to efficiently protect it; our Thalassa offer, from boxes to floor-standing enclosures, made in fibreglass-reinforced polyester, resists in hard conditions and outdoor applications.

Our Thalassa industrial boxes in ABS or polycarbonate are strong, easy to install and designed to be used in highly demanding environments.

New

### Early 2016, the Thalassa polyester enclosure range changes color



#### > What products will be affected?

All our Thalassa range of polyester enclosures.

#### > What happen with the part numbers (references)?

Every product that have changed in colour have also changed the part number. It is done just adding a letter "G" at the end on reference. *Example:*

| RAL 7032 | RAL 7035  |
|----------|-----------|
| NSYPLM43 | NSYPLM43G |

#### > How can I obtain RAL 7032 enclosures?

Consult us.



PB50296-21

PB502812-30

## > ClimaSys Thermal management

Preserving and keeping the right temperature inside your enclosure is vital for maximising the lifetime of your installed devices. With our ClimaSys offer you can find the right solution, be it Ventilation, Cooling or Heating, including control units for temperature, humidity and much more.

# Industry and Infrastructure Offer

## A material for every environment

PB500013-55



### > Solution:

The Spacial range in steel (wall-mounting, monobloc and suitable floor-standing enclosures).

### > Steel

#### Indoor non-clean industrial environment

The industrial environment in mechanical plants is especially demanding as regards the protection of electric and electronic components against dust, splashing with oil and impacts. This environment therefore requires a range that is suited to the applications and easy to implement.

- **Standard range**, for industry.
- **E.M.C. range**, against electromagnetic disturbances (treated with Aluzinc).
- **Range of ATEX enclosures**, for potentially explosive atmospheres.

PB500014-55



### > Solution:

The Spacial range in stainless steel (wall-mounting, monobloc and suitable floor-standing enclosures).

### > 304L - 316L stainless steel

#### Demanding industrial environment

Food and beverage, pharmaceutical, petrochemical and infrastructure industries are particularly demanding in terms of hygiene and resistance to corrosion. With two grades of stainless steel:

- **304L stainless steel:**  
Resistance to corrosion and cleanability (often used in food production environments).
- **316L stainless steel, also known as "marine stainless steel":**  
Very high resistance to corrosion (saline or chlorinated environment).
- **Range of ATEX enclosures**, for potentially explosive atmospheres.

PB500015-28



PB500016-48



### > Solution:

The Thalassa range (boxes, wall-mounting and floor-standing enclosures).

### > Insulating polyester and plastic materials (ABS, polycarbonate)

#### Infrastructures and industrial environments

Outdoor infrastructures and electrical installations are exposed to direct sunlight, rain, saline mist, extreme temperatures, oil splashes, chemical and corrosive agents.

- **Standard range**, for industry and infrastructures.
- **Range of ATEX enclosures**, for potentially explosive atmospheres.

PB5002732-46



PB5002733-26



### > Solution:

The Thalassa PHD and Spacial S3HD and SFHD ranges (wall-mounting and floor-standing).

### > Heavy Duty materials New

#### Severe outdoor environments, generally requested by OEMs, telecom, water treatment and transportation

- Polyester Heavy Duty is suitable for outdoor public areas thanks to its multiple virtues:
  - pressure and shock resistant (IEC 61439-5: 2010),
  - anti-posting thanks to its special ribbed-surface door,
  - insulated (ready to be Class II according to IEC 61439-1: 2011).
- Steel Heavy Duty enclosures are designed for outdoor private areas:
  - they are engineered to resist aggressive environments (anti-corrosion certification class C4H, ISO 12944:1999).

# Selection tools

PE500009-185



## > [www.schneider-electric.com](http://www.schneider-electric.com)

Our web site allows you to access all the Schneider Electric products in just two clicks with direct links to:

- A complete library of technical documents, catalogues, FAQs brochures, etc.
- Certificates.
- 2D & 3D drawings.
- Selection Guides from the e-catalogue.
- Product discovery sites.



You may also find illustrated overviews, news to which you can subscribe, a list of country contacts and more useful information.

## Our software suite

60120-24



### > [Spatial.pro](#)

#### Find the right dimension for your enclosure

Spatial.pro allows you to make control panel quotations based on dimensions of electrical devices. A full project with several sets of control panels is quoted in minutes, with automatic creation of the Bill of Material and 2D drawings for front/side views.



### > [Digital Rules](#)

#### Find the accessories that suit your enclosure

The digital rules allow you to select the best components from the current product range. There will be no risk of mistake, since product and accessory selection take place automatically, saving you time and money.

PE500011-38



### > [ProClima](#)

#### Find the best thermal solution for your enclosure

Select and calculate your thermal management requirements, according to the environment and the electrical/electronic devices installed inside the enclosure.

DB300837-21



### > [Spatial.conf](#) New

#### Get your enclosure pre-engineered for your special needs

Spatial.conf software gives you total autonomy to configure and quote enclosures with services (cut-outs, painting, accessory mounting) in less than 3 minutes. Spatial.conf is designed for convenient, error-free, and time-saving orders.

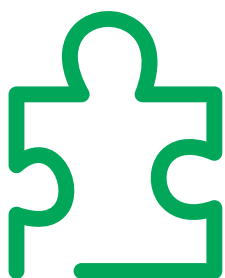
Have a smartphone or a tablet? Scan this >



# The customised solutions

Over **50 years** of experience, knowledge and expertise to have the best enclosure solution that meets your needs.

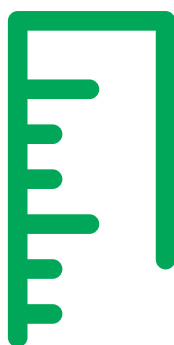
## Two offer levels to cover your different requirements



### Configured: the enriched standard offer

Feasibility automatically guaranteed by the configurator software Spacial.conf, which gives you autonomy and flexibility to quickly define your customized enclosure.

 Committed delivery date.



### Specific: the co-developed offer

Special dimensions, accessories and logistic needs. You participate to the whole development process of your "Tailor-made" solution.

 According to co-developed specifications.

|                        | Steel | Stainless steel | Insulating material |
|------------------------|-------|-----------------|---------------------|
| Boxes                  | ● ○   | ○               | ● ○                 |
| Wall-mounting          | ● ○   | ● ○             | ● ○                 |
| Compact floor-standing | ● ○   | ● ○             | ● ○                 |
| Modular floor-standing | ● ○   | ● ○             | ● ○                 |

● Configured offers
○ Specific offers



### Time saving

Delivered with cut-outs & painting: no waste of time



### Logistics

- Flexible management of your logistic option (scheduled delivery service for on-going orders)
- Special packaging



### Installation simplified

Enclosures delivered with cut-outs: you don't need special tools



### Ergonomic design

Customized project dedicate to your personal concern



PE500518-1B2



### Life time increased

- Cut-outs done before painting guarantees better anti-corrosion/sealing
- Painting service for better protection



### Quality improved

- No burrs on edges of cut-outs
- Guaranteed machining tolerances



### Aesthetics

- Large choice of colours
- External surfaces with no scratches



### Higher performances

- Adapted thermal management
- Upgraded stainless steel type

# Offers overview

## Spacial enclosures

### Steel

### Stainless-steel

#### Boxes



- SDB Derivation boxes and small enclosures p. 34
- S24 Safety boxes p. 36
- SBM Steel industrial boxes p. 38
  - SBMC FL21 Entry box p. 38
  - SBMB Bus box p. 38
- Characteristics**
  - From 85 x 85 x 49 to 400 x 800 x 120 mm
  - IP55 or IP66
  - Up to IK10

Consult us

#### Wall-mounting

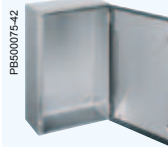


- S3D Wall-mounting steel p. 50
  - S3D 19" enclosures p. 367
  - S3DB Terminal enclosures p. 328
  - S3DBFL Terminal enclosures with FL21 cut-out p. 328
  - S3DM Distribution modular enclosures p. 326
  - VDM 19" enclosures p. 364
  - S3DEX Potentially explosive atmospheres p. 400
  - S3HF Electromagnetic compatibility p. 390
  - S3D 6G, S3D 6G K3 Seismic and nuclear enclosures p. 346

**Characteristics**

- From 300 x 200 x 150 to 1400 x 1000 x 300 mm
- Up to IP66
- Up to IK10

New



- S3X Wall-mounting p. 122
  - S3XEX Potentially explosive atmospheres p. 400

**Characteristics**

- From 300 x 200 x 150 to 1400 x 1000 x 300 mm
- Up to IP66
- Up to IK10

#### Floor-standing



- SM Floor-standing compact p. 80
  - SMHF Electromagnetic compatibility p. 391
- SF Floor-standing suitable p. 81
  - Compartmentalised application p. 442
  - Electronic application p. 370
  - Automobile application p. 448
  - SFP Prisma application p. 304
  - SFHF Electromagnetic compatibility p. 391
  - SF 5G, SFP 5G Seismic and nuclear enclosures p. 346

**Characteristics**

- From 1200 x 600 x 300 to 2200 x 1600 x 800 mm
- IP55
- Up to IK10

New



- SMX Floor-standing monobloc p. 132
- SFX Floor-standing suitable p. 132

**Characteristics**

- From 1200 x 600 x 300 to 2200 x 1600 x 800 mm
- IP66
- Up to IK10

#### Outdoor



- S3HD Wall-mounting Heavy Duty enclosures p. 332
- SFHD Floor-standing Heavy Duty enclosures p. 332

Spacial S3HD and SFHD are engineered to resist aggressive environments (anti-corrosion certification class C4 H, ISO 12.944).

**Options**

Ventilated plinths, roof ventilation module, slim fanbox, Heavy Duty fixings.

**Why should I choose it?**

Designed to resist in outdoor private areas.

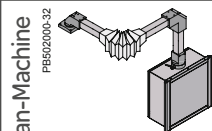
**Characteristics**

- From 300 x 200 x 180 to 2000 x 800 x 630 mm
- Up to IP66
- IK10

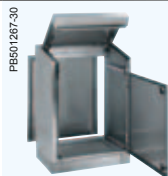
New

Consult us

#### Interface



- S3CM Control enclosures with suspension system p. 406
- SD Compact control desks p. 416
- SDF Control desks with console p. 416
- SF PC rack p. 432



- SDX Control desk p. 417
- SMX PC rack p. 436

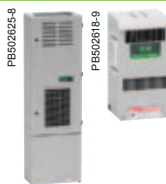
#### ClimaSys

##### Thermal management



- CV Ventilation Systems p. 460

- CA Natural airing p. 474



- CE Exchangers p. 478

- CU Cooling Units p. 489

New



- CC Thermal Control p. 513

- CR Resistance Heaters p. 506

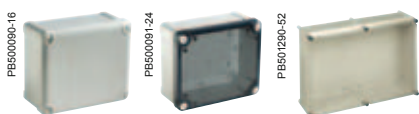
New



# Offers overview

## Thalassa enclosures

### Insulating materials



- PLS** Insulating modular boxes
- TBP** Polycarbonate industrial boxes
- TBS** ABS industrial boxes

p. 156  
p. 142  
p. 142

#### Characteristics

- From 74 x 74 x 54 to 540 x 720 x 230 mm
- Up to IP66
- Up to IK09

Details and technical datasheets available on [www.schneider-electric.com](http://www.schneider-electric.com)



**Spatial.pro**  
Graphic configurator



**Digital Rules**  
Enclosures selector



**Spatial.conf**  
Services configurator



**ProClima**  
Thermal calculation software

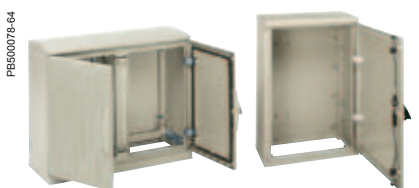


- PLM** Wall-mounting polyester
- **PLMEX** Potentially explosive atmospheres

p. 166  
p. 400

#### Characteristics

- From 308 x 215 x 160 to 1056 x 852 x 350 mm
- Up to IP66
- Up to IK10



- PLA** Floor-standing polyester enclosures
- PLD** Floor-standing DIN polyester enclosures

p. 182  
p. 206

#### Characteristics

- From 500 x 500 x 320 to 1500 x 1250 x 420 mm
- Up to IP65
- Up to IK10



- PHD** Polyester Heavy Duty enclosures

p. 332

#### Options

- Anti-burglary accessory, ventilated plinths, roof ventilation module, slim fanbox.
- pressure and shock resistant (IEC 61439-5),
- anti-posting thanks to its special front door,
- insulated (Class II).

#### Options

- Anti-burglary accessory, ventilated plinths, roof ventilation module, slim fanbox.

#### Why should I choose it?

Suitable for harsh environments in outdoor public areas.

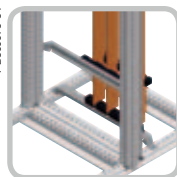
#### Characteristics

- From 500 x 500 x 320 to 2000 x 750 x 620 mm
- Up to IP65
- IK10

### Accessories



Mounting



Power distribution



Cable management

New

### Project & Services



Configured offer  
Adapted services: cut-outs, painting, assemblies...



Specific offer  
The co-development service tailor-made for you

### Spare Parts



Cable gland plate



Doors



Door accessories



Fixing hardware



Roof accessories



Schneider  
Electric

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|                                                 |            |
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# Selection guide

## Steel industrial boxes

### Metallic junction boxes SDB IP55

|                   | External dimensions (mm) |           |           | Models without knock-outs | Models with knock-outs, n° of drill holes, knock-outs and group |                |                | Dimensions (mm) |     |     | Plain mounting plate | Weight (kg) |
|-------------------|--------------------------|-----------|-----------|---------------------------|-----------------------------------------------------------------|----------------|----------------|-----------------|-----|-----|----------------------|-------------|
|                   | Height (A)               | Width (B) | Depth (C) | References                | References                                                      | Height (A)     | Width (B)      | D               | E   | F   | References           |             |
| Low cover models  | 85                       | 85        | 49        | NSYDBN88                  | NSYDB88M                                                        | 1 n° 1         | 1 n° 1         | 58              | 58  | -   | -                    | 0.18        |
|                   | 105                      | 105       | 49        | NSYDBN1010                | NSYDB1010M                                                      | 2 n° 1         | 1 n° 1         | 76              | 76  | -   | -                    | 0.25        |
|                   | 155                      | 105       | 61        | NSYDBN1510                | NSYDB1510M                                                      | 3 n° 1         | 1 n° 2         | 124             | 74  | 56  | NSYPMD1510           | 0.38        |
|                   | 206                      | 156       | 83        | NSYDBN2015                | NSYDB2015M                                                      | 3 n° 3         | 2 n° 3         | 172             | 122 | 78  | NSYPMD2015           | 1           |
|                   | 256                      | 206       | 93        | NSYDBN2520                | NSYDB2520M                                                      | 3 n° 4         | 2 n° 4         | 220             | 170 | 88  | NSYPMD2520           | 1.5         |
|                   | 307                      | 257       | 116       | NSYDBN3025                | NSYDB3025M                                                      | 2 n° 3, 2 n° 4 | 3 n° 4         | 268             | 218 | 110 | NSYPMD3025           | 3.3         |
| High cover models | 357                      | 307       | 136       | NSYDBN3530                | NSYDB3530M                                                      | 2 n° 3, 3 n° 4 | 2 n° 3, 2 n° 4 | 318             | 268 | 130 | NSYPMD3530           | 4.8         |
|                   | 155                      | 105       | 88        | NSYDAN1510                | NSYDA1510M                                                      | 3 n° 2         | 1 n° 2         | 124             | 74  | 83  | NSYPMD1510           | 0.45        |
|                   | 206                      | 156       | 122       | NSYDAN2015                | NSYDA2015M                                                      | 3 n° 3         | 2 n° 3         | 172             | 122 | 121 | NSYPMD2015           | 1.2         |
|                   | 256                      | 206       | 140       | NSYDAN2520                | NSYDA2520M                                                      | 3 n° 4         | 2 n° 4         | 220             | 170 | 131 | NSYPMD2520           | 1.9         |

### Metallic junction boxes SDB IP55

|                   | External dimensions (mm) |           |           | Models without knock-outs | Dimensions (mm) |     |     |    | Plain mounting plate | Weight (kg) |
|-------------------|--------------------------|-----------|-----------|---------------------------|-----------------|-----|-----|----|----------------------|-------------|
|                   | Height (A)               | Width (B) | Depth (C) | References                | D               | E   | F   | G  | References           |             |
| Low cover models  | 206                      | 156       | 83        | NSYDBN2015D               | 172             | 122 | 78  | 55 | NSYPMD2015           | 1           |
|                   | 256                      | 206       | 93        | NSYDBN2520D               | 220             | 170 | 88  | 55 | NSYPMD2520           | 1.5         |
|                   | 307                      | 257       | 116       | NSYDBN3025D               | 268             | 218 | 110 | 55 | NSYPMD3025           | 3.3         |
|                   | 357                      | 307       | 136       | NSYDBN3530D               | 318             | 268 | 130 | 55 | NSYPMD3530           | 4.8         |
| High cover models | 206                      | 156       | 122       | NSYDAN2015D               | 172             | 122 | 121 | 45 | NSYPMD2015           | 1.2         |
|                   | 256                      | 206       | 140       | NSYDAN2520D               | 220             | 170 | 131 | 45 | NSYPMD2520           | 1.9         |
|                   | 307                      | 257       | 174       | NSYDAN3025D               | 268             | 218 | 168 | 45 | NSYPMD3025           | 4           |
|                   | 357                      | 307       | 210       | NSYDAN3530D               | 318             | 268 | 204 | 45 | NSYPMD3530           | 5.8         |

### Metallic modular boxes

| External dimensions (mm) |       |       | S24 range            | SBM range     |               |               |   |
|--------------------------|-------|-------|----------------------|---------------|---------------|---------------|---|
| Height                   | Width | Depth | Opaque door + screws | SBM           | SBM           | SBMB          |   |
| 150                      | 150   | 80    | -                    | NSYSBM15158   | -             | -             |   |
|                          |       | 120   | -                    | NSYSBM151512  | -             | -             |   |
|                          | 200   | 80    | -                    | NSYSBM15208   | -             | -             |   |
|                          |       | 120   | -                    | NSYSBM152012  | -             | -             |   |
|                          | 300   | 80    | -                    | NSYSBM15308   | -             | -             |   |
|                          |       | 120   | -                    | NSYSBM153012  | NSYSBMC153012 | -             |   |
|                          |       | 80    | -                    | NSYSBM15408   | -             | -             |   |
|                          |       | 120   | -                    | NSYSBM154012  | NSYSBMC154012 | -             |   |
| 180                      | 130   | 96    | NSYSBS18139F         | -             | -             | -             |   |
|                          | 165   | 96    | NSYSBS18169F         | -             | -             | -             |   |
| 200                      | 200   | 80    | -                    | NSYSBM20208   | -             | -             |   |
|                          |       | 120   | -                    | NSYSBM202012  | -             | -             |   |
|                          | 300   | 80    | -                    | NSYSBM20308   | -             | -             |   |
|                          |       | 120   | -                    | NSYSBM203012  | NSYSBMC203012 | NSYSBMB203012 |   |
|                          | 400   | 80    | -                    | NSYSBM20408   | -             | -             |   |
|                          |       | 120   | -                    | NSYSBM204012  | NSYSBMC204012 | NSYSBMB204012 |   |
|                          | 500   | 80    | -                    | NSYSBM20508   | -             | -             |   |
|                          |       | 120   | -                    | NSYSBM205012  | -             | -             |   |
|                          |       | 80    | -                    | NSYSBM20608   | -             | -             |   |
|                          |       | 120   | -                    | NSYSBM206012  | NSYSBMC206012 | NSYSBMB206012 |   |
| 800                      | 120   | -     | NSYSBM208012         | NSYSBMC208012 | NSYSBMB208012 |               |   |
|                          | 120   | -     | NSYSBS232112F        | -             | -             |               |   |
| 230                      | 210   | 126   | NSYSBS232112F        | -             | -             | -             |   |
|                          | 300   | 300   | 120                  | -             | NSYSBM303012  | NSYSBMC303012 | - |
|                          |       | 400   | 120                  | -             | NSYSBM304012  | NSYSBMC304012 | - |
|                          |       | 500   | 120                  | -             | NSYSBM305012  | -             | - |
|                          |       | 600   | 120                  | -             | NSYSBM306012  | NSYSBMC306012 | - |
| 800                      |       | 120   | -                    | NSYSBM308012  | NSYSBMC308012 | -             |   |
| 400                      | 400   | 120   | -                    | NSYSBM404012  | NSYSBMC404012 | -             |   |
|                          | 500   | 120   | -                    | NSYSBM405012  | -             | -             |   |
|                          | 600   | 120   | -                    | NSYSBM406012  | NSYSBMC406012 | -             |   |
|                          | 800   | 120   | -                    | NSYSBM408012  | NSYSBMC408012 | -             |   |

# Selection guide

## Insulating industrial boxes

### Universal boxes with IP66

PB500090-16



PB500091-24



| Overall external dimensions (mm) |       |       | Overall internal dimensions (mm) |       |       | Body (mm) | Cover (mm) | Material      |                   | PC-UL IP66 IK08 |                   |
|----------------------------------|-------|-------|----------------------------------|-------|-------|-----------|------------|---------------|-------------------|-----------------|-------------------|
| Height                           | Width | Depth | Height                           | Width | Depth |           |            | ABS IP66 IK07 | Transparent cover | Opaque cover    | Transparent cover |
| 74                               | 74    | 54    | 65                               | 65    | 47    | 37        | 10         | NSYTBS775     | -                 | NSYTBP775       | -                 |
| 89                               | 89    | 54    | 80                               | 80    | 47    | 37        | 10         | NSYTBS885     | -                 | NSYTBP885       | -                 |
| 116                              | 74    | 62    | 105                              | 65    | 55    | 45        | 10         | NSYTBS1176    | -                 | NSYTBP1176      | -                 |
|                                  |       | 94    | 105                              | 65    | 85    | 45        | 40         | NSYTBS1179H   | -                 | -               | -                 |
|                                  |       | 62    | 105                              | 105   | 55    | 45        | 10         | NSYTBS11116   | -                 | NSYTBP11116     | -                 |
| 138                              | 93    | 72    | 125                              | 80    | 65    | 45        | 20         | NSYTBS1397    | NSYTBS1397T       | NSYTBP1397      | NSYTBP1397T       |
|                                  |       | 87    | 150                              | 105   | 80    | 60        | 20         | NSYTBS16128   | NSYTBS16128T      | NSYTBP16128     | NSYTBP16128T      |
| 192                              | 121   | 87    | 175                              | 105   | 80    | 60        | 20         | NSYTBS19128   | NSYTBS19128T      | NSYTBP19128     | NSYTBP19128T      |
|                                  |       | 105   | 175                              | 105   | 100   | 60        | 40         | NSYTBS191210H | NSYTBS191210HT    | NSYTBP191210H   | NSYTBP191210HT    |
|                                  |       | 87    | 175                              | 150   | 80    | 60        | 20         | NSYTBS19168   | NSYTBS19168T      | NSYTBP19168     | NSYTBP19168T      |
|                                  |       | 105   | 175                              | 150   | 100   | 60        | 40         | NSYTBS191610H | NSYTBS191610HT    | NSYTBP191610H   | NSYTBP191610HT    |
| 241                              | 194   | 87    | 225                              | 175   | 80    | 60        | 20         | NSYTBS24198   | NSYTBS24198T      | NSYTBP24198     | NSYTBP24198T      |
|                                  |       | 107   | 225                              | 175   | 100   | 80        | 20         | NSYTBS241910  | NSYTBS241910T     | NSYTBP241910    | NSYTBP241910T     |
|                                  |       | 107   | 225                              | 175   | 100   | 60        | 40         | NSYTBS241910H | NSYTBS241910HT    | NSYTBP241910H   | NSYTBP241910HT    |
|                                  |       | 127   | 225                              | 175   | 120   | 80        | 40         | NSYTBS241912H | NSYTBS241912HT    | NSYTBP241912H   | NSYTBP241912HT    |
| 291                              | 241   | 88    | 275                              | 225   | 80    | 60        | 20         | NSYTBS29248   | NSYTBS29248T      | NSYTBP29248     | NSYTBP29248T      |
|                                  |       | 128   | 275                              | 225   | 120   | 100       | 20         | NSYTBS292412  | NSYTBS292412T     | NSYTBP292412    | NSYTBP292412T     |
|                                  |       | 128   | 275                              | 225   | 120   | 60        | 60         | NSYTBS292412H | NSYTBS292412HT    | NSYTBP292412H   | NSYTBP292412HT    |
|                                  |       | 168   | 275                              | 225   | 160   | 100       | 60         | NSYTBS292416H | NSYTBS292416HT    | NSYTBP292416H   | NSYTBP292416HT    |
| 341                              | 291   | 128   | 325                              | 275   | 120   | 100       | 20         | NSYTBS342912  | NSYTBS342912T     | NSYTBP342912    | NSYTBP342912T     |
|                                  |       | 168   | 325                              | 275   | 160   | 100       | 60         | NSYTBS342916H | NSYTBS342916HT    | NSYTBP342916H   | NSYTBP342916HT    |

### Modular boxes



| Dimensions (mm) |       |       | Complete box      |              |                 | Complete boxes in batches |                  |    |
|-----------------|-------|-------|-------------------|--------------|-----------------|---------------------------|------------------|----|
| Height          | Width | Depth | Transparent cover | Opaque cover | Polyester cover | Transparent cover         | Amount per batch |    |
| 180             | 270   | 180   | NSYPLS1827        | NSYPLSC1827  | NSYPLSP1827     | NSYPLS1827L               | 56               |    |
| 270             | 270   | 180   | NSYPLS2727        | NSYPLSC2727  | NSYPLSP2727     | NSYPLS2727L               | 56               |    |
|                 |       | 230   | NSYPLS2727A       | NSYPLSC2727A | NSYPLSP2736     | NSYPLS2727AL              | 56               |    |
|                 | 360   | 180   | NSYPLS2736        | NSYPLSC2736  | -               | NSYPLS2736L               | 56               |    |
|                 |       | 230   | NSYPLS2736A       | NSYPLSC2736A | NSYPLSP2754     | NSYPLS2736AL              | 56               |    |
| 360             | 540   | 180   | NSYPLS2754        | NSYPLSC2754  | -               | NSYPLS2754L               | 28               |    |
|                 |       | 230   | NSYPLS2754A       | NSYPLSC2754A | NSYPLSP3636     | NSYPLS2754AL              | 28               |    |
|                 | 360   | 360   | 180               | NSYPLS3636   | NSYPLSC3636     | NSYPLSP3654               | NSYPLS3636L      | 28 |
|                 |       | 540   | 180               | NSYPLS3654   | NSYPLSC3654     | -                         | NSYPLS3654L      | 28 |
| 540             | 720   | 230   | NSYPLS3654A       | NSYPLSC3654A | -               | NSYPLS3654AL              | 28               |    |
|                 |       | 230   | NSYPLS3672A       | NSYPLSC3672A | NSYPLSP5454     | NSYPLS3672AL              | 27               |    |
|                 | 540   | 540   | 180               | NSYPLS5454   | NSYPLSC5454     | -                         | NSYPLS5454L      | 14 |
|                 |       | 230   | NSYPLS5454A       | NSYPLSC5454A | -               | NSYPLS5454AL              | 14               |    |
|                 |       | 720   | 230               | NSYPLS5472A  | NSYPLSC5472A    | NSYPLS5472AL              | 14               |    |

# Selection guide

## Steel wall-mounting enclosures



| Characteristics |      |      |              |      |                 | Door                |                        |                        | Mounting plate |                  |                 |                |
|-----------------|------|------|--------------|------|-----------------|---------------------|------------------------|------------------------|----------------|------------------|-----------------|----------------|
| Dimensions (mm) |      |      | No. of doors | IP   | Weight (kg) (2) | Plain               |                        | Glazed                 | Plain          | Silkscreened (3) | Microperforated |                |
| H               | W    | D    |              |      |                 | With mounting plate | Without mounting plate | Without mounting plate |                |                  |                 |                |
| 300             | 200  | 150  | 1            | 66   | 3.02            | NSYS3D3215P         | NSYS3D3215             | -                      | NSYMM32        | -                | NSYMF32         |                |
|                 | 250  | 150  | 1            | 66   | 3.48            | NSYS3D32515P        | NSYS3D32515            | NSYS3D32515T           | NSYMM3025      | -                | -               |                |
|                 | 300  | 150  | 1            | 66   | 3.90            | NSYS3D3315P         | NSYS3D3315             | NSYS3D3315T            | NSYMM33        | -                | NSYMF33         |                |
|                 |      | 200  | 1            | 66   | 4.50            | NSYS3D3320P         | NSYS3D3320             | NSYS3D3320T            | NSYMM33        | -                | NSYMF33         |                |
| 400             | 150  | 1    | 66           | 4.82 | NSYS3D3415P     | NSYS3D3415          | NSYS3D3415T            | NSYMM43                | NSYMS43        | NSYMF43          |                 |                |
|                 |      | 200  | 1            | 66   | 5.60            | NSYS3D3420P         | NSYS3D3420             | NSYS3D3420T            | NSYMM43        | NSYMS43          | NSYMF43         |                |
|                 | 300  | 150  | 1            | 66   | 4.90            | NSYS3D4315P         | NSYS3D4315             | NSYS3D4315T            | NSYMM43        | NSYMS43          | NSYMF43         |                |
|                 |      | 200  | 1            | 66   | 5.00            | NSYS3D4320P         | NSYS3D4320             | NSYS3D4320T            | NSYMM43        | NSYMS43          | NSYMF43         |                |
| 400             | 200  | 1    | 66           | 6.50 | NSYS3D4420P     | NSYS3D4420          | NSYS3D4420T            | NSYMM44                | NSYMS44        | NSYMF44          |                 |                |
|                 |      | 250  | 1            | 66   | 10.50           | NSYS3D4620P         | NSYS3D4620             | NSYS3D4620T            | NSYMM64        | NSYMS64          | NSYMF64         |                |
|                 | 600  | 250  | 1            | 66   | 12.00           | NSYS3D4625P         | NSYS3D4625             | NSYS3D4625T            | NSYMM64        | NSYMS64          | NSYMF64         |                |
|                 |      | 300  | 1            | 66   | 7.50            | NSYS3D5320P         | NSYS3D5320             | NSYS3D5320T            | NSYMM53        | NSYMS53          | NSYMF53         |                |
| 500             | 400  | 200  | 1            | 66   | 9.30            | NSYS3D5420P         | NSYS3D5420             | NSYS3D5420T            | NSYMM54        | NSYMS54          | NSYMF54         |                |
|                 |      | 250  | 1            | 66   | 10.20           | NSYS3D5425P         | NSYS3D5425             | NSYS3D5425T            | NSYMM54        | NSYMS54          | NSYMF54         |                |
|                 | 500  | 200  | 1            | 66   | 11.18           | NSYS3D5520P         | NSYS3D5520             | NSYS3D5520T            | NSYMM55        | NSYMS55          | NSYMF55         |                |
|                 |      | 250  | 1            | 66   | 12.06           | NSYS3D5525P         | NSYS3D5525             | NSYS3D5525T            | NSYMM55        | NSYMS55          | NSYMF55         |                |
| 600             | 400  | 200  | 1            | 66   | 11.00           | NSYS3D6420P         | NSYS3D6420             | NSYS3D6420T            | NSYMM64        | NSYMS64          | NSYMF64         |                |
|                 |      | 250  | 1            | 66   | 12.00           | NSYS3D6425P         | NSYS3D6425             | NSYS3D6425T            | NSYMM64        | NSYMS64          | NSYMF64         |                |
|                 | 500  | 250  | 1            | 66   | 16.20           | NSYS3D6525P         | NSYS3D6525             | NSYS3D6525T            | NSYMM65        | -                | NSYMF65         |                |
|                 |      | 600  | 200          | 1    | 66              | 14.00               | NSYS3D6620P            | NSYS3D6620             | NSYS3D6620T    | NSYMM66          | NSYMS66         | NSYMF66        |
|                 | 600  | 250  | 1            | 66   | 15.00           | NSYS3D6625P         | NSYS3D6625             | NSYS3D6625T            | NSYMM66        | NSYMS66          | NSYMF66         |                |
|                 |      |      | 300          | 1    | 66              | 17.00               | NSYS3D6630P            | NSYS3D6630             | NSYS3D6630T    | NSYMM66          | NSYMS66         | NSYMF66        |
|                 |      | 400  | 1            | 66   | 19.00           | NSYS3D6640P         | NSYS3D6640             | NSYS3D6640T            | NSYMM66        | NSYMS66          | NSYMF66         |                |
|                 |      |      | 300          | 1    | 66              | 25.50               | NSYS3D6830P            | NSYS3D6830             | NSYS3D6830T    | NSYMM86          | NSYMS86         | NSYMF86        |
| 700             | 500  | 250  | 1            | 66   | 15.00           | NSYS3D7525P         | NSYS3D7525             | NSYS3D7525T            | NSYMM75        | NSYMS75          | NSYMF75         |                |
| 800             | 600  | 200  | 1            | 66   | 21.00           | NSYS3D8620P         | NSYS3D8620             | NSYS3D8620T            | NSYMM86        | NSYMS86          | NSYMF86         |                |
|                 |      | 250  | 1            | 66   | 23.00           | NSYS3D8625P         | NSYS3D8625             | NSYS3D8625T            | NSYMM86        | NSYMS86          | NSYMF86         |                |
|                 | 800  | 300  | 1            | 66   | 25.00           | NSYS3D8630P         | NSYS3D8630             | NSYS3D8630T            | NSYMM86        | NSYMS86          | NSYMF86         |                |
|                 |      |      | 400          | 1    | 66              | 29.00               | NSYS3D8640P            | NSYS3D8640             | NSYS3D8640T    | NSYMM86          | NSYMS86         | NSYMF86        |
|                 |      | 250  | 1            | 66   | 30.00           | NSYS3D8825P         | NSYS3D8825             | NSYS3D8825T            | NSYMM88        | -                | NSYMF88         |                |
|                 |      |      | 300          | 1    | 66              | 32.00               | NSYS3D8830P            | NSYS3D8830             | NSYS3D8830T    | NSYMM88          | -               | NSYMF88        |
|                 | 1000 | 300  | 1            | 66   | 38.00           | NSYS3D81030P        | NSYS3D81030            | -                      | NSYMM108       | -                | NSYMF108        |                |
|                 |      |      | 300          | 2    | 55              | 43.50               | NSYS3D81030DP          | NSYS3D81030DP          | -              | NSYMM108         | -               | NSYMF108       |
|                 |      | 1200 | 300          | 2    | 55              | 46.00               | NSYS3D81230DP          | NSYS3D81230DP          | -              | NSYMM128         | -               | NSYMF128       |
|                 |      |      |              | 600  | 250             | 1                   | 66                     | 28.00                  | NSYS3D10625P   | NSYS3D10625      | NSYS3D10625T    | NSYMM106       |
|                 | 1000 | 600  | 300          | 1    | 66              | 30.60               | NSYS3D10630P           | NSYS3D10630            | NSYS3D10630T   | NSYMM106         | -               | NSYMF106       |
|                 |      |      | 400          | 1    | 66              | 33.00               | NSYS3D10640P           | NSYS3D10640            | NSYS3D10640T   | NSYMM106         | -               | NSYMF106       |
| 800             |      | 250  | 1            | 66   | 35.00           | NSYS3D10825P        | NSYS3D10825            | NSYS3D10825T           | NSYMM108       | -                | NSYMF108        |                |
|                 |      |      | 300          | 1    | 66              | 38.00               | NSYS3D10830P           | NSYS3D10830            | NSYS3D10830T   | NSYMM108         | -               | NSYMF108       |
|                 |      | 400  | 1            | 66   | 42.00           | NSYS3D10840P        | NSYS3D10840            | NSYS3D10840T           | NSYMM108       | -                | NSYMF108        |                |
|                 |      |      | 300          | 1    | 66              | 46.00               | NSYS3D101030P          | NSYS3D101030           | NSYS3D101030T  | NSYMM1010        | -               | NSYMF1010      |
| 1200            |      | 300  | 2            | 55   | 46.00           | NSYS3D101030DP      | NSYS3D101030DP         | NSYS3D101030DT         | NSYMM1010      | -                | NSYMF1010       |                |
|                 |      |      | 400          | 2    | 55              | 53.00               | NSYS3D101230DP         | NSYS3D101230DP         | -              | NSYMM1210        | -               | NSYMF1210      |
|                 |      | 400  | 2            | 55   | 60.00           | NSYS3D101240DP      | NSYS3D101240DP         | -                      | NSYMM1210      | -                | NSYMF1210       |                |
|                 |      |      | 600          | 300  | 1               | 66                  | 37.00                  | NSYS3D12630P           | NSYS3D12630    | NSYS3D12630T     | NSYMM126        | -              |
| 1200            |      | 400  | 1            | 66   | 42.00           | NSYS3D12640P        | NSYS3D12640            | NSYS3D12640T           | NSYMM126       | -                | NSYMF126        |                |
|                 |      |      | 300          | 1    | 66              | 45.00               | NSYS3D12830P           | NSYS3D12830            | NSYS3D12830T   | NSYMM128         | -               | NSYMF128       |
|                 | 800  | 400  | 1            | 66   | 49.00           | NSYS3D12840P        | NSYS3D12840            | NSYS3D12840T           | NSYMM128       | -                | NSYMF128        |                |
|                 |      |      | 300          | 1    | 66              | 53.00               | NSYS3D121030P          | NSYS3D121030           | NSYS3D121030T  | NSYMM1210        | -               | NSYMF1210      |
|                 |      | 300  | 2            | 55   | 54.00           | NSYS3D121030DP      | NSYS3D121030DP         | NSYS3D121030DT         | NSYMM1210      | -                | NSYMF1210       |                |
|                 |      |      | 400          | 2    | 55              | 61.00               | NSYS3D121040DP         | NSYS3D121040DP         | -              | NSYMM1210        | -               | NSYMF1210      |
|                 | 1200 | 300  | 2            | 55   | 64.00           | NSYS3D121230DP      | NSYS3D121230DP         | -                      | NSYMM1212      | -                | 2 x NSYMF126 +  |                |
|                 |      |      | 400          | 2    | 55              | 90.00               | NSYS3D121240DP         | NSYS3D121240DP         | -              | NSYMM1212        | -               | 2 x NSYMF126 + |
| 1400            | 1000 | 300  | 2            | 55   | 80.00           | NSYS3D141030DP      | NSYS3D141030DP         | -                      | NSYMM1410      | -                | -               |                |

(1) For other dimensions, see our application offer.  
 (2) Enclosure without mounting plate.  
 (3) In inverted use, the marking is inverted.

**Wall-fixing lugs**

Steel: **NSYAEFPFSC**  
 Stainless steel: **NSYAEFPFXSC**  
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**Reinforcement for heavy loads**

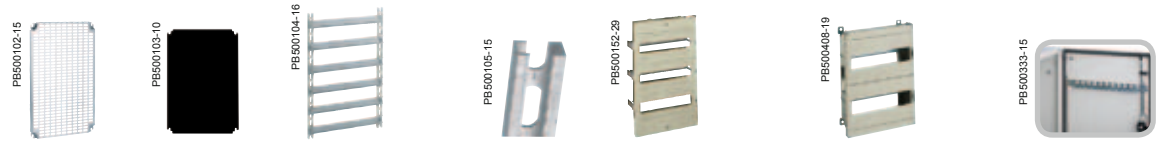
**NSYAEFAHLBSC**  
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**Locking accessories**

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# Selection guide

## Steel wall-mounting enclosures



| Characteristics |                |      | Mounting plate |               |                  |               | Modular mounting plate       |                    |           |                |                  |           |
|-----------------|----------------|------|----------------|---------------|------------------|---------------|------------------------------|--------------------|-----------|----------------|------------------|-----------|
| Dimensions (mm) |                |      | Telequick      | Bakelite      | DIN rail chassis | Type          | Aluminium vertical rails (4) | Modular chassis    |           | No. of modules | Door cross-rails |           |
| H               | W              | D    |                |               |                  |               |                              | DLA Insulated      | DLM Steel |                |                  |           |
| 300             | 200            | 150  | NSYMR32        | NSYMB32       | -                | -             | NSYMDVR3                     | -                  | -         | -              | -                |           |
|                 |                | 250  | NSYMR3025      | NSYMB3025     | -                | -             | NSYMDVR3                     | -                  | -         | -              | -                |           |
|                 | 300            | 150  | NSYMR33        | NSYMB33       | NSYMD33          | B             | NSYMDVR3                     | -                  | -         | -              | -                |           |
|                 |                | 200  | NSYMR33        | NSYMB33       | NSYMD33          | B             | NSYMDVR3                     | -                  | -         | -              | -                |           |
| 400             | 400            | 150  | NSYMR34        | NSYMB43       | -                | -             | NSYMDVR3                     | -                  | -         | -              | -                |           |
|                 |                | 200  | NSYMR34        | NSYMB43       | -                | -             | NSYMDVR3                     | -                  | -         | -              | -                |           |
|                 | 300            | 150  | NSYMR43        | NSYMB43       | NSYMD43          | B             | NSYMDVR4                     | -                  | NSYDLM24  | 24             | -                |           |
|                 |                | 200  | NSYMR43        | NSYMB43       | NSYMD43          | B             | NSYMDVR4                     | NSYDLA24           | NSYDLM24  | 24             | -                |           |
| 400             | 400            | 200  | NSYMR44        | -             | -                | -             | NSYMDVR4                     | -                  | -         | -              | NSYTFPCR4        |           |
|                 |                | 200  | NSYMR46        | NSYMB64       | -                | -             | NSYMDVR4                     | -                  | -         | -              | NSYTFPCR6        |           |
|                 | 600            | 250  | NSYMR46        | NSYMB64       | -                | -             | NSYMDVR4                     | -                  | -         | -              | NSYTFPCR6        |           |
|                 |                | 200  | NSYMR53        | -             | -                | -             | NSYMDVR5                     | -                  | -         | -              | -                |           |
| 500             | 400            | 200  | NSYMR54        | NSYMB54       | NSYMD54          | B             | NSYMDVR5                     | NSYDLA48           | NSYDLM48  | 48             | NSYTFPCR4        |           |
|                 |                | 250  | NSYMR54        | NSYMB54       | NSYMD54          | B             | NSYMDVR5                     | -                  | NSYDLM48  | 48             | NSYTFPCR4        |           |
|                 | 500            | 200  | NSYMR55        | -             | -                | -             | NSYMDVR5                     | -                  | -         | -              | NSYTFPCR5        |           |
|                 |                | 250  | NSYMR55        | -             | -                | -             | NSYMDVR5                     | -                  | -         | -              | NSYTFPCR5        |           |
| 600             | 400            | 200  | NSYMR64        | NSYMB64       | NSYMD64          | B             | NSYMDVR6                     | NSYDLA48P          | NSYDLM48P | 48             | NSYTFPCR4        |           |
|                 |                | 250  | NSYMR64        | NSYMB64       | NSYMD64          | B             | NSYMDVR6                     | NSYDLA48P          | NSYDLM48P | 48             | NSYTFPCR4        |           |
|                 | 500            | 250  | NSYMR65        | NSYMB65       | -                | -             | NSYMDVR6                     | -                  | -         | -              | -                |           |
|                 |                | 200  | NSYMR66        | -             | NSYMD66          | A             | NSYMDVR6                     | -                  | NSYDLM84P | 84             | NSYTFPCR6        |           |
|                 | 600            | 250  | 250            | NSYMR66       | -                | NSYMD66       | A                            | NSYMDVR6           | -         | NSYDLM84P      | 84               | NSYTFPCR6 |
|                 |                |      | 300            | NSYMR66       | -                | NSYMD66       | A                            | NSYMDVR6           | -         | NSYDLM84P      | 84               | NSYTFPCR6 |
|                 |                | 400  | 250            | NSYMR66       | -                | NSYMD66       | A                            | NSYMDVR6           | -         | NSYDLM84P      | 84               | NSYTFPCR6 |
|                 |                |      | 300            | NSYMR68       | NSYMB86          | NSYMD86       | A                            | NSYMDVR6           | -         | -              | -                | NSYTFPCR8 |
| 700             | 500            | 250  | NSYMR75        | NSYMB75       | NSYMD75          | B             | NSYMDVR7                     | NSYDLA66           | NSYDLM66  | 66             | NSYTFPCR5        |           |
|                 |                | 200  | NSYMR86        | NSYMB86       | NSYMD86          | A             | NSYMDVR8                     | NSYDLA84/NSYDLA112 | NSYDLM84  | 84*            | NSYTFPCR6        |           |
|                 | 600            | 250  | NSYMR86        | NSYMB86       | NSYMD86          | A             | NSYMDVR8                     | NSYDLA84/NSYDLA112 | NSYDLM112 | 112*           | NSYTFPCR6        |           |
|                 |                | 300  | NSYMR86        | NSYMB86       | NSYMD86          | A             | NSYMDVR8                     | NSYDLA84/NSYDLA112 | NSYDLM112 | 112*           | NSYTFPCR6        |           |
| 800             | 400            | 400  | NSYMR86        | NSYMB86       | NSYMD86          | A             | NSYMDVR8                     | NSYDLA84/NSYDLA112 | NSYDLM112 | 112*           | NSYTFPCR6        |           |
|                 |                | 250  | NSYMR88        | -             | -                | -             | NSYMDVR8                     | -                  | -         | -              | NSYTFPCR8        |           |
|                 | 300            | 300  | NSYMR88        | -             | -                | -             | NSYMDVR8                     | -                  | -         | -              | NSYTFPCR8        |           |
|                 |                | 300  | NSYMR810       | NSYMB108      | -                | -             | NSYMDVR8                     | -                  | -         | -              | NSYTFPCR10       |           |
| 1000            | 300            | 300  | NSYMR810       | NSYMB108      | -                | -             | NSYMDVR8                     | -                  | -         | -              | -                |           |
|                 |                | 1200 | 300            | 2 x NSYMR86 + | 2 x NSYMB86 +    | 2 x NSYMD86 + | A                            | NSYMDVR8           | -         | -              | -                |           |
|                 | 600            | 250  | NSYMR106       | NSYMB106      | -                | -             | NSYMDVR10                    | -                  | NSYDLM168 | 168**          | NSYTFPCR6        |           |
|                 |                | 300  | NSYMR106       | NSYMB106      | -                | -             | NSYMDVR10                    | -                  | NSYDLM168 | 168**          | NSYTFPCR6        |           |
| 800             | 400            | 400  | NSYMR106       | NSYMB106      | -                | -             | NSYMDVR10                    | -                  | NSYDLM168 | 168**          | NSYTFPCR6        |           |
|                 |                | 250  | NSYMR108       | NSYMB108      | NSYMD108         | A             | NSYMDVR10                    | NSYDLA234          | NSYDLM240 | 240            | NSYTFPCR8        |           |
|                 | 300            | 300  | NSYMR108       | NSYMB108      | NSYMD108         | A             | NSYMDVR10                    | NSYDLA234          | NSYDLM240 | 240            | NSYTFPCR8        |           |
|                 |                | 400  | NSYMR108       | NSYMB108      | NSYMD108         | A             | NSYMDVR10                    | NSYDLA234          | NSYDLM240 | 240            | NSYTFPCR8        |           |
| 1000            | 300            | 300  | NSYMR1010 (5)  | -             | -                | -             | NSYMDVR10                    | -                  | -         | -              | NSYTFPCR10       |           |
|                 |                | 300  | NSYMR1010 (5)  | -             | -                | -             | NSYMDVR10                    | -                  | -         | -              | -                |           |
|                 | 1200           | 300  | NSYMR1012 (5)  | NSYMB1210     | -                | -             | NSYMDVR10                    | -                  | -         | -              | -                |           |
|                 |                | 400  | NSYMR1012 (5)  | NSYMB1210     | -                | -             | NSYMDVR10                    | -                  | -         | -              | -                |           |
| 1200            | 600            | 300  | -              | -             | -                | -             | NSYMDVR12                    | -                  | -         | -              | -                |           |
|                 |                | 400  | -              | -             | -                | -             | NSYMDVR12                    | -                  | -         | -              | -                |           |
|                 | 800            | 300  | NSYMR128       | -             | NSYMD128         | A             | NSYMDVR12                    | -                  | -         | -              | NSYTFPCR8        |           |
|                 |                | 400  | NSYMR128       | -             | NSYMD128         | A             | NSYMDVR12                    | -                  | -         | -              | NSYTFPCR8        |           |
|                 | 1000           | 300  | NSYMR1210 (5)  | NSYMB1210     | -                | -             | NSYMDVR12                    | -                  | -         | -              | NSYTFPCR10       |           |
|                 |                | 300  | NSYMR1210 (5)  | NSYMB1210     | -                | -             | NSYMDVR12                    | -                  | -         | -              | -                |           |
|                 | 1200           | 400  | NSYMR1210 (5)  | NSYMB1210     | -                | -             | NSYMDVR12                    | -                  | -         | -              | -                |           |
|                 |                | 300  | 2 x NSYMR126 + | -             | -                | -             | NSYMDVR12                    | -                  | -         | -              | -                |           |
| 400             | 2 x NSYMR126 + | -    | -              | -             | NSYMDVR12        | -             | -                            | -                  | -         |                |                  |           |
| 1400            | 1000           | 300  | NSYMR1410 (5)  | -             | -                | -             | -                            | -                  | -         | -              |                  |           |

+ Order **NSYCRNGSDR** for double mounting of the mounting plates.

(4) Order nuts ref. **NSYAMCSF**. Steel siderail ref. **NSYMDVR12**.

(5) When width  $\geq 1000$  ref. **NSYEMR** is mandatory (see on page 74).

\* Possible assembling to ref. **NSYDLM84P** or **NSYDLM112**.

\*\* Possible assembling to ref. **NSYDLM168** or **NSYDLM240**.

**Door accessories**

Pages 295 to 297

**Clip-on nuts**

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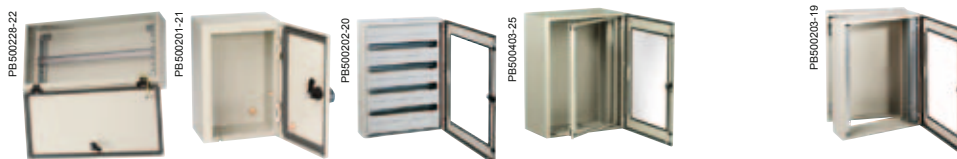
**Self-tapping screw**

NSYS13M5HS

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# Selection guide

for applicative and customised solutions  
wall-mounting enclosures



| Characteristics |     |     |              |    | Basic enclosures             |                                |                                              |                                          |                                    |                       |          |  |
|-----------------|-----|-----|--------------|----|------------------------------|--------------------------------|----------------------------------------------|------------------------------------------|------------------------------------|-----------------------|----------|--|
|                 |     |     |              |    | Empty application enclosures |                                |                                              |                                          | 19" enclosure with glazed door (2) |                       |          |  |
| Dimensions (mm) |     |     | No. of doors | IP | S3DB terminal enclosures (1) | S3DBFL terminal enclosures (1) | S3DM modular enclosures with glazed door (1) | VDM steel enclosures with 19" swing rack | No. of U                           | 1-body 19" fixed rack | No. of U |  |
| H               | W   | D   |              |    | Page 329                     | Page 329                       | Page 327                                     | Page 364                                 |                                    | Page 364              |          |  |
| 200             | 300 | 150 | 1            | 66 | -                            | -                              | -                                            | -                                        | -                                  | -                     | -        |  |
| 250             | 300 | 150 | 1            | 66 | <b>NSYS3DB25315</b>          | -                              | -                                            | -                                        | -                                  | -                     | -        |  |
|                 |     | 400 | 1            | 66 | <b>NSYS3DB25415</b>          | -                              | -                                            | -                                        | -                                  | -                     | -        |  |
|                 |     | 500 | 1            | 66 | <b>NSYS3DB25515</b>          | -                              | -                                            | -                                        | -                                  | -                     | -        |  |
| 300             | 300 | 150 | 1            | 66 | <b>NSYS3DB3315</b>           | -                              | -                                            | -                                        | -                                  | -                     | -        |  |
|                 |     | 170 | 1            | 66 | -                            | <b>NSYS3DBFL3317</b>           | -                                            | -                                        | -                                  | -                     | -        |  |
|                 | 400 | 150 | 1            | 66 | <b>NSYS3DB3415</b>           | -                              | -                                            | -                                        | -                                  | -                     | -        |  |
|                 |     | 170 | 1            | 66 | -                            | <b>NSYS3DBFL3417</b>           | -                                            | -                                        | -                                  | -                     | -        |  |
|                 | 500 | 150 | 1            | 66 | <b>NSYS3DB3515</b>           | -                              | -                                            | -                                        | -                                  | -                     | -        |  |
|                 |     | 200 | 1            | 66 | -                            | -                              | -                                            | -                                        | -                                  | -                     | -        |  |
| 600             |     | 150 | 1            | 66 | <b>NSYS3DB3615</b>           | -                              | -                                            | -                                        | -                                  | -                     |          |  |
| 400             | 300 | 150 | 1            | 66 | <b>NSYS3DB4315</b>           | -                              | <b>NSYS3DM4315T</b>                          | -                                        | -                                  | -                     | -        |  |
|                 |     | 170 | 1            | 66 | -                            | <b>NSYS3DBFL4317</b>           | -                                            | -                                        | -                                  | -                     | -        |  |
|                 |     | 600 | 400          | 1  | 66                           | -                              | -                                            | <b>NSYVDM7U4P</b>                        | 7                                  | <b>NSYVDM8U4F</b>     | 8        |  |
|                 | 800 | 150 | 1            | 66 | -                            | -                              | -                                            | -                                        | -                                  | -                     | -        |  |
|                 |     | 400 | 1            | 66 | <b>NSYS3DB4815</b>           | -                              | -                                            | -                                        | -                                  | -                     | -        |  |
|                 |     | 500 | 1            | 66 | <b>NSYS3DB5415</b>           | -                              | <b>NSYS3DM5415T</b>                          | -                                        | -                                  | -                     | -        |  |
| 500             | 400 | 150 | 1            | 66 | -                            | -                              | -                                            | <b>NSYVDM9U4P</b>                        | 9                                  | <b>NSYVDM10U4F</b>    | 10       |  |
|                 |     | 600 | 400          | 1  | 66                           | -                              | -                                            | -                                        | -                                  | -                     | -        |  |
|                 |     | 500 | 1            | 66 | -                            | -                              | -                                            | -                                        | -                                  | -                     | -        |  |
| 600             | 400 | 150 | 1            | 66 | <b>NSYS3DB6415</b>           | -                              | <b>NSYS3DM6415T</b>                          | -                                        | -                                  | -                     |          |  |
|                 | 600 | 150 | 1            | 66 | -                            | -                              | <b>NSYS3DM6615T</b>                          | -                                        | -                                  | -                     |          |  |
| 700             | 500 | 150 | 1            | 66 | -                            | -                              | -                                            | -                                        | -                                  | -                     |          |  |
|                 |     | 150 | 1            | 66 | -                            | -                              | <b>NSYS3DM7515T</b>                          | -                                        | -                                  | -                     |          |  |
|                 | 600 | 400 | 1            | 66 | -                            | -                              | -                                            | <b>NSYVDM13U4P</b>                       | 13                                 | <b>NSYVDM14U4F</b>    | 14       |  |
| 800             | 600 | 150 | 1            | 66 | -                            | -                              | -                                            | -                                        | -                                  | -                     |          |  |
|                 |     | 150 | 1            | 66 | -                            | -                              | <b>NSYS3DM8615T</b>                          | -                                        | -                                  | -                     |          |  |
|                 |     | 400 | 1            | 66 | -                            | -                              | -                                            | <b>NSYVDM16U4P</b>                       | 16                                 | <b>NSYVDM17U4F</b>    | 17       |  |
|                 |     | 500 | 1            | 66 | -                            | -                              | -                                            | -                                        | -                                  | -                     |          |  |
| 1000            | 600 | 150 | 1            | 66 | -                            | -                              | <b>NSYS3DM10615T</b>                         | -                                        | -                                  | -                     |          |  |
|                 | 800 | 150 | 1            | 66 | -                            | -                              | <b>NSYS3DM10815T</b>                         | -                                        | -                                  | -                     |          |  |

(1) Empty enclosure.  
(2) Plain door, please consult us.

**Wall-fixing brackets**

Steel: **NSYAEFPFSC**  
Stainless steel: **NSYAEFPFXSC**  
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**Reinforcement for heavy loads**

**NSYAEFAHLBSC**  
Page 60

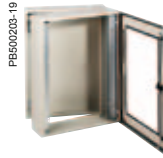
**Cable gland**

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# Selection guide

for applicative and customised solutions  
wall-mounting enclosures



| Characteristics    |     |     | Basic enclosures<br>19" enclosure with<br>glazed door (2) |             | Accessories<br>Electricity<br>distribution |             | Automatism                                   |                         |                                  |                            |                                |                             |
|--------------------|-----|-----|-----------------------------------------------------------|-------------|--------------------------------------------|-------------|----------------------------------------------|-------------------------|----------------------------------|----------------------------|--------------------------------|-----------------------------|
| Dimensions<br>(mm) |     |     | No. of<br>doors                                           | IP          | 2 parts with 19"<br>fixed rack             | No.<br>of U | Modular<br>mounting<br>chassis<br>(metallic) | No. of<br>modules       | DIN rail support<br>and DIN rail | Plain<br>mounting<br>plate | Telequick<br>mounting<br>plate | Aluminium<br>vertical rails |
| H                  | W   | D   |                                                           |             | Page 364                                   |             | Page 248                                     |                         |                                  | Page 214                   | Page 214                       | Page 219                    |
| 200                | 300 | 150 | 1                                                         | 66          | -                                          | -           | -                                            | -                       | NSYAMRD2030                      | NSYMM32                    | -                              | -                           |
| 250                | 300 | 150 | 1                                                         | 66          | -                                          | -           | -                                            | -                       | NSYAMRD2530                      | NSYMM3025                  | -                              | -                           |
|                    | 400 | 150 | 1                                                         | 66          | -                                          | -           | -                                            | -                       | NSYAMRD2540                      | NSYMM2540                  | -                              | -                           |
|                    | 500 | 150 | 1                                                         | 66          | -                                          | -           | -                                            | -                       | NSYAMRD2550                      | NSYMM2550                  | -                              | -                           |
| 300                | 300 | 150 | 1                                                         | 66          | -                                          | -           | -                                            | -                       | NSYAMRD3030                      | NSYMM33                    | NSYMR33                        | NSYMDVR3                    |
|                    |     | 170 | 1                                                         | 66          | -                                          | -           | -                                            | -                       | NSYAMRD3030                      | NSYMM33                    | NSYMR33                        | -                           |
|                    | 400 | 150 | 1                                                         | 66          | -                                          | -           | -                                            | -                       | NSYAMRD3040                      | NSYMM43                    | NSYMR34                        | NSYMDVR3                    |
|                    |     | 170 | 1                                                         | 66          | -                                          | -           | -                                            | -                       | NSYAMRD3040                      | NSYMM43                    | NSYMR34                        | -                           |
|                    | 500 | 150 | 1                                                         | 66          | -                                          | -           | -                                            | -                       | NSYAMRD3050                      | NSYMM53                    | -                              | NSYMDVR3                    |
|                    |     | 200 | 1                                                         | 66          | -                                          | -           | -                                            | -                       | NSYAMRD3050                      | NSYMM53                    | -                              | NSYMDVR3                    |
| 600                | 150 | 1   | 66                                                        | -           | -                                          | -           | -                                            | -                       | NSYAMRD36                        | NSYMM36                    | -                              | NSYMDVR3                    |
|                    |     | 400 | 1                                                         | 66          | NSYVD2M5U4                                 | 5           | -                                            | -                       | NSYAMRD36                        | NSYMM36                    | -                              | NSYMDVR3                    |
|                    | 500 | 1   | 66                                                        | NSYVD2M5U5  | 5                                          | -           | -                                            | NSYAMRD36               | NSYMM36                          | -                          | NSYMDVR3                       |                             |
| 400                | 300 | 150 | 1                                                         | 66          | -                                          | -           | NSYDLM24                                     | 24                      | NSYAMRD43                        | NSYMM43                    | NSYMR43                        | NSYMDVR4                    |
|                    |     | 170 | 1                                                         | 66          | -                                          | -           | -                                            | -                       | NSYAMRD43                        | NSYMM43                    | NSYMR43                        | -                           |
|                    | 600 | 400 | 1                                                         | 66          | NSYVD2M8U4                                 | 8           | -                                            | -                       | -                                | NSYMM64                    | NSYMR46                        | NSYMDVR4                    |
|                    |     | 500 | 1                                                         | 66          | NSYVD2M8U5                                 | 8           | -                                            | -                       | NSYAMRD48                        | NSYMM64                    | NSYMR46                        | NSYMDVR4                    |
| 800                | 150 | 1   | 66                                                        | -           | -                                          | -           | -                                            | NSYAMRD54               | NSYMM48                          | -                          | NSYMDVR4                       |                             |
| 500                | 400 | 150 | 1                                                         | 66          | -                                          | -           | NSYDLM48                                     | 48                      | -                                | NSYMM54                    | NSYMR54                        | NSYMDVR5                    |
|                    |     | 600 | 1                                                         | 66          | NSYVD2M10U4                                | 10          | -                                            | -                       | -                                | NSYMM65                    | -                              | NSYMDVR5                    |
|                    | 500 | 1   | 66                                                        | NSYVD2M10U5 | 10                                         | -           | -                                            | -                       | NSYMM65                          | -                          | NSYMDVR5                       |                             |
| 600                | 400 | 150 | 1                                                         | 66          | -                                          | -           | NSYDLM48P                                    | 48                      | NSYAMRD64                        | NSYMM64                    | NSYMR64                        | NSYMDVR6                    |
|                    | 600 | 150 | 1                                                         | 66          | -                                          | -           | NSYDLM84P                                    | 84                      | -                                | NSYMM66                    | NSYMR66                        | NSYMDVR6                    |
| 700                | 500 | 150 | 1                                                         | 66          | -                                          | -           | NSYDLM66                                     | 66                      | -                                | NSYMM75                    | NSYMR75                        | NSYMDVR7                    |
|                    |     | 150 | 1                                                         | 66          | -                                          | -           | NSYDLM88                                     | 88                      | -                                | NSYMM75                    | NSYMR75                        | NSYMDVR7                    |
|                    | 600 | 400 | 1                                                         | 66          | NSYVD2M14U4                                | 14          | -                                            | -                       | -                                | -                          | -                              | NSYMDVR7                    |
|                    |     | 500 | 1                                                         | 66          | NSYVD2M14U5                                | 14          | -                                            | -                       | -                                | -                          | -                              | NSYMDVR7                    |
| 800                | 600 | 150 | 1                                                         | 66          | -                                          | -           | NSYDLM84/<br>NSYDLM112                       | -                       | -                                | NSYMM86                    | NSYMR86                        | NSYMDVR8                    |
|                    |     | 150 | 1                                                         | 66          | -                                          | -           | NSYDLM84/<br>NSYDLM112                       | -                       | -                                | NSYMM86                    | NSYMR86                        | NSYMDVR8                    |
|                    | 400 | 1   | 66                                                        | NSYVD2M17U4 | 17                                         | -           | -                                            | -                       | NSYMM86                          | NSYMR86                    | NSYMDVR8                       |                             |
|                    |     | 500 | 1                                                         | 66          | NSYVD2M17U5                                | 17          | -                                            | -                       | -                                | NSYMM86                    | NSYMR86                        | NSYMDVR8                    |
| 1000               | 600 | 150 | 1                                                         | 66          | -                                          | -           | NSYDLM168/<br>NSYDLM240                      | -                       | -                                | NSYMM106                   | NSYMR106                       | NSYMDVR10                   |
|                    |     | 800 | 150                                                       | 1           | 66                                         | -           | -                                            | NSYDLM168/<br>NSYDLM240 | -                                | -                          | NSYMM108                       | NSYMR108                    |

**Other cable entries** Page 266

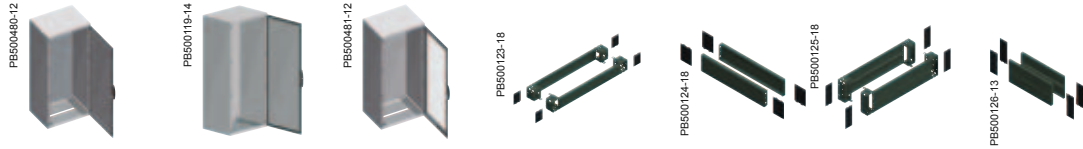
**Clip-on nuts** Page 246

**Self-tapping screw** NSYS13M5HS  
Page 247

# Selection guide

## Steel floor-standing enclosures

**SM**



| Characteristics |       |       | Door           |                     |                        | Plinth                 |                                    |                   |                                    |                   |            |
|-----------------|-------|-------|----------------|---------------------|------------------------|------------------------|------------------------------------|-------------------|------------------------------------|-------------------|------------|
| Dimensions (mm) |       |       | No. of doors   | Plain               |                        | Transparent            | Height 100 mm                      |                   | Height 200 mm                      |                   |            |
| H (A)           | W (B) | D (C) |                | With mounting plate | Without mounting plate | Without mounting plate | Front kit (corners + front panels) | Side panels, 2 u. | Front kit (corners + front panels) | Side panels, 4 u. |            |
| 1200            | 800   | 300   | 1              | NSYSM12830P         | NSYSM12830             | -                      | NSYSPF8100                         | NSYSPS3100        | NSYSPF8200                         | NSYSPS3200        |            |
|                 | 1000  | 300   | 2              | NSYSM1210302DP      | NSYSM1210302D          | -                      | NSYSPF10100                        | NSYSPS3100        | NSYSPF10200                        | NSYSPS3200        |            |
|                 | 1200  | 400   | 2              | NSYSM1212402DP      | NSYSM1212402D          | -                      | NSYSPF12100                        | NSYSPS4100        | NSYSPF12200                        | NSYSPS4200        |            |
| 1400            | 600   | 300   | 1              | NSYSM14630P         | NSYSM14630             | -                      | NSYSPF6100                         | NSYSPS3100        | NSYSPF6200                         | NSYSPS3200        |            |
|                 |       | 400   | 1              | NSYSM14640P         | NSYSM14640             | -                      | NSYSPF6100                         | NSYSPS4100        | NSYSPF6200                         | NSYSPS4200        |            |
|                 | 800   | 300   | 1              | NSYSM14830P         | NSYSM14830             | -                      | NSYSPF8100                         | NSYSPS3100        | NSYSPF8200                         | NSYSPS3200        |            |
|                 |       | 400   | 1              | NSYSM14840P         | NSYSM14840             | NSYSM14840T            | NSYSPF8100                         | NSYSPS4100        | NSYSPF8200                         | NSYSPS4200        |            |
|                 |       | 1000  | 400            | 2                   | NSYSM1410402DP         | NSYSM1410402D          | -                                  | NSYSPF10100       | NSYSPS4100                         | NSYSPF10200       | NSYSPS4200 |
| 1200            | 400   | 2     | NSYSM1412402DP | NSYSM1412402D       | -                      | NSYSPF12100            | NSYSPS4100                         | NSYSPF12200       | NSYSPS4200                         |                   |            |
| 1600            | 600   | 300   | 1              | NSYSM16630P         | NSYSM16630             | -                      | NSYSPF6100                         | NSYSPS3100        | NSYSPF6200                         | NSYSPS3200        |            |
|                 |       | 400   | 1              | NSYSM16640P         | NSYSM16640             | NSYSM16640T            | NSYSPF6100                         | NSYSPS4100        | NSYSPF6200                         | NSYSPS4200        |            |
|                 | 800   | 300   | 1              | NSYSM16830P         | NSYSM16830             | NSYSM16830T            | NSYSPF8100                         | NSYSPS3100        | NSYSPF8200                         | NSYSPS3200        |            |
|                 |       | 400   | 1              | NSYSM16840P         | NSYSM16840             | NSYSM16840T            | NSYSPF8100                         | NSYSPS4100        | NSYSPF8200                         | NSYSPS4200        |            |
|                 | 1000  | 300   | 2              | NSYSM1610302DP      | NSYSM1610302D          | -                      | NSYSPF10100                        | NSYSPS3100        | NSYSPF10200                        | NSYSPS3200        |            |
|                 |       | 400   | 2              | NSYSM1610402DP      | NSYSM1610402D          | -                      | NSYSPF10100                        | NSYSPS4100        | NSYSPF10200                        | NSYSPS4200        |            |
|                 | 1200  | 300   | 2              | NSYSM1612302DP      | NSYSM1612302D          | -                      | NSYSPF12100                        | NSYSPS3100        | NSYSPF12200                        | NSYSPS3200        |            |
|                 |       | 400   | 2              | NSYSM1612402DP      | NSYSM1612402D          | -                      | NSYSPF12100                        | NSYSPS4100        | NSYSPF12200                        | NSYSPS4200        |            |
|                 | 1800  | 600   | 300            | 1                   | NSYSM18630P            | NSYSM18630             | -                                  | NSYSPF6100        | NSYSPS3100                         | NSYSPF6200        | NSYSPS3200 |
|                 |       |       | 400            | 1                   | NSYSM18640P            | NSYSM18640             | NSYSM18640T                        | NSYSPF6100        | NSYSPS4100                         | NSYSPF6200        | NSYSPS4200 |
| 500             |       |       | 1              | NSYSM18650P         | NSYSM18650             | -                      | NSYSPF6100                         | NSYSPS5100        | NSYSPF6200                         | NSYSPS5200        |            |
| 800             |       |       | 300            | 1                   | NSYSM18830P            | NSYSM18830             | NSYSM18830T                        | NSYSPF8100        | NSYSPS3100                         | NSYSPF8200        | NSYSPS3200 |
| 800             |       | 400   | 1              | NSYSM18840P         | NSYSM18840             | NSYSM18840T            | NSYSPF8100                         | NSYSPS4100        | NSYSPF8200                         | NSYSPS4200        |            |
|                 |       | 500   | 1              | NSYSM18850P         | NSYSM18850             | NSYSM18850T            | NSYSPF8100                         | NSYSPS5100        | NSYSPF8200                         | NSYSPS5200        |            |
|                 |       | 600   | 1              | NSYSM18860P         | NSYSM18860             | -                      | NSYSPF8100                         | NSYSPS6100        | NSYSPF8200                         | NSYSPS6200        |            |
|                 |       | 1000  | 400            | 1                   | NSYSM181040P           | NSYSM181040            | -                                  | NSYSPF10100       | NSYSPS4100                         | NSYSPF10200       | NSYSPS4200 |
| 1000            |       | 400   | 2              | NSYSM1810402DP      | NSYSM1810402D          | -                      | NSYSPF10100                        | NSYSPS4100        | NSYSPF10200                        | NSYSPS4200        |            |
|                 |       | 500   | 2              | NSYSM1810502DP      | NSYSM1810502D          | -                      | NSYSPF10100                        | NSYSPS5100        | NSYSPF10200                        | NSYSPS5200        |            |
|                 |       | 1200  | 400            | 2                   | NSYSM1812402DP         | NSYSM1812402D          | -                                  | NSYSPF12100       | NSYSPS4100                         | NSYSPF12200       | NSYSPS4200 |
|                 |       |       | 500            | 2                   | NSYSM1812502DP         | NSYSM1812502D          | -                                  | NSYSPF12100       | NSYSPS5100                         | NSYSPF12200       | NSYSPS5200 |
| 1600            |       | 400   | 2              | NSYSM1816402DP      | NSYSM1816402D          | -                      | NSYSPF16100                        | NSYSPS4100        | NSYSPF16200                        | NSYSPS4200        |            |
|                 |       | 500   | 2              | NSYSM1816502DP      | NSYSM1816502D          | -                      | NSYSPF16100                        | NSYSPS5100        | NSYSPF16200                        | NSYSPS5200        |            |
| 2000            | 600   | 300   | 1              | NSYSM20630P         | NSYSM20630             | -                      | NSYSPF6100                         | NSYSPS3100        | NSYSPF6200                         | NSYSPS3200        |            |
|                 |       | 400   | 1              | NSYSM20640P         | NSYSM20640             | NSYSM20640T            | NSYSPF6100                         | NSYSPS4100        | NSYSPF6200                         | NSYSPS4200        |            |
|                 |       | 500   | 1              | NSYSM20650P         | NSYSM20650             | -                      | NSYSPF6100                         | NSYSPS5100        | NSYSPF6200                         | NSYSPS5200        |            |
|                 | 800   | 300   | 1              | NSYSM20830P         | NSYSM20830             | NSYSM20830T            | NSYSPF8100                         | NSYSPS3100        | NSYSPF8200                         | NSYSPS3200        |            |
|                 |       | 400   | 1              | NSYSM20840P         | NSYSM20840             | NSYSM20840T            | NSYSPF8100                         | NSYSPS4100        | NSYSPF8200                         | NSYSPS4200        |            |
|                 |       | 500   | 1              | NSYSM20850P         | NSYSM20850             | NSYSM20850T            | NSYSPF8100                         | NSYSPS5100        | NSYSPF8200                         | NSYSPS5200        |            |
|                 |       | 600   | 1              | NSYSM20860P         | NSYSM20860             | NSYSM20860T            | NSYSPF8100                         | NSYSPS6100        | NSYSPF8200                         | NSYSPS6200        |            |
|                 | 1000  | 400   | 2              | NSYSM2010402DP      | NSYSM2010402D          | -                      | NSYSPF10100                        | NSYSPS4100        | NSYSPF10200                        | NSYSPS4200        |            |
|                 |       | 500   | 2              | NSYSM2010502DP      | NSYSM2010502D          | -                      | NSYSPF10100                        | NSYSPS5100        | NSYSPF10200                        | NSYSPS5200        |            |
|                 | 1200  | 400   | 2              | NSYSM2012402DP      | NSYSM2012402D          | -                      | NSYSPF12100                        | NSYSPS4100        | NSYSPF12200                        | NSYSPS4200        |            |
|                 |       | 500   | 2              | NSYSM2012502DP      | NSYSM2012502D          | -                      | NSYSPF12100                        | NSYSPS5100        | NSYSPF12200                        | NSYSPS5200        |            |
|                 |       | 600   | 2              | NSYSM2012602DP      | NSYSM2012602D          | -                      | NSYSPF12100                        | NSYSPS6100        | NSYSPF12200                        | NSYSPS6200        |            |
|                 | 1600  | 400   | 2              | NSYSM2016402DP      | NSYSM2016402D          | -                      | NSYSPF16100                        | NSYSPS4100        | NSYSPF16200                        | NSYSPS4200        |            |
|                 |       | 500   | 2              | NSYSM2016502DP      | NSYSM2016502D          | -                      | NSYSPF16100                        | NSYSPS5100        | NSYSPF16200                        | NSYSPS5200        |            |
| 600             |       | 2     | NSYSM2016602DP | NSYSM2016602D       | -                      | NSYSPF16100            | NSYSPS6100                         | NSYSPF16200       | NSYSPS6200                         |                   |            |

> Specific accessories overview page 92

# Selection guide

## Steel floor-standing enclosures

**SM**

PE500475-12



PE500477-7



PE500482-10



PE500483-13



PE500473-12

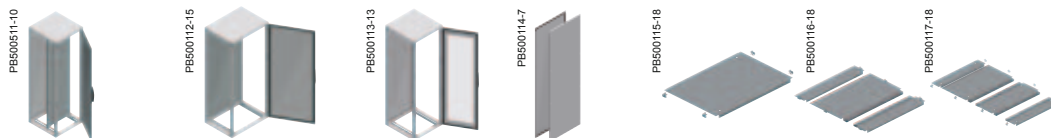


| Characteristics |       |       |              | Inner door | Mounting plate | Vertical uprights |           | Off-centre 19" swing rack | Centred 19" swing rack |   |
|-----------------|-------|-------|--------------|------------|----------------|-------------------|-----------|---------------------------|------------------------|---|
| Dimensions (mm) |       |       | No. of doors |            |                | Standard          | Technical |                           |                        |   |
| H (A)           | W (B) | D (C) |              |            |                |                   |           |                           |                        |   |
| 1200            | 800   | 300   | 1            | -          | NSYMP128       | -                 | NSYTVR12  | -                         | -                      |   |
|                 | 1000  | 300   | 2            | -          | NSYMP1210      | -                 | NSYTVR12  | -                         | -                      |   |
|                 | 1200  | 400   | 2            | -          | NSYMP1212      | -                 | NSYTVR12  | -                         | -                      |   |
| 1400            | 600   | 300   | 1            | -          | NSYMP146       | -                 | NSYTVR14  | -                         | -                      |   |
|                 |       | 400   | 1            | -          | NSYMP146       | -                 | NSYTVR14  | -                         | -                      |   |
|                 | 800   | 300   | 1            | -          | NSYMP148       | -                 | NSYTVR14  | NSYRSW27                  | NSYRSWC27              |   |
|                 |       | 400   | 1            | -          | NSYMP148       | -                 | NSYTVR14  | NSYRSW27                  | NSYRSWC27              |   |
|                 | 1000  | 400   | 2            | -          | NSYMP1410      | -                 | NSYTVR14  | -                         | -                      |   |
|                 | 1200  | 400   | 2            | -          | NSYMP1412      | -                 | NSYTVR14  | -                         | -                      |   |
| 1600            | 600   | 300   | 1            | NSYID166   | NSYMP166       | -                 | NSYTVR16  | -                         | -                      |   |
|                 |       | 400   | 1            | NSYID166   | NSYMP166       | -                 | NSYTVR16  | -                         | -                      |   |
|                 | 800   | 300   | 1            | NSYID168   | NSYMP168       | -                 | NSYTVR16  | NSYRSW31                  | NSYRSWC31              |   |
|                 |       | 400   | 1            | NSYID168   | NSYMP168       | -                 | NSYTVR16  | NSYRSW31                  | NSYRSWC31              |   |
|                 | 1000  | 300   | 2            | -          | NSYMP1610      | -                 | NSYTVR16  | -                         | -                      |   |
|                 |       | 400   | 2            | -          | NSYMP1610      | -                 | NSYTVR16  | -                         | -                      |   |
|                 | 1200  | 300   | 2            | -          | NSYMP1612      | -                 | NSYTVR16  | -                         | -                      |   |
|                 |       | 400   | 2            | -          | NSYMP1612      | -                 | NSYTVR16  | -                         | -                      |   |
|                 | 1800  | 600   | 300          | 1          | NSYID186       | NSYMP186          | NSYVR18   | NSYTVR18                  | -                      | - |
|                 |       |       | 400          | 1          | NSYID186       | NSYMP186          | NSYVR18   | NSYTVR18                  | -                      | - |
| 500             |       |       | 1            | NSYID186   | NSYMP186       | NSYVR18           | NSYTVR18  | -                         | -                      |   |
| 800             |       | 300   | 1            | NSYID188   | NSYMP188       | NSYVR18           | NSYTVR18  | NSYRSW36                  | NSYRSWC36              |   |
|                 |       | 400   | 1            | NSYID188   | NSYMP188       | NSYVR18           | NSYTVR18  | NSYRSW36                  | NSYRSWC36              |   |
|                 |       | 500   | 1            | NSYID188   | NSYMP188       | NSYVR18           | NSYTVR18  | NSYRSW36                  | NSYRSWC36              |   |
|                 |       | 600   | 1            | NSYID188   | NSYMP188       | NSYVR18           | NSYTVR18  | NSYRSW36                  | NSYRSWC36              |   |
| 1000            |       | 400   | 1            | NSYID1810  | NSYMP1810      | NSYVR18           | NSYTVR18  | -                         | -                      |   |
|                 |       | 400   | 2            | NSYID1810  | NSYMP1810      | NSYVR18           | NSYTVR18  | -                         | -                      |   |
|                 |       | 500   | 2            | NSYID1810  | NSYMP1810      | NSYVR18           | NSYTVR18  | -                         | -                      |   |
| 1200            |       | 400   | 2            | -          | NSYMP1812      | NSYVR18           | NSYTVR18  | -                         | -                      |   |
|                 |       | 500   | 2            | -          | NSYMP1812      | NSYVR18           | NSYTVR18  | -                         | -                      |   |
| 1600            |       | 400   | 2            | -          | NSYMP1816      | NSYVR18           | NSYTVR18  | -                         | -                      |   |
|                 |       | 500   | 2            | -          | NSYMP1816      | NSYVR18           | NSYTVR18  | -                         | -                      |   |
| 2000            |       | 600   | 300          | 1          | NSYID206       | NSYMP206          | NSYVR20   | NSYTVR20                  | -                      | - |
|                 |       |       | 400          | 1          | NSYID206       | NSYMP206          | NSYVR20   | NSYTVR20                  | -                      | - |
|                 | 500   |       | 1            | NSYID206   | NSYMP206       | NSYVR20           | NSYTVR20  | -                         | -                      |   |
|                 | 800   | 300   | 1            | NSYID208   | NSYMP208       | NSYVR20           | NSYTVR20  | NSYRSW40                  | NSYRSWC40              |   |
|                 |       | 400   | 1            | NSYID208   | NSYMP208       | NSYVR20           | NSYTVR20  | NSYRSW40                  | NSYRSWC40              |   |
|                 |       | 500   | 1            | NSYID208   | NSYMP208       | NSYVR20           | NSYTVR20  | NSYRSW40                  | NSYRSWC40              |   |
|                 |       | 600   | 1            | NSYID208   | NSYMP208       | NSYVR20           | NSYTVR20  | NSYRSW40                  | NSYRSWC40              |   |
|                 | 1000  | 400   | 2            | NSYID2010  | NSYMP2010      | NSYVR20           | NSYTVR20  | -                         | -                      |   |
|                 |       | 500   | 2            | NSYID2010  | NSYMP2010      | NSYVR20           | NSYTVR20  | -                         | -                      |   |
|                 | 1200  | 400   | 2            | -          | NSYMP2012      | NSYVR20           | NSYTVR20  | -                         | -                      |   |
|                 |       | 500   | 2            | -          | NSYMP2012      | NSYVR20           | NSYTVR20  | -                         | -                      |   |
|                 |       | 600   | 2            | -          | NSYMP2012      | NSYVR20           | NSYTVR20  | -                         | -                      |   |
|                 | 1600  | 400   | 2            | -          | NSYMP2016      | NSYVR20           | NSYTVR20  | -                         | -                      |   |
|                 |       | 500   | 2            | -          | NSYMP2016      | NSYVR20           | NSYTVR20  | -                         | -                      |   |
|                 |       | 600   | 2            | -          | NSYMP2016      | NSYVR20           | NSYTVR20  | -                         | -                      |   |

# Selection guide

## Steel floor-standing enclosures

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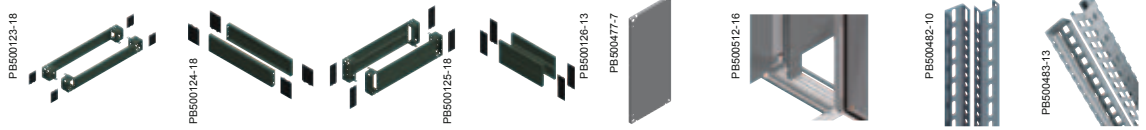


| Nominal dimensions (mm) |           |           | No. of doors   | Door                |                        |                                    | Side panels | Cable-entry plate |           |           |
|-------------------------|-----------|-----------|----------------|---------------------|------------------------|------------------------------------|-------------|-------------------|-----------|-----------|
| Height (A)              | Width (B) | Depth (C) |                | With mounting plate | Without mounting plate | Transparent Without mounting plate |             | Plain             | 1 entry   | 2 entries |
| 1200                    | 600       | 400       | 1              | NSYSF12640P         | NSYSF12640             | -                                  | NSY2SP124   | NSYEC64           | NSYEC641  | -         |
|                         |           | 600       | 1              | NSYSF12660P         | NSYSF12660             | -                                  | NSY2SP126   | NSYEC66           | NSYEC661  | NSYEC662  |
|                         | 800       | 400       | 1              | NSYSF12840P         | NSYSF12840             | -                                  | NSY2SP124   | NSYEC84           | NSYEC841  | -         |
| 1400                    | 600       | 400       | 1              | NSYSF12860P         | NSYSF12860             | -                                  | NSY2SP126   | NSYEC86           | NSYEC861  | NSYEC862  |
|                         |           | 600       | 1              | NSYSF14640P         | NSYSF14640             | -                                  | NSY2SP144   | NSYEC64           | NSYEC641  | -         |
|                         | 800       | 400       | 1              | NSYSF14840P         | NSYSF14840             | -                                  | NSY2SP144   | NSYEC84           | NSYEC841  | -         |
| 1600                    | 600       | 400       | 1              | NSYSF16660P         | NSYSF16660             | -                                  | NSY2SP166   | NSYEC66           | NSYEC661  | NSYEC662  |
|                         |           | 800       | 1              | NSYSF16680P         | NSYSF16680             | -                                  | NSY2SP168   | NSYEC68           | NSYEC681  | NSYEC682  |
|                         | 800       | 600       | 1              | NSYSF16860P         | NSYSF16860             | -                                  | NSY2SP166   | NSYEC86           | NSYEC861  | NSYEC862  |
| 1800                    | 400       | 400       | 1              | -                   | NSYSF18440             | -                                  | NSY2SP184   | NSYEC44           | NSYEC441  | -         |
|                         |           | 500       | 1              | -                   | NSYSF18450             | -                                  | NSY2SP185   | NSYEC45           | NSYEC451  | -         |
|                         |           | 600       | 1              | -                   | NSYSF18460             | -                                  | NSY2SP186   | -                 | NSYEC461  | -         |
|                         | 600       | 400       | 1              | NSYSF18640P         | NSYSF18640             | NSYSF18640T                        | NSY2SP184   | NSYEC64           | NSYEC641  | -         |
|                         |           | 500       | 1              | NSYSF18650P         | NSYSF18650             | NSYSF18650T                        | NSY2SP185   | NSYEC65           | NSYEC651  | -         |
|                         |           | 600       | 1              | NSYSF18660P         | NSYSF18660             | -                                  | NSY2SP186   | NSYEC66           | NSYEC661  | NSYEC662  |
|                         | 800       | 400       | 1              | -                   | -                      | NSYSF18680T                        | NSY2SP188   | NSYEC68           | NSYEC681  | NSYEC682  |
|                         |           | 400       | 1              | NSYSF18840P         | NSYSF18840             | NSYSF18840T                        | NSY2SP184   | NSYEC84           | NSYEC841  | -         |
|                         |           | 500       | 1              | NSYSF18850P         | NSYSF18850             | NSYSF18850T                        | NSY2SP185   | NSYEC85           | NSYEC851  | -         |
|                         | 1000      | 400       | 1              | NSYSF18860P         | NSYSF18860             | NSYSF18860T                        | NSY2SP186   | NSYEC86           | NSYEC861  | NSYEC862  |
|                         |           | 600       | 2              | NSYSF188602DP       | NSYSF188602D           | -                                  | NSY2SP186   | NSYEC86           | NSYEC861  | NSYEC862  |
|                         |           | 400       | 1              | NSYSF181040P        | NSYSF181040            | -                                  | NSY2SP184   | NSYEC104          | NSYEC1041 | -         |
| 1200                    | 400       | 2         | NSYSF1810402DP | NSYSF1810402D       | -                      | NSY2SP184                          | NSYEC104    | NSYEC1041         | -         |           |
|                         | 500       | 1         | NSYSF181050P   | NSYSF181050         | -                      | NSY2SP185                          | NSYEC105    | NSYEC1051         | -         |           |
|                         | 600       | 1         | NSYSF181060P   | NSYSF181060         | -                      | NSY2SP186                          | NSYEC106    | NSYEC1061         | NSYEC1062 |           |
| 2000                    | 300       | 400       | 2              | NSYSF1810602DP      | NSYSF1810602D          | -                                  | NSY2SP186   | NSYEC106          | NSYEC1061 | NSYEC1062 |
|                         |           | 400       | 2              | NSYSF1812402DP      | NSYSF1812402D          | -                                  | NSY2SP184   | NSYEC124          | NSYEC1241 | -         |
|                         |           | 500       | 2              | NSYSF1812502DP      | NSYSF1812502D          | -                                  | NSY2SP185   | NSYEC125          | NSYEC1251 | -         |
| 2200                    | 400       | 600       | 2              | NSYSF1812602DP      | NSYSF1812602D          | -                                  | NSY2SP186   | NSYEC126          | NSYEC1261 | NSYEC1262 |
|                         |           | 500       | 1              | -                   | NSYSF20350             | -                                  | NSY2SP205   | NSYEC35           | NSYEC351  | -         |
|                         |           | 600       | 1              | -                   | NSYSF20360             | -                                  | NSY2SP206   | NSYEC36           | NSYEC361  | -         |
|                         | 600       | 800       | 1              | -                   | NSYSF20380             | -                                  | NSY2SP208   | -                 | NSYEC381  | -         |
|                         |           | 400       | 1              | -                   | NSYSF20440             | -                                  | NSY2SP204   | NSYEC44           | NSYEC441  | -         |
|                         |           | 500       | 1              | -                   | NSYSF20450             | -                                  | NSY2SP205   | NSYEC45           | NSYEC451  | -         |
|                         | 800       | 600       | 1              | -                   | NSYSF20460             | -                                  | NSY2SP206   | NSYEC64           | NSYEC641  | -         |
|                         |           | 800       | 1              | -                   | NSYSF20480             | -                                  | NSY2SP208   | NSYEC84           | NSYEC841  | -         |
|                         |           | 400       | 1              | NSYSF20640P         | NSYSF20640             | NSYSF20640T                        | NSY2SP204   | NSYEC64           | NSYEC641  | -         |
|                         | 1000      | 500       | 1              | NSYSF20650P         | NSYSF20650             | NSYSF20650T                        | NSY2SP205   | NSYEC65           | NSYEC651  | -         |
|                         |           | 600       | 1              | NSYSF20660P         | NSYSF20660             | -                                  | NSY2SP206   | NSYEC66           | NSYEC661  | NSYEC662  |
|                         |           | 800       | 1              | NSYSF20680P         | NSYSF20680             | -                                  | NSY2SP208   | NSYEC68           | NSYEC681  | NSYEC682  |
| 1200                    | 400       | 1         | NSYSF20840P    | NSYSF20840          | NSYSF20840T            | NSY2SP204                          | NSYEC84     | NSYEC841          | -         |           |
|                         | 500       | 1         | NSYSF20850P    | NSYSF20850          | NSYSF20850T            | NSY2SP205                          | NSYEC85     | NSYEC851          | -         |           |
|                         | 600       | 1         | NSYSF20860P    | NSYSF20860          | NSYSF20860T            | NSY2SP206                          | NSYEC86     | NSYEC861          | NSYEC862  |           |
| 1600                    | 600       | 2         | NSYSF208602DP  | NSYSF208602D        | -                      | NSY2SP206                          | NSYEC86     | NSYEC861          | NSYEC862  |           |
|                         | 800       | 1         | NSYSF20880P    | NSYSF20880          | NSYSF20880T            | NSY2SP208                          | NSYEC88     | NSYEC881          | NSYEC882  |           |
|                         | 400       | 1         | NSYSF201040P   | NSYSF201040         | NSYSF201040T           | NSY2SP204                          | NSYEC104    | NSYEC1041         | -         |           |
| 2000                    | 400       | 2         | NSYSF2010402DP | NSYSF2010402D       | -                      | NSY2SP204                          | NSYEC104    | NSYEC1041         | -         |           |
|                         | 500       | 1         | NSYSF201050P   | NSYSF201050         | NSYSF201050T           | NSY2SP205                          | NSYEC105    | NSYEC1051         | -         |           |
|                         | 500       | 2         | NSYSF2010502DP | NSYSF2010502D       | -                      | NSY2SP205                          | NSYEC105    | NSYEC1051         | -         |           |
| 2200                    | 600       | 1         | NSYSF201060P   | NSYSF201060         | NSYSF201060T           | NSY2SP206                          | NSYEC106    | NSYEC1061         | NSYEC1062 |           |
|                         | 600       | 2         | NSYSF2010602DP | NSYSF2010602D       | -                      | NSY2SP206                          | NSYEC106    | NSYEC1061         | NSYEC1062 |           |
|                         | 800       | 1         | NSYSF201080P   | NSYSF201080         | -                      | NSY2SP208                          | NSYEC108    | NSYEC1081         | NSYEC1082 |           |
| 2400                    | 400       | 2         | NSYSF2012402DP | NSYSF2012402D       | -                      | NSY2SP204                          | NSYEC124    | NSYEC1241         | -         |           |
|                         | 500       | 2         | NSYSF2012502DP | NSYSF2012502D       | -                      | NSY2SP205                          | NSYEC125    | NSYEC1251         | -         |           |
|                         | 600       | 2         | NSYSF2012602DP | NSYSF2012602D       | -                      | NSY2SP206                          | NSYEC126    | NSYEC1261         | NSYEC1262 |           |
| 2800                    | 800       | 2         | NSYSF2012802DP | NSYSF2012802D       | -                      | NSY2SP208                          | NSYEC128    | NSYEC1281         | NSYEC1282 |           |
|                         | 400       | 2         | NSYSF2016402DP | NSYSF2016402D       | -                      | NSY2SP204                          | NSYEC164    | NSYEC1641         | -         |           |
|                         | 500       | 2         | NSYSF2016502DP | NSYSF2016502D       | -                      | NSY2SP205                          | NSYEC165    | NSYEC1651         | -         |           |
| 3200                    | 600       | 2         | NSYSF2016602DP | NSYSF2016602D       | -                      | NSY2SP206                          | NSYEC166    | NSYEC1661         | NSYEC1662 |           |
|                         | 400       | 600       | 1              | -                   | NSYSF22460             | -                                  | NSY2SP226   | -                 | NSYEC461  | -         |
|                         | 600       | 600       | 1              | NSYSF22660P         | NSYSF22660             | -                                  | NSY2SP226   | NSYEC66           | NSYEC661  | NSYEC662  |
| 3600                    | 800       | 1         | NSYSF22680P    | NSYSF22680          | -                      | NSY2SP228                          | NSYEC68     | NSYEC681          | NSYEC682  |           |
|                         | 600       | 1         | NSYSF22860P    | NSYSF22860          | -                      | NSY2SP226                          | NSYEC86     | NSYEC861          | NSYEC862  |           |
|                         | 800       | 1         | NSYSF22880P    | NSYSF22880          | NSYSF22880T            | NSY2SP228                          | NSYEC88     | NSYEC881          | NSYEC882  |           |
| 4000                    | 600       | 1         | NSYSF221060P   | NSYSF221060         | -                      | NSY2SP226                          | NSYEC106    | NSYEC1061         | NSYEC1062 |           |
|                         | 600       | 2         | NSYSF2212602DP | NSYSF2212602D       | -                      | NSY2SP226                          | NSYEC126    | NSYEC1261         | NSYEC1262 |           |
|                         | 800       | 2         | NSYSF2212802DP | NSYSF2212802D       | -                      | NSY2SP228                          | NSYEC128    | NSYEC1281         | NSYEC1282 |           |

# Selection guide

## Steel floor-standing enclosures

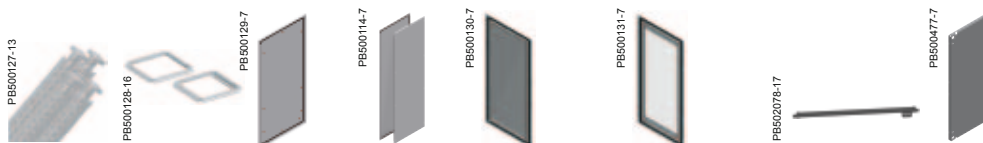
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| Nominal dimensions (mm) |           |              | Plinth                             |                   |                                    |                   | Mounting plate | Intermediate mounting plate | Vertical uprights |           |
|-------------------------|-----------|--------------|------------------------------------|-------------------|------------------------------------|-------------------|----------------|-----------------------------|-------------------|-----------|
| Height (A)              | Width (B) | Depth (C)    | Height 100 mm                      |                   | Height 200 mm                      |                   |                |                             | Standard          | Technical |
|                         |           |              | Front kit (corners + front panels) | Side panels, 2 u. | Front kit (corners + front panels) | Side panels, 4 u. |                |                             |                   |           |
| 1200                    | 600       | 400          | NSYSPPF6100                        | NSYSPPS4100       | NSYSPPF6200                        | NSYSPPS4200       | NSYMP126       | NSYSIMP12                   | -                 | NSYTVR12  |
|                         |           | 600          | NSYSPPF6100                        | NSYSPPS6100       | NSYSPPF6200                        | NSYSPPS6200       | NSYMP126       | NSYSIMP12                   | -                 | NSYTVR12  |
|                         |           | 800          | NSYSPPF8100                        | NSYSPPS4100       | NSYSPPF8200                        | NSYSPPS4200       | NSYMP128       | NSYSIMP12                   | -                 | NSYTVR12  |
|                         | 800       | 400          | NSYSPPF8100                        | NSYSPPS6100       | NSYSPPF8200                        | NSYSPPS6200       | NSYMP128       | NSYSIMP12                   | -                 | NSYTVR12  |
|                         |           | 600          | NSYSPPF8100                        | NSYSPPS4100       | NSYSPPF8200                        | NSYSPPS4200       | NSYMP146       | NSYSIMP14                   | -                 | NSYTVR14  |
|                         |           | 800          | NSYSPPF8100                        | NSYSPPS4100       | NSYSPPF8200                        | NSYSPPS4200       | NSYMP148       | NSYSIMP14                   | -                 | NSYTVR14  |
| 1400                    | 600       | 400          | NSYSPPF6100                        | NSYSPPS4100       | NSYSPPF6200                        | NSYSPPS4200       | NSYMP146       | NSYSIMP14                   | -                 | NSYTVR14  |
|                         |           | 600          | NSYSPPF8100                        | NSYSPPS4100       | NSYSPPF8200                        | NSYSPPS4200       | NSYMP148       | NSYSIMP14                   | -                 | NSYTVR14  |
|                         |           | 800          | NSYSPPF8100                        | NSYSPPS4100       | NSYSPPF8200                        | NSYSPPS4200       | NSYMP148       | NSYSIMP14                   | -                 | NSYTVR14  |
|                         | 800       | 400          | NSYSPPF6100                        | NSYSPPS6100       | NSYSPPF6200                        | NSYSPPS6200       | NSYMP166       | NSYSIMP16                   | -                 | NSYTVR16  |
|                         |           | 600          | NSYSPPF6100                        | NSYSPPS8100       | NSYSPPF6200                        | NSYSPPS8200       | NSYMP166       | NSYSIMP16                   | -                 | NSYTVR16  |
|                         |           | 800          | NSYSPPF8100                        | NSYSPPS6100       | NSYSPPF8200                        | NSYSPPS6200       | NSYMP168       | NSYSIMP16                   | -                 | NSYTVR16  |
| 1800                    | 400       | 400          | NSYSPPF4100                        | NSYSPPS4100       | NSYSPPF4200                        | NSYSPPS4200       | -              | -                           | NSYVR18           | NSYTVR18  |
|                         |           | 500          | NSYSPPF4100                        | NSYSPPS5100       | NSYSPPF4200                        | NSYSPPS5200       | -              | -                           | NSYVR18           | NSYTVR18  |
|                         |           | 600          | NSYSPPF4100                        | NSYSPPS6100       | NSYSPPF4200                        | NSYSPPS6200       | -              | -                           | NSYVR18           | NSYTVR18  |
|                         |           | 600          | NSYSPPF6100                        | NSYSPPS4100       | NSYSPPF6200                        | NSYSPPS4200       | NSYMP186       | NSYSIMP18                   | NSYVR18           | NSYTVR18  |
|                         |           | 500          | NSYSPPF6100                        | NSYSPPS5100       | NSYSPPF6200                        | NSYSPPS5200       | NSYMP186       | NSYSIMP18                   | NSYVR18           | NSYTVR18  |
|                         |           | 600          | NSYSPPF6100                        | NSYSPPS6100       | NSYSPPF6200                        | NSYSPPS6200       | NSYMP186       | NSYSIMP18                   | NSYVR18           | NSYTVR18  |
|                         | 800       | 400          | NSYSPPF6100                        | NSYSPPS8100       | NSYSPPF6200                        | NSYSPPS8200       | NSYMP186       | NSYSIMP18                   | NSYVR18           | NSYTVR18  |
|                         |           | 400          | NSYSPPF8100                        | NSYSPPS4100       | NSYSPPF8200                        | NSYSPPS4200       | NSYMP188       | NSYSIMP18                   | NSYVR18           | NSYTVR18  |
|                         |           | 500          | NSYSPPF8100                        | NSYSPPS5100       | NSYSPPF8200                        | NSYSPPS5200       | NSYMP188       | NSYSIMP18                   | NSYVR18           | NSYTVR18  |
|                         |           | 600          | NSYSPPF8100                        | NSYSPPS6100       | NSYSPPF8200                        | NSYSPPS6200       | NSYMP188       | NSYSIMP18                   | NSYVR18           | NSYTVR18  |
|                         |           | 600          | NSYSPPF8100                        | NSYSPPS8100       | NSYSPPF8200                        | NSYSPPS8200       | NSYMP188       | NSYSIMP18                   | NSYVR18           | NSYTVR18  |
|                         |           | 1000         | NSYSPPF10100                       | NSYSPPS4100       | NSYSPPF10200                       | NSYSPPS4200       | NSYMP1810      | NSYSIMP18                   | NSYVR18           | NSYTVR18  |
|                         | 1000      | 400          | NSYSPPF10100                       | NSYSPPS4100       | NSYSPPF10200                       | NSYSPPS4200       | NSYMP1810      | NSYSIMP18                   | NSYVR18           | NSYTVR18  |
|                         |           | 400          | NSYSPPF10100                       | NSYSPPS5100       | NSYSPPF10200                       | NSYSPPS5200       | NSYMP1810      | NSYSIMP18                   | NSYVR18           | NSYTVR18  |
|                         |           | 500          | NSYSPPF10100                       | NSYSPPS5100       | NSYSPPF10200                       | NSYSPPS5200       | NSYMP1810      | NSYSIMP18                   | NSYVR18           | NSYTVR18  |
|                         |           | 600          | NSYSPPF10100                       | NSYSPPS6100       | NSYSPPF10200                       | NSYSPPS6200       | NSYMP1810      | NSYSIMP18                   | NSYVR18           | NSYTVR18  |
|                         |           | 600          | NSYSPPF10100                       | NSYSPPS6100       | NSYSPPF10200                       | NSYSPPS6200       | NSYMP1810      | NSYSIMP18                   | NSYVR18           | NSYTVR18  |
|                         |           | 1200         | NSYSPPF12100                       | NSYSPPS4100       | NSYSPPF12200                       | NSYSPPS4200       | NSYMP1812      | NSYSIMP18                   | NSYVR18           | NSYTVR18  |
| 2000                    | 300       | 400          | NSYSPPF12100                       | NSYSPPS6100       | NSYSPPF12200                       | NSYSPPS6200       | NSYMP1812      | NSYSIMP18                   | NSYVR18           | NSYTVR18  |
|                         |           | 500          | NSYSPPF3100                        | NSYSPPS5100       | NSYSPPF3200                        | NSYSPPS5200       | -              | -                           | NSYVR20           | NSYTVR20  |
|                         |           | 600          | NSYSPPF3100                        | NSYSPPS6100       | NSYSPPF3200                        | NSYSPPS6200       | -              | -                           | NSYVR20           | NSYTVR20  |
|                         |           | 800          | NSYSPPF3100                        | NSYSPPS8100       | NSYSPPF3200                        | NSYSPPS8200       | -              | -                           | NSYVR20           | NSYTVR20  |
|                         |           | 400          | NSYSPPF4100                        | NSYSPPS4100       | NSYSPPF4200                        | NSYSPPS4200       | -              | -                           | NSYVR20           | NSYTVR20  |
|                         |           | 500          | NSYSPPF4100                        | NSYSPPS5100       | NSYSPPF4200                        | NSYSPPS5200       | -              | -                           | NSYVR20           | NSYTVR20  |
|                         | 600       | 400          | NSYSPPF4100                        | NSYSPPS6100       | NSYSPPF4200                        | NSYSPPS6200       | -              | -                           | NSYVR20           | NSYTVR20  |
|                         |           | 800          | NSYSPPF4100                        | NSYSPPS8100       | NSYSPPF4200                        | NSYSPPS8200       | -              | -                           | NSYVR20           | NSYTVR20  |
|                         |           | 400          | NSYSPPF6100                        | NSYSPPS4100       | NSYSPPF6200                        | NSYSPPS4200       | NSYMP206       | NSYSIMP20                   | NSYVR20           | NSYTVR20  |
|                         |           | 500          | NSYSPPF6100                        | NSYSPPS5100       | NSYSPPF6200                        | NSYSPPS5200       | NSYMP206       | NSYSIMP20                   | NSYVR20           | NSYTVR20  |
|                         |           | 600          | NSYSPPF6100                        | NSYSPPS6100       | NSYSPPF6200                        | NSYSPPS6200       | NSYMP206       | NSYSIMP20                   | NSYVR20           | NSYTVR20  |
|                         |           | 800          | NSYSPPF6100                        | NSYSPPS8100       | NSYSPPF6200                        | NSYSPPS8200       | NSYMP206       | NSYSIMP20                   | NSYVR20           | NSYTVR20  |
| 2200                    | 400       | 400          | NSYSPPF8100                        | NSYSPPS4100       | NSYSPPF8200                        | NSYSPPS4200       | NSYMP208       | NSYSIMP20                   | NSYVR20           | NSYTVR20  |
|                         |           | 500          | NSYSPPF8100                        | NSYSPPS5100       | NSYSPPF8200                        | NSYSPPS5200       | NSYMP208       | NSYSIMP20                   | NSYVR20           | NSYTVR20  |
|                         |           | 600          | NSYSPPF8100                        | NSYSPPS6100       | NSYSPPF8200                        | NSYSPPS6200       | NSYMP208       | NSYSIMP20                   | NSYVR20           | NSYTVR20  |
|                         |           | 800          | NSYSPPF8100                        | NSYSPPS8100       | NSYSPPF8200                        | NSYSPPS8200       | NSYMP208       | NSYSIMP20                   | NSYVR20           | NSYTVR20  |
|                         |           | 400          | NSYSPPF10100                       | NSYSPPS4100       | NSYSPPF10200                       | NSYSPPS4200       | NSYMP2010      | NSYSIMP20                   | NSYVR20           | NSYTVR20  |
|                         |           | 400          | NSYSPPF10100                       | NSYSPPS5100       | NSYSPPF10200                       | NSYSPPS5200       | NSYMP2010      | NSYSIMP20                   | NSYVR20           | NSYTVR20  |
|                         | 600       | 400          | NSYSPPF10100                       | NSYSPPS4100       | NSYSPPF10200                       | NSYSPPS4200       | NSYMP2010      | NSYSIMP20                   | NSYVR20           | NSYTVR20  |
|                         |           | 500          | NSYSPPF10100                       | NSYSPPS5100       | NSYSPPF10200                       | NSYSPPS5200       | NSYMP2010      | NSYSIMP20                   | NSYVR20           | NSYTVR20  |
|                         |           | 600          | NSYSPPF10100                       | NSYSPPS6100       | NSYSPPF10200                       | NSYSPPS6200       | NSYMP2010      | NSYSIMP20                   | NSYVR20           | NSYTVR20  |
|                         |           | 600          | NSYSPPF10100                       | NSYSPPS6100       | NSYSPPF10200                       | NSYSPPS6200       | NSYMP2010      | NSYSIMP20                   | NSYVR20           | NSYTVR20  |
|                         |           | 800          | NSYSPPF10100                       | NSYSPPS8100       | NSYSPPF10200                       | NSYSPPS8200       | NSYMP2010      | NSYSIMP20                   | NSYVR20           | NSYTVR20  |
|                         |           | 1200         | NSYSPPF12100                       | NSYSPPS4100       | NSYSPPF12200                       | NSYSPPS4200       | NSYMP2012      | NSYSIMP20                   | NSYVR20           | NSYTVR20  |
| 1600                    | 400       | NSYSPPF12100 | NSYSPPS5100                        | NSYSPPF12200      | NSYSPPS5200                        | NSYMP2012         | NSYSIMP20      | NSYVR20                     | NSYTVR20          |           |
|                         | 600       | NSYSPPF12100 | NSYSPPS6100                        | NSYSPPF12200      | NSYSPPS6200                        | NSYMP2012         | NSYSIMP20      | NSYVR20                     | NSYTVR20          |           |
|                         | 800       | NSYSPPF12100 | NSYSPPS8100                        | NSYSPPF12200      | NSYSPPS8200                        | NSYMP2012         | NSYSIMP20      | NSYVR20                     | NSYTVR20          |           |
|                         | 400       | NSYSPPF16100 | NSYSPPS4100                        | NSYSPPF16200      | NSYSPPS4200                        | NSYMP2016         | NSYSIMP20      | NSYVR20                     | NSYTVR20          |           |
|                         | 500       | NSYSPPF16100 | NSYSPPS5100                        | NSYSPPF16200      | NSYSPPS5200                        | NSYMP2016         | NSYSIMP20      | NSYVR20                     | NSYTVR20          |           |
|                         | 600       | NSYSPPF16100 | NSYSPPS6100                        | NSYSPPF16200      | NSYSPPS6200                        | NSYMP2016         | NSYSIMP20      | NSYVR20                     | NSYTVR20          |           |
| 2200                    | 400       | 600          | NSYSPPF4100                        | NSYSPPS6100       | NSYSPPF4200                        | NSYSPPS6200       | -              | -                           | NSYVR22           | NSYTVR22  |
|                         |           | 600          | NSYSPPF6100                        | NSYSPPS6100       | NSYSPPF6200                        | NSYSPPS6200       | NSYMP226       | NSYSIMP22                   | NSYVR22           | NSYTVR22  |
|                         |           | 800          | NSYSPPF6100                        | NSYSPPS8100       | NSYSPPF6200                        | NSYSPPS8200       | NSYMP226       | NSYSIMP22                   | NSYVR22           | NSYTVR22  |
|                         | 800       | 600          | NSYSPPF8100                        | NSYSPPS6100       | NSYSPPF8200                        | NSYSPPS6200       | NSYMP228       | NSYSIMP22                   | NSYVR22           | NSYTVR22  |
|                         |           | 800          | NSYSPPF8100                        | NSYSPPS8100       | NSYSPPF8200                        | NSYSPPS8200       | NSYMP228       | NSYSIMP22                   | NSYVR22           | NSYTVR22  |
|                         |           | 1000         | NSYSPPF10100                       | NSYSPPS6100       | NSYSPPF10200                       | NSYSPPS6200       | NSYMP2210      | NSYSIMP22                   | NSYVR22           | NSYTVR22  |
| 1200                    | 600       | NSYSPPF12100 | NSYSPPS6100                        | NSYSPPF12200      | NSYSPPS6200                        | NSYMP2212         | NSYSIMP22      | NSYVR22                     | NSYTVR22          |           |
|                         | 800       | NSYSPPF12100 | NSYSPPS8100                        | NSYSPPF12200      | NSYSPPS8200                        | NSYMP2212         | NSYSIMP22      | NSYVR22                     | NSYTVR22          |           |

# Selection guide

## Steel floor-standing enclosures

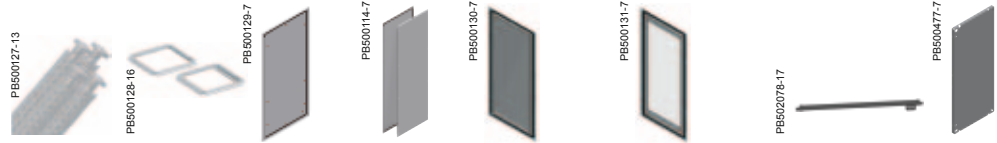


| Nominal dimensions (mm) |           |           | No. of doors | Vertical uprights | Bottom frame and top frame with roof | Rear panel   | Side panels   | Plain door (1) | Transparent door (Securit® glass) (1) | Door Trim plate | Mounting plate |           |
|-------------------------|-----------|-----------|--------------|-------------------|--------------------------------------|--------------|---------------|----------------|---------------------------------------|-----------------|----------------|-----------|
| Height (A)              | Width (B) | Depth (C) |              |                   |                                      |              |               |                |                                       |                 |                |           |
| 1200                    | 600       | 400       | 1            | NSYSFV12          | NSYSFC64                             | NSYBP126     | NSY2SP124     | NSYSFD126      | NSYSFD126T                            | NSYTRIM6SF      | NSYMP126       |           |
|                         |           | 500       | 1            | NSYSFV12          | NSYSFC65                             | NSYBP126     | NSY2SP125     | NSYSFD126      | NSYSFD126T                            | NSYTRIM6SF      | NSYMP126       |           |
|                         |           | 600       | 1            | NSYSFV12          | NSYSFC66                             | NSYBP126     | NSY2SP126     | NSYSFD126      | NSYSFD126T                            | NSYTRIM6SF      | NSYMP126       |           |
|                         |           | 800       | 1            | NSYSFV12          | NSYSFC68                             | NSYBP126     | NSY2SP128     | NSYSFD126      | NSYSFD126T                            | NSYTRIM6SF      | NSYMP126       |           |
|                         | 800       | 400       | 1            | NSYSFV12          | NSYSFC84                             | NSYBP128     | NSY2SP124     | NSYSFD128      | NSYSFD128T                            | NSYTRIM8SF      | NSYMP128       |           |
|                         |           | 500       | 1            | NSYSFV12          | NSYSFC85                             | NSYBP128     | NSY2SP125     | NSYSFD128      | NSYSFD128T                            | NSYTRIM8SF      | NSYMP128       |           |
|                         |           | 600       | 1            | NSYSFV12          | NSYSFC86                             | NSYBP128     | NSY2SP126     | NSYSFD128      | NSYSFD128T                            | NSYTRIM8SF      | NSYMP128       |           |
|                         |           | 800       | 1            | NSYSFV12          | NSYSFC88                             | NSYBP128     | NSY2SP128     | NSYSFD128      | NSYSFD128T                            | NSYTRIM8SF      | NSYMP128       |           |
|                         | 1400      | 600       | 400          | 1                 | NSYSFV14                             | NSYSFC64     | NSYBP146      | NSY2SP144      | NSYSFD146                             | NSYSFD146T      | NSYTRIM6SF     | NSYMP146  |
|                         |           |           | 500          | 1                 | NSYSFV14                             | NSYSFC65     | NSYBP146      | NSY2SP145      | NSYSFD146                             | NSYSFD146T      | NSYTRIM6SF     | NSYMP146  |
|                         |           |           | 600          | 1                 | NSYSFV14                             | NSYSFC66     | NSYBP146      | NSY2SP146      | NSYSFD146                             | NSYSFD146T      | NSYTRIM6SF     | NSYMP146  |
|                         |           |           | 800          | 1                 | NSYSFV14                             | NSYSFC68     | NSYBP146      | NSY2SP148      | NSYSFD146                             | NSYSFD146T      | NSYTRIM6SF     | NSYMP146  |
| 800                     |           | 400       | 1            | NSYSFV14          | NSYSFC84                             | NSYBP148     | NSY2SP144     | NSYSFD148      | NSYSFD148T                            | NSYTRIM8SF      | NSYMP148       |           |
|                         |           | 500       | 1            | NSYSFV14          | NSYSFC85                             | NSYBP148     | NSY2SP145     | NSYSFD148      | NSYSFD148T                            | NSYTRIM8SF      | NSYMP148       |           |
|                         |           | 600       | 1            | NSYSFV14          | NSYSFC86                             | NSYBP148     | NSY2SP146     | NSYSFD148      | NSYSFD148T                            | NSYTRIM8SF      | NSYMP148       |           |
|                         |           | 800       | 1            | NSYSFV14          | NSYSFC88                             | NSYBP148     | NSY2SP148     | NSYSFD148      | NSYSFD148T                            | NSYTRIM8SF      | NSYMP148       |           |
| 1600                    | 600       | 400       | 1            | NSYSFV16          | NSYSFC64                             | NSYBP166     | NSY2SP164     | NSYSFD166      | NSYSFD166T                            | NSYTRIM6SF      | NSYMP166       |           |
|                         |           | 500       | 1            | NSYSFV16          | NSYSFC65                             | NSYBP166     | NSY2SP165     | NSYSFD166      | NSYSFD166T                            | NSYTRIM6SF      | NSYMP166       |           |
|                         |           | 600       | 1            | NSYSFV16          | NSYSFC66                             | NSYBP166     | NSY2SP166     | NSYSFD166      | NSYSFD166T                            | NSYTRIM6SF      | NSYMP166       |           |
|                         |           | 800       | 1            | NSYSFV16          | NSYSFC68                             | NSYBP166     | NSY2SP168     | NSYSFD166      | NSYSFD166T                            | NSYTRIM6SF      | NSYMP166       |           |
|                         | 800       | 400       | 1            | NSYSFV16          | NSYSFC84                             | NSYBP168     | NSY2SP164     | NSYSFD168      | NSYSFD168T                            | NSYTRIM8SF      | NSYMP168       |           |
|                         |           | 500       | 1            | NSYSFV16          | NSYSFC85                             | NSYBP168     | NSY2SP165     | NSYSFD168      | NSYSFD168T                            | NSYTRIM8SF      | NSYMP168       |           |
|                         |           | 600       | 1            | NSYSFV16          | NSYSFC86                             | NSYBP168     | NSY2SP166     | NSYSFD168      | NSYSFD168T                            | NSYTRIM8SF      | NSYMP168       |           |
|                         |           | 800       | 1            | NSYSFV16          | NSYSFC88                             | NSYBP168     | NSY2SP168     | NSYSFD168      | NSYSFD168T                            | NSYTRIM8SF      | NSYMP168       |           |
|                         | 1800      | 400       | 400          | 1                 | NSYSFV18                             | NSYSFC44     | NSYBP184      | NSY2SP184      | NSYSFD184                             | -               | NSYTRIM4SF     | -         |
|                         |           |           | 500          | 1                 | NSYSFV18                             | NSYSFC45     | NSYBP184      | NSY2SP185      | NSYSFD184                             | -               | NSYTRIM4SF     | -         |
|                         |           |           | 600          | 1                 | NSYSFV18                             | NSYSFC46     | NSYBP184      | NSY2SP186      | NSYSFD184                             | -               | NSYTRIM4SF     | -         |
|                         |           |           | 800          | 1                 | NSYSFV18                             | NSYSFC48     | NSYBP184      | NSY2SP188      | NSYSFD184                             | -               | NSYTRIM4SF     | -         |
| 600                     |           | 400       | 1            | NSYSFV18          | NSYSFC64                             | NSYBP186     | NSY2SP184     | NSYSFD186      | NSYSFD186T                            | NSYTRIM6SF      | NSYMP186       |           |
|                         |           | 500       | 1            | NSYSFV18          | NSYSFC65                             | NSYBP186     | NSY2SP185     | NSYSFD186      | NSYSFD186T                            | NSYTRIM6SF      | NSYMP186       |           |
|                         |           | 600       | 1            | NSYSFV18          | NSYSFC66                             | NSYBP186     | NSY2SP186     | NSYSFD186      | NSYSFD186T                            | NSYTRIM6SF      | NSYMP186       |           |
|                         |           | 800       | 1            | NSYSFV18          | NSYSFC68                             | NSYBP186     | NSY2SP188     | NSYSFD186      | NSYSFD186T                            | NSYTRIM6SF      | NSYMP186       |           |
| 800                     |           | 400       | 1            | NSYSFV18          | NSYSFC84                             | NSYBP188     | NSY2SP184     | NSYSFD188      | NSYSFD188T                            | NSYTRIM8SF      | NSYMP188       |           |
|                         |           | 500       | 1            | NSYSFV18          | NSYSFC85                             | NSYBP188     | NSY2SP185     | NSYSFD188      | NSYSFD188T                            | NSYTRIM8SF      | NSYMP188       |           |
|                         |           | 600       | 1            | NSYSFV18          | NSYSFC86                             | NSYBP188     | NSY2SP186     | NSYSFD188      | NSYSFD188T                            | NSYTRIM8SF      | NSYMP188       |           |
|                         |           | 800       | 2            | NSYSFV18          | NSYSFC86                             | NSYBP188     | NSY2SP186     | NSYSFD1882D    | -                                     | NSYTRIM8SF2D    | NSYMP188       |           |
| 1000                    |           | 400       | 400          | 1                 | NSYSFV18                             | NSYSFC88     | NSYBP188      | NSY2SP188      | NSYSFD188                             | NSYSFD188T      | NSYTRIM8SF     | NSYMP188  |
|                         |           |           | 800          | 2                 | NSYSFV18                             | NSYSFC88     | NSYBP188      | NSY2SP188      | NSYSFD1882D                           | -               | NSYTRIM8SF2D   | NSYMP188  |
|                         |           | 400       | 400          | 1                 | NSYSFV18                             | NSYSFC104    | NSYBP1810     | NSY2SP184      | NSYSFD1810                            | NSYSFD1810T     | NSYTRIM10SF    | NSYMP1810 |
|                         |           |           | 400          | 2                 | NSYSFV18                             | NSYSFC104    | NSYBP1810     | NSY2SP184      | NSYSFD18102D                          | -               | NSYTRIM10SF2D  | NSYMP1810 |
| 1200                    | 500       | 1         | NSYSFV18     | NSYSFC105         | NSYBP1810                            | NSY2SP185    | NSYSFD1810    | NSYSFD1810T    | NSYTRIM10SF                           | NSYMP1810       |                |           |
|                         |           | 1         | NSYSFV18     | NSYSFC106         | NSYBP1810                            | NSY2SP186    | NSYSFD1810    | NSYSFD1810T    | NSYTRIM10SF                           | NSYMP1810       |                |           |
|                         | 600       | 2         | NSYSFV18     | NSYSFC106         | NSYBP1810                            | NSY2SP186    | NSYSFD18102D  | -              | NSYTRIM10SF2D                         | NSYMP1810       |                |           |
|                         |           | 1         | NSYSFV18     | NSYSFC108         | NSYBP1810                            | NSY2SP188    | NSYSFD1810    | NSYSFD1810T    | NSYTRIM10SF                           | NSYMP1810       |                |           |
|                         | 800       | 2         | NSYSFV18     | NSYSFC108         | NSYBP1810                            | NSY2SP188    | NSYSFD18102D  | -              | NSYTRIM10SF2D                         | NSYMP1810       |                |           |
|                         |           | 2         | NSYSFV18     | NSYSFC124         | NSYBP1812                            | NSY2SP184    | NSYSFD18122D  | NSYSFD18122DT  | NSYTRIM12SF2D                         | NSYMP1812       |                |           |
|                         | 500       | 2         | NSYSFV18     | NSYSFC125         | NSYBP1812                            | NSY2SP185    | NSYSFD18122D  | NSYSFD18122DT  | NSYTRIM12SF2D                         | NSYMP1812       |                |           |
|                         |           | 600       | 2            | NSYSFV18          | NSYSFC126                            | NSYBP1812    | NSY2SP186     | NSYSFD18122D   | NSYSFD18122DT                         | NSYTRIM12SF2D   | NSYMP1812      |           |
| 800                     | 2         | NSYSFV18  | NSYSFC128    | NSYBP1812         | NSY2SP188                            | NSYSFD18122D | NSYSFD18122DT | NSYTRIM12SF2D  | NSYMP1812                             |                 |                |           |

(1) Hinges, locking bar catches and handle with 5-mm double-bar insert included.

# Selection guide

## Steel floor-standing enclosures

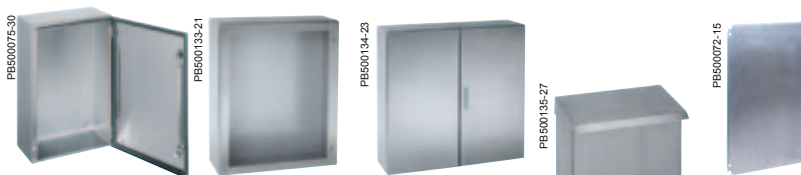


| Nominal dimensions (mm) |           |           | No. of doors | Vertical uprights | Bottom frame and top frame with roof | Rear panel | Side panels  | Plain door (1) | Transparent door (Securit® glass) (1) | Door Trim plate | Mounting plate |               |           |
|-------------------------|-----------|-----------|--------------|-------------------|--------------------------------------|------------|--------------|----------------|---------------------------------------|-----------------|----------------|---------------|-----------|
| Height (A)              | Width (B) | Depth (C) |              |                   |                                      |            |              |                |                                       |                 |                |               |           |
| 2000                    | 300       | 500       | 1            | NSYSFV20          | NSYSFC35                             | NSYBP203   | NSY2SP205    | NSYSFD203      | -                                     | NSYTRIM3SF      | -              |               |           |
|                         |           | 600       | 1            | NSYSFV20          | NSYSFC36                             | NSYBP203   | NSY2SP206    | NSYSFD203      | -                                     | NSYTRIM3SF      | -              |               |           |
|                         |           | 400       | 400          | 1                 | NSYSFV20                             | NSYSFC44   | NSYBP204     | NSY2SP204      | NSYSFD204                             | -               | NSYTRIM4SF     | -             |           |
|                         |           |           | 500          | 1                 | NSYSFV20                             | NSYSFC45   | NSYBP204     | NSY2SP205      | NSYSFD204                             | -               | NSYTRIM4SF     | -             |           |
|                         | 600       |           | 1            | NSYSFV20          | NSYSFC46                             | NSYBP204   | NSY2SP206    | NSYSFD204      | -                                     | NSYTRIM4SF      | -              |               |           |
|                         | 800       |           | 1            | NSYSFV20          | NSYSFC48                             | NSYBP204   | NSY2SP208    | NSYSFD204      | -                                     | NSYTRIM4SF      | -              |               |           |
|                         | 600       | 400       | 400          | 1                 | NSYSFV20                             | NSYSFC64   | NSYBP206     | NSY2SP204      | NSYSFD206                             | NSYSFD206T      | NSYTRIM6SF     | NSYMP206      |           |
|                         |           |           | 500          | 1                 | NSYSFV20                             | NSYSFC65   | NSYBP206     | NSY2SP205      | NSYSFD206                             | NSYSFD206T      | NSYTRIM6SF     | NSYMP206      |           |
|                         |           | 600       | 600          | 1                 | NSYSFV20                             | NSYSFC66   | NSYBP206     | NSY2SP206      | NSYSFD206                             | NSYSFD206T      | NSYTRIM6SF     | NSYMP206      |           |
|                         |           |           | 800          | 1                 | NSYSFV20                             | NSYSFC68   | NSYBP206     | NSY2SP208      | NSYSFD206                             | NSYSFD206T      | NSYTRIM6SF     | NSYMP206      |           |
|                         |           | 800       | 400          | 400               | 1                                    | NSYSFV20   | NSYSFC84     | NSYBP208       | NSY2SP204                             | NSYSFD208       | NSYSFD208T     | NSYTRIM8SF    | NSYMP208  |
|                         |           |           |              | 500               | 1                                    | NSYSFV20   | NSYSFC85     | NSYBP208       | NSY2SP205                             | NSYSFD208       | NSYSFD208T     | NSYTRIM8SF    | NSYMP208  |
|                         |           |           | 600          | 600               | 1                                    | NSYSFV20   | NSYSFC86     | NSYBP208       | NSY2SP206                             | NSYSFD208       | NSYSFD208T     | NSYTRIM8SF    | NSYMP208  |
|                         |           |           |              | 800               | 2                                    | NSYSFV20   | NSYSFC86     | NSYBP208       | NSY2SP206                             | NSYSFD2082D     | -              | NSYTRIM8SF2D  | NSYMP208  |
|                         | 1000      | 400       | 800          | 1                 | NSYSFV20                             | NSYSFC88   | NSYBP208     | NSY2SP208      | NSYSFD208                             | NSYSFD208T      | NSYTRIM8SF     | NSYMP208      |           |
|                         |           |           | 800          | 2                 | NSYSFV20                             | NSYSFC88   | NSYBP208     | NSY2SP208      | NSYSFD2082D                           | -               | NSYTRIM8SF2D   | NSYMP208      |           |
|                         |           | 400       | 400          | 1                 | NSYSFV20                             | NSYSFC104  | NSYBP2010    | NSY2SP204      | NSYSFD2010                            | NSYSFD2010T     | NSYTRIM10SF    | NSYMP2010     |           |
|                         |           |           | 400          | 2                 | NSYSFV20                             | NSYSFC104  | NSYBP2010    | NSY2SP204      | NSYSFD20102D                          | -               | NSYTRIM10SF2D  | NSYMP2010     |           |
|                         |           | 500       | 500          | 1                 | NSYSFV20                             | NSYSFC105  | NSYBP2010    | NSY2SP205      | NSYSFD2010                            | NSYSFD2010T     | NSYTRIM10SF    | NSYMP2010     |           |
|                         |           |           | 500          | 2                 | NSYSFV20                             | NSYSFC105  | NSYBP2010    | NSY2SP205      | NSYSFD20102D                          | -               | NSYTRIM10SF2D  | NSYMP2010     |           |
|                         |           | 600       | 600          | 600               | 1                                    | NSYSFV20   | NSYSFC106    | NSYBP2010      | NSY2SP206                             | NSYSFD2010      | NSYSFD2010T    | NSYTRIM10SF   | NSYMP2010 |
|                         |           |           |              | 600               | 2                                    | NSYSFV20   | NSYSFC106    | NSYBP2010      | NSY2SP206                             | NSYSFD20102D    | -              | NSYTRIM10SF2D | NSYMP2010 |
|                         | 800       |           | 800          | 1                 | NSYSFV20                             | NSYSFC108  | NSYBP2010    | NSY2SP208      | NSYSFD2010                            | NSYSFD2010T     | NSYTRIM10SF    | NSYMP2010     |           |
|                         |           |           | 800          | 2                 | NSYSFV20                             | NSYSFC108  | NSYBP2010    | NSY2SP208      | NSYSFD20102D                          | -               | NSYTRIM10SF2D  | NSYMP2010     |           |
| 1200                    | 400       | 400       | 2            | NSYSFV20          | NSYSFC124                            | NSYBP2012  | NSY2SP204    | NSYSFD20122D   | NSYSFD20122DT                         | NSYTRIM12SF2D   | NSYMP2012      |               |           |
|                         |           | 500       | 2            | NSYSFV20          | NSYSFC125                            | NSYBP2012  | NSY2SP205    | NSYSFD20122D   | NSYSFD20122DT                         | NSYTRIM12SF2D   | NSYMP2012      |               |           |
|                         | 600       | 600       | 2            | NSYSFV20          | NSYSFC126                            | NSYBP2012  | NSY2SP206    | NSYSFD20122D   | NSYSFD20122DT                         | NSYTRIM12SF2D   | NSYMP2012      |               |           |
|                         |           | 800       | 2            | NSYSFV20          | NSYSFC128                            | NSYBP2012  | NSY2SP208    | NSYSFD20122D   | NSYSFD20122DT                         | NSYTRIM12SF2D   | NSYMP2012      |               |           |
| 1600                    | 400       | 2         | NSYSFV20     | NSYSFC164         | NSYBP2016                            | NSY2SP204  | NSYSFD20162D | -              | NSYTRIM16SF2D                         | NSYMP2016       |                |               |           |
|                         | 500       | 2         | NSYSFV20     | NSYSFC165         | NSYBP2016                            | NSY2SP205  | NSYSFD20162D | -              | NSYTRIM16SF2D                         | NSYMP2016       |                |               |           |
| 2200                    | 400       | 600       | 2            | NSYSFV20          | NSYSFC166                            | NSYBP2016  | NSY2SP206    | NSYSFD20162D   | -                                     | NSYTRIM16SF2D   | NSYMP2016      |               |           |
|                         |           | 400       | 1            | NSYSFV22          | NSYSFC44                             | NSYBP224   | NSY2SP224    | NSYSFD224      | -                                     | NSYTRIM4SF      | -              |               |           |
|                         |           | 500       | 1            | NSYSFV22          | NSYSFC45                             | NSYBP224   | NSY2SP225    | NSYSFD224      | -                                     | NSYTRIM4SF      | -              |               |           |
|                         |           | 600       | 1            | NSYSFV22          | NSYSFC46                             | NSYBP224   | NSY2SP226    | NSYSFD224      | -                                     | NSYTRIM4SF      | -              |               |           |
|                         | 600       | 800       | 800          | 1                 | NSYSFV22                             | NSYSFC48   | NSYBP224     | NSY2SP228      | NSYSFD224                             | -               | NSYTRIM4SF     | -             |           |
|                         |           |           | 400          | 1                 | NSYSFV22                             | NSYSFC64   | NSYBP226     | NSY2SP224      | NSYSFD226                             | NSYSFD226T      | NSYTRIM6SF     | NSYMP226      |           |
|                         |           | 500       | 500          | 1                 | NSYSFV22                             | NSYSFC65   | NSYBP226     | NSY2SP225      | NSYSFD226                             | NSYSFD226T      | NSYTRIM6SF     | NSYMP226      |           |
|                         |           |           | 600          | 1                 | NSYSFV22                             | NSYSFC66   | NSYBP226     | NSY2SP226      | NSYSFD226                             | NSYSFD226T      | NSYTRIM6SF     | NSYMP226      |           |
|                         | 800       | 800       | 800          | 1                 | NSYSFV22                             | NSYSFC68   | NSYBP226     | NSY2SP228      | NSYSFD226                             | NSYSFD226T      | NSYTRIM6SF     | NSYMP226      |           |
|                         |           |           | 400          | 1                 | NSYSFV22                             | NSYSFC84   | NSYBP228     | NSY2SP224      | NSYSFD228                             | NSYSFD228T      | NSYTRIM8SF     | NSYMP228      |           |
|                         |           | 500       | 500          | 1                 | NSYSFV22                             | NSYSFC85   | NSYBP228     | NSY2SP225      | NSYSFD228                             | NSYSFD228T      | NSYTRIM8SF     | NSYMP228      |           |
|                         |           |           | 600          | 1                 | NSYSFV22                             | NSYSFC86   | NSYBP228     | NSY2SP226      | NSYSFD228                             | NSYSFD228T      | NSYTRIM8SF     | NSYMP228      |           |
|                         | 1000      | 800       | 800          | 1                 | NSYSFV22                             | NSYSFC88   | NSYBP228     | NSY2SP228      | NSYSFD228                             | NSYSFD228T      | NSYTRIM8SF     | NSYMP228      |           |
|                         |           |           | 400          | 1                 | NSYSFV22                             | NSYSFC104  | NSYBP2210    | NSY2SP224      | NSYSFD2210                            | NSYSFD2210T     | NSYTRIM10SF    | NSYMP2210     |           |
|                         |           | 500       | 500          | 1                 | NSYSFV22                             | NSYSFC105  | NSYBP2210    | NSY2SP225      | NSYSFD2210                            | NSYSFD2210T     | NSYTRIM10SF    | NSYMP2210     |           |
|                         |           |           | 600          | 1                 | NSYSFV22                             | NSYSFC106  | NSYBP2210    | NSY2SP226      | NSYSFD2210                            | NSYSFD2210T     | NSYTRIM10SF    | NSYMP2210     |           |
|                         | 1200      | 800       | 800          | 1                 | NSYSFV22                             | NSYSFC108  | NSYBP2210    | NSY2SP228      | NSYSFD2210                            | NSYSFD2210T     | NSYTRIM10SF    | NSYMP2210     |           |
|                         |           |           | 400          | 2                 | NSYSFV22                             | NSYSFC124  | NSYBP2212    | NSY2SP224      | NSYSFD22122D                          | NSYSFD22122DT   | NSYTRIM12SF2D  | NSYMP2212     |           |
|                         |           | 500       | 500          | 2                 | NSYSFV22                             | NSYSFC125  | NSYBP2212    | NSY2SP225      | NSYSFD22122D                          | NSYSFD22122DT   | NSYTRIM12SF2D  | NSYMP2212     |           |
|                         |           |           | 600          | 2                 | NSYSFV22                             | NSYSFC126  | NSYBP2212    | NSY2SP226      | NSYSFD22122D                          | NSYSFD22122DT   | NSYTRIM12SF2D  | NSYMP2212     |           |
|                         | 800       | 800       | 800          | 2                 | NSYSFV22                             | NSYSFC128  | NSYBP2212    | NSY2SP228      | NSYSFD22122D                          | NSYSFD22122DT   | NSYTRIM12SF2D  | NSYMP2212     |           |

(1) Hinges, locking bar catches and handle with 5-mm double-bar insert included.

# Selection guide

## Stainless-steel wall-mounting enclosures



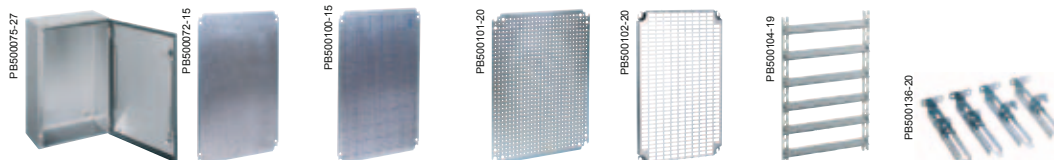
| Dimensions (mm) |       |       | No. of locks | No. of doors | 304L stainless-steel |               | 316L stainless-steel | 304L stainless-steel canopy | Plain mounting plate*** |
|-----------------|-------|-------|--------------|--------------|----------------------|---------------|----------------------|-----------------------------|-------------------------|
| Height          | Width | Depth |              |              | Plain door           | Glazed door** | Plain door           |                             |                         |
| 300             | 200   | 150   | 1            | 1            | NSYS3X3215           | -             | NSYS3X3215H          | NSYTX2015                   | NSYMM32                 |
|                 | 250   | 150   | 1            | 1            | NSYS3X302515         | -             | NSYS3X302515H        | NSYTX2515                   | NSYMM3025               |
|                 | 300   | 150   | 1            | 1            | NSYS3X3315           | -             | NSYS3X3315H          | NSYTX3015                   | NSYMM33                 |
| 400             | 300   | 150   | 1            | 1            | NSYS3X4315           | -             | NSYS3X4315H          | NSYTX3015                   | NSYMM43                 |
|                 |       | 200   | 1            | 1            | NSYS3X4320           | NSYS3X4320T   | NSYS3X4320H          | NSYTX3020                   | NSYMM43                 |
|                 | 400   | 200   | 1            | 1            | NSYS3X4420           | -             | NSYS3X4420H          | NSYTX4020                   | NSYMM44                 |
|                 | 600   | 200   | 1            | 1            | NSYS3X4620           | -             | NSYS3X4620H          | NSYTX6020                   | NSYMM64                 |
| 500             | 400   | 200   | 2            | 1            | NSYS3X5420           | NSYS3X5420T   | NSYS3X5420H          | NSYTX4020                   | NSYMM54                 |
| 600             | 400   | 200   | 2            | 1            | NSYS3X6420           | NSYS3X6420T   | NSYS3X6420H          | NSYTX4020                   | NSYMM64                 |
|                 | 600   | 250   | 2            | 1            | NSYS3X6625           | -             | NSYS3X6625H          | NSYTX6025                   | NSYMM66                 |
|                 | 1000  | 300   | 1            | 2            | NSYS3X601030         | -             | -                    | -                           | -                       |
|                 | 1200  | 300   | 1            | 2            | NSYS3X601230         | -             | -                    | NSYTX12030                  | -                       |
| 700             | 500   | 250   | 2            | 1            | NSYS3X7525           | NSYS3X7525T   | NSYS3X7525H          | NSYTX5025                   | NSYMM75                 |
| 800             | 600   | 250   | 2            | 1            | NSYS3X8625           | NSYS3X8625T   | NSYS3X8625H          | NSYTX6025                   | NSYMM86                 |
|                 | 800   | 300   | 2            | 1            | NSYS3X8830           | -             | NSYS3X8830H          | NSYTX8030                   | NSYMM88                 |
|                 | 1000  | 300   | 1            | 2            | NSYS3X801030         | -             | -                    | -                           | -                       |
|                 | 1200  | 300   | 1            | 2            | NSYS3X801230         | -             | -                    | NSYTX12030                  | -                       |
| 1000            | 800   | 300   | 2            | 1            | NSYS3X10830          | NSYS3X10830T  | NSYS3X10830H         | NSYTX8030                   | NSYMM108                |
|                 | 1000  | 300   | *            | 2            | NSYS3X101030         | -             | NSYS3X101030H        | NSYTX10030                  | NSYMM1010               |
| 1200            | 800   | 300   | 2            | 1            | NSYS3X12830          | -             | NSYS3X12830H         | NSYTX8030                   | NSYMM128                |
|                 | 1000  | 300   | *            | 2            | NSYS3X121030         | -             | NSYS3X121030H        | NSYTX10030                  | NSYMM1210               |

\* Three-point closure system.

\*\* The glazed door has no reinforcement.

\*\*\* See other mounting plates in common accessoires.

### Selection guide for wall-mounting enclosures and main accessories



| Dimensions (mm) |       |       | Enclosure     | Mounting plate reference |              |                 |           | DIN rail chassis | Step slides |
|-----------------|-------|-------|---------------|--------------------------|--------------|-----------------|-----------|------------------|-------------|
| Height          | Width | Depth | References    | Plain                    | Silkscreened | Microperforated | Telequick |                  |             |
| 300             | 200   | 150   | NSYS3XEX3215  | NSYMM32                  | -            | NSYMF32         | NSYMR32   | -                | -           |
| 400             | 300   | 200   | NSYS3XEX4320  | NSYMM43                  | NSYMS43      | NSYMF43         | NSYMR43   | NSYMD43          | NSYSDCR200  |
| 500             | 400   | 200   | NSYS3XEX5420  | NSYMM54                  | NSYMS54      | NSYMF54         | NSYMR54   | NSYMD54          | NSYSDCR200  |
| 600             | 400   | 200   | NSYS3XEX6420  | NSYMM64                  | NSYMS64      | NSYMF64         | NSYMR64   | NSYMD64          | NSYSDCR200  |
| 700             | 500   | 250   | NSYS3XEX7525  | NSYMM75                  | NSYMS75      | NSYMF75         | NSYMR75   | NSYMD75          | NSYSDCR250  |
| 800             | 600   | 250   | NSYS3XEX8625  | NSYMM86                  | NSYMS86      | NSYMF86         | NSYMR86   | NSYMD86          | NSYSDCR250  |
| 1000            | 800   | 300   | NSYS3XEX10830 | NSYMM108                 | -            | NSYMF108        | NSYMR108  | NSYMD108         | NSYSDCR300  |

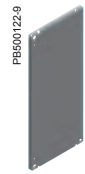
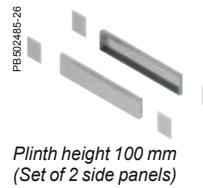
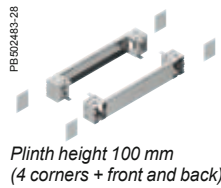


# Selection guide

## Stainless-steel floor-standing enclosures



### Stainless-steel floor-standing monobloc



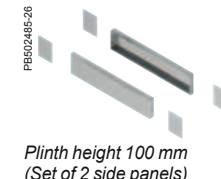
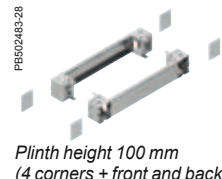
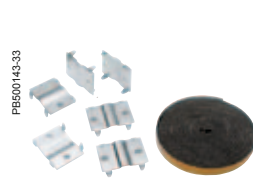
| Dimensions (mm) |       |       | Number of front doors | Stainless-steel floor-standing enclosure 304L / 316L* | Brushed 304L / 316L* stainless-steel plinth height 100 mm** |                      | Brushed 304L / 316L* stainless-steel plinth height 200 mm** |                           | Plain mounting plate*** |
|-----------------|-------|-------|-----------------------|-------------------------------------------------------|-------------------------------------------------------------|----------------------|-------------------------------------------------------------|---------------------------|-------------------------|
| Height          | Width | Depth |                       |                                                       | Kit (4 corners + front and back)                            | Set of 2 side panels | Kit (4 corners + front and back)                            | Set of 2 side panels (x2) |                         |
| 1400            | 1000  | 300   | 2                     | NSYSMX141030                                          | NSYSFPX10100                                                | NSYSPSX3100          | NSYSFPX10200                                                | NSYSPSX3200               | NSYMP1410               |
| 1600            | 800   | 400   | 1                     | NSYSMX16840                                           | NSYSFPX8100                                                 | NSYSPSX4100          | NSYSFPX8200                                                 | NSYSPSX4200               | NSYMP168                |
| 1800            | 600   | 400   | 1                     | NSYSMX18640                                           | -                                                           | NSYSPSX4100          | -                                                           | NSYSPSX4200               | NSYMP186                |
|                 | 800   | 400   | 1                     | NSYSMX18840*                                          | NSYSFPX8100                                                 | NSYSPSX4100          | NSYSFPX8200                                                 | NSYSPSX4200               | NSYMP188                |
|                 | 1200  | 400   | 2                     | NSYSMX181240*                                         | NSYSFPX12100                                                | NSYSPSX4100          | NSYSFPX12200                                                | NSYSPSX4200               | NSYMP1812               |
|                 | 1600  | 400   | 2                     | NSYSMX181640*                                         | NSYSFPX16100                                                | NSYSPSX4100          | NSYSFPX16200                                                | NSYSPSX4200               | NSYMP1816               |
| 2000            | 800   | 500   | 1                     | NSYSMX20850                                           | NSYSFPX8100                                                 | NSYSPSX5100          | NSYSFPX8200                                                 | NSYSPSX5200               | NSYMP208                |
|                 | 1000  | 400   | 2                     | NSYSMX201040*                                         | NSYSFPX10100                                                | NSYSPSX4100          | NSYSFPX10200                                                | NSYSPSX4200               | NSYMP2010               |
|                 | 1200  | 500   | 2                     | NSYSMX201250*                                         | NSYSFPX12100                                                | NSYSPSX5100          | NSYSFPX12200                                                | NSYSPSX5200               | NSYMP2012               |
|                 | 1600  | 600   | 2                     | NSYSMX201660*                                         | NSYSFPX16100                                                | NSYSPSX6100          | NSYSFPX16200                                                | NSYSPSX6200               | NSYMP2016               |

\* For version in AISI 316L stainless steel, add the lettre H to the end of the reference. Example NSYSMX18840H.

\*\* See section on stainless-steel composition accessories. - \*\*\* See other mounting plates in common accessories.



### Stainless-steel floor-standing suitable



| Dimensions (mm) |      |     | No. of front doors | References in 304L stainless steel (1) |                      |                      | Brushed 304L / 316L* stainless-steel plinth height 100 mm (2) |                      | Brushed 304L / 316L* stainless-steel plinth height 200 mm (2) |                                | Plain mounting plate (3) |
|-----------------|------|-----|--------------------|----------------------------------------|----------------------|----------------------|---------------------------------------------------------------|----------------------|---------------------------------------------------------------|--------------------------------|--------------------------|
| H               | W    | D   |                    | Suitable enclosure                     | Set of 2 side panels | Coupling kit         | Kit (4 corners + front and back)                              | Set of 2 side panels | Kit (4 corners + front and back)                              | Side Set of 2 side panels (x2) |                          |
| 1800            | 600  | 400 | 1                  | NSYSFX18640                            | NSY2SPX184           | NSYSFBK19 + NSYSFXJG | NSYSFPX6100**                                                 | NSYSPSX4100SF        | NSYSFPX6200**                                                 | NSYSPSX4200SF                  | NSYMP186                 |
|                 | 800  | 400 | 1                  | NSYSFX18840                            | NSY2SPX184           | NSYSFBK19 + NSYSFXJG | NSYSFPX8100                                                   | NSYSPSX4100SF        | NSYSFPX8200                                                   | NSYSPSX4200SF                  | NSYMP188                 |
|                 | 1200 | 400 | 2                  | NSYSFX181240                           | NSY2SPX184           | NSYSFBK19 + NSYSFXJG | NSYSFPX12100                                                  | NSYSPSX4100SF        | NSYSFPX12200                                                  | NSYSPSX4200SF                  | NSYMP1812                |
| 2000            | 600  | 500 | 1                  | NSYSFX20650                            | NSY2SPX205           | NSYSFBK19 + NSYSFXJG | NSYSFPX6100**                                                 | NSYSPSX5100SF        | NSYSFPX6200**                                                 | NSYSPSX5200SF                  | NSYMP206                 |
|                 | 800  | 400 | 1                  | NSYSFX20840                            | NSY2SPX204           | NSYSFBK19 + NSYSFXJG | NSYSFPX8100                                                   | NSYSPSX4100SF        | NSYSFPX8200                                                   | NSYSPSX4200SF                  | NSYMP208                 |
|                 | 600  | 1   | NSYSFX20860        | NSY2SPX206                             | NSYSFBK19 + NSYSFXJG | NSYSFPX8100          | NSYSPSX6100SF                                                 | NSYSFPX8200          | NSYSPSX6200SF                                                 | NSYMP208                       |                          |
|                 | 1000 | 600 | 2                  | NSYSFX201060                           | NSY2SPX206           | NSYSFBK19 + NSYSFXJG | NSYSFPX10100                                                  | NSYSPSX6100SF        | NSYSFPX10200                                                  | NSYSPSX6200SF                  | NSYMP2010                |
|                 | 1200 | 600 | 2                  | NSYSFX201260                           | NSY2SPX206           | NSYSFBK19 + NSYSFXJG | NSYSFPX12100                                                  | NSYSPSX6100SF        | NSYSFPX12200                                                  | NSYSPSX6200SF                  | NSYMP2012                |

(1) 316L stainless-steel enclosures on request. - (2) See section on stainless-steel composition accessories. - (3) See other mounting plates in common accessories.

\* For version in AISI 316L stainless steel, add the lettre H to the end of the reference and delete the SF termination. Example NSYSFPX8100H. - \*\* Only for 304L.



### Stainless-steel floor-standing suitable



| Dimensions (mm) |       |       | References | Number of front doors | 316L stainless-steel plinth, height 100 mm (1) |              | 316L stainless-steel plinth, height 200 mm (1) |                  | Plain mounting plate (2) |
|-----------------|-------|-------|------------|-----------------------|------------------------------------------------|--------------|------------------------------------------------|------------------|--------------------------|
| Height          | Width | Depth |            |                       | Front and rear                                 | side panels  | Front and rear                                 | side panels      |                          |
| 1000            | 600   | 500   | NSYS DX6   | 1                     | NSYSFPX6100H                                   | NSYSPSX5100H | NSYSFPX6200H                                   | 2 x NSYSPSX5100H | NSYPMP8560               |
|                 | 800   | 500   | NSYS DX8   | 1                     | NSYSFPX8100H                                   | NSYSPSX5100H | NSYSFPX8200H                                   | 2 x NSYSPSX5100H | NSYPMP8580               |
|                 | 1000  | 500   | NSYS DX10  | 2                     | NSYSFPX10100H                                  | NSYSPSX5100H | NSYSFPX10200H                                  | 2 x NSYSPSX5100H | NSYPMP85100              |
|                 | 1200  | 500   | NSYS DX12  | 2                     | NSYSFPX12100H                                  | NSYSPSX5100H | NSYSFPX12200H                                  | 2 x NSYSPSX5100H | NSYPMP85120              |

(1) See section on stainless-steel composition accessories. - (2) See other mounting plates in common accessories.

**[!]** Stainless-steel plinths compatible with steel offer.

# Selection guide

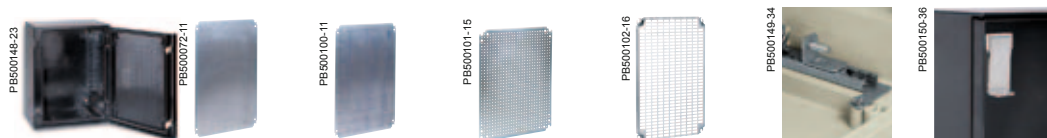
## Polyester wall-mounting enclosures

### Polyester wall-mounting enclosures IP66



| Dimensions (mm) |       |       | ABS/PC wall-mounting enclosures IP66 |              | Polyester wall-mounting enclosures IP66 |              |                            |                              |
|-----------------|-------|-------|--------------------------------------|--------------|-----------------------------------------|--------------|----------------------------|------------------------------|
| Height          | Width | Depth | Plain door                           | Transp. door | Plain door                              | Transp. door | Plain door 3-point closure | Transp. door 3-point closure |
| Page 167        |       |       |                                      |              |                                         |              |                            |                              |
| 310             | 215   | 160   | NSYPLM32                             | NSYPLM32T    | -                                       | -            | -                          | -                            |
| 308             | 255   | 160   | -                                    | -            | NSYPLM3025                              | NSYPLM3025T  | -                          | -                            |
| 430             | 330   | 200   | -                                    | -            | NSYPLM43                                | NSYPLM43T    | NSYPLM43V                  | NSYPLM43TV                   |
| 530             | 430   | 200   | -                                    | -            | NSYPLM54                                | NSYPLM54T    | NSYPLM54V                  | NSYPLM54TV                   |
| 647             | 436   | 250   | -                                    | -            | NSYPLM64                                | NSYPLM64T    | NSYPLM64V                  | NSYPLM64TV                   |
| 747             | 536   | 300   | -                                    | -            | NSYPLM75                                | NSYPLM75T    | NSYPLM75V                  | NSYPLM75TV                   |
| 847             | 636   | 300   | -                                    | -            | NSYPLM86                                | NSYPLM86T    | NSYPLM86V                  | NSYPLM86TV                   |
| 1056            | 852   | 350   | -                                    | -            | NSYPLM108                               | NSYPLM108T   | -                          | -                            |

### Polyester wall-mounting PLMEX and accessories



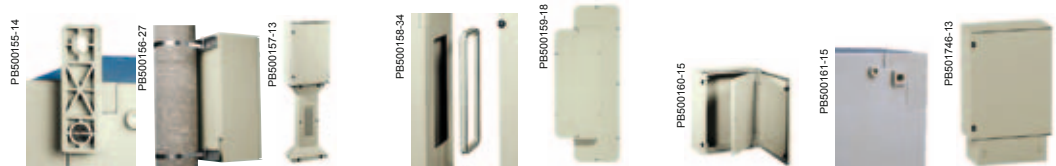
| Dimensions (mm) |       |       | ATEX solution | Metallic mounting plate |              |                 |           | Step slides | Padlocking |
|-----------------|-------|-------|---------------|-------------------------|--------------|-----------------|-----------|-------------|------------|
| Height          | Width | Depth | References    | Plain                   | Silkscreened | Microperforated | Telequick | References  |            |
| 308             | 255   | 160   | NSYPLMEX3025  | NSYMM3025               | -            | -               | NSYMR3025 | -           | -          |
| 430             | 330   | 200   | NSYPLMEX43    | NSYMM43                 | NSYMS43      | NSYMF43         | NSYMR43   | NSYDPLM200  | NSYKPLM    |
| 530             | 430   | 200   | NSYPLMEX54    | NSYMM54                 | NSYMS54      | NSYMF54         | NSYMR54   | NSYDPLM200  | NSYKPLM    |
| 647             | 436   | 250   | NSYPLMEX64    | NSYMM64                 | NSYMS64      | NSYMF64         | NSYMR64   | NSYDPLM250  | NSYKPLM    |
| 747             | 536   | 300   | NSYPLMEX75    | NSYMM75                 | NSYMS75      | NSYMF75         | NSYMR75   | NSYDPLM300  | NSYKPLM    |
| 847             | 636   | 300   | NSYPLMEX86    | NSYMM86                 | NSYMS86      | NSYMF86         | NSYMR86   | NSYDPLM300  | NSYKPLM    |
| 1056            | 852   | 350   | NSYPLMEX108   | NSYMM108                | -            | NSYMF108        | NSYMR108  | NSYDPLM350  | NSYBCPL    |

### Mounting accessories



| Dimensions (mm) |       |       | Metallic mounting plates |              |                 |           | Insulating mounting plates |            | Modular distribution chassis | Step slides | Symmetrical DIN rail |
|-----------------|-------|-------|--------------------------|--------------|-----------------|-----------|----------------------------|------------|------------------------------|-------------|----------------------|
| Height          | Width | Depth | Plain                    | Silkscreened | Microperforated | Telequick | Bakelite                   | Polyester  |                              |             |                      |
|                 |       |       | Page 214                 |              |                 |           | Page 215                   |            | Page 178                     | Page 176    |                      |
| 310             | 215   | 160   | NSYMM32                  | -            | -               | NSYMR32   | NSYMB32                    | NSYMPP32   | -                            | -           | NSYCS200PLM          |
| 308             | 255   | 160   | NSYMM3025                | -            | -               | NSYMR3025 | NSYMB3025                  | NSYMPP3025 | NSYDLPLM18                   | -           | -                    |
| 430             | 330   | 200   | NSYMM43                  | NSYMS43      | NSYMF43         | NSYMR43   | NSYMB43                    | NSYMPP43   | NSYDLA24                     | NSYDPLM200  | NSYCS300PLM          |
| 530             | 430   | 200   | NSYMM54                  | NSYMS54      | NSYMF54         | NSYMR54   | NSYMB54                    | NSYMPP54   | NSYDLA48                     | NSYDPLM200  | NSYCS400PLM          |
| 647             | 436   | 250   | NSYMM64                  | NSYMS46      | NSYMF64         | NSYMR64   | NSYMB64                    | NSYMPP64   | NSYDLA48P                    | NSYDPLM250  | NSYCS400PLM          |
| 747             | 536   | 300   | NSYMM75                  | NSYMS75      | NSYMF75         | NSYMR75   | NSYMB75                    | NSYMPP75   | NSYDLA66 and NSYDLA88        | NSYDPLM300  | NSYCS500PLM          |
| 847             | 636   | 300   | NSYMM86                  | NSYMS86      | NSYMF86         | NSYMR86   | NSYMB86                    | NSYMPP86   | NSYDLA84 and NSYDLA112       | NSYDPLM300  | NSYCS600PLM          |
| 1056            | 852   | 350   | NSYMM108                 | -            | NSYMF108        | NSYMR108  | NSYMB108                   | NSYMPP108  | NSYDLA234                    | NSYDPLM350  | NSYCS800PLM          |

### Main accessories



| Dimensions (mm) |     |     | Fixing lugs | Post-fixing device | Floor-mounting pillar | Coupling frame | Cable-gland plate | Internal door | Blanking plates | Plinth ZM RAL 7032 |
|-----------------|-----|-----|-------------|--------------------|-----------------------|----------------|-------------------|---------------|-----------------|--------------------|
|                 |     |     | Page 172    |                    |                       | Page 173       |                   |               | Page 172        | Page 171           |
| 310             | 215 | 160 | NSYPFPLM32  | -                  | -                     | -              | -                 | -             | NSYCEPLMA       | -                  |
| 308             | 255 | 160 | NSYPFPLM    | -                  | -                     | -              | -                 | NSYPA3025PLM  | -               | -                  |
| 430             | 330 | 200 | NSYPFPLM    | NSYSFP300          | -                     | -              | -                 | NSYPAP43      | NSYCEPLMB       | -                  |
| 530             | 430 | 200 | NSYPFPLM    | NSYSFP400          | NSYSFSPLM             | -              | -                 | NSYPAP54      | NSYCEPLMB       | -                  |
| 647             | 436 | 250 | NSYPFPLM    | NSYSFP400          | NSYSFSPLM             | -              | -                 | NSYPAP64      | NSYCEPLMC       | -                  |
| 747             | 536 | 300 | NSYPFPLM    | NSYSFP500          | -                     | NSYBUPLM       | NSYTLA4420        | NSYPAP75      | NSYCEPLMC       | NSYZM253           |
| 847             | 636 | 300 | NSYPFPLM    | NSYSFP600          | -                     | NSYBUPLM       | NSYTLA4420        | NSYPAP86      | NSYCEPLMC       | NSYZM263           |
| 1056            | 852 | 350 | NSYPFPLM    | -                  | -                     | NSYBU108PLM    | NSYTLA6420        | NSYPAP108     | -               | NSYZM283           |

#### Water drain plug



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#### Rail-fixing nuts



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#### Ventilation louvre



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# Selection guide

## Polyester floor-standing enclosures



| Dimensions (mm)                    |           |           |             | Completely sealed enclosures, IP65 |              | Enclosures with plinth-type open bottom part, IP54 |
|------------------------------------|-----------|-----------|-------------|------------------------------------|--------------|----------------------------------------------------|
| References of enclosures with door |           |           |             |                                    |              |                                                    |
| Height (A)                         | Width (B) | Depth (C) | N° of doors | Plain                              | Glazed       | Plain                                              |
| 500                                | 500       | 320       | 1           | NSYPLA553                          | NSYPLA553T   | NSYPLAZ553                                         |
|                                    |           | 420       | 1           | NSYPLA554                          | NSYPLA554T   | NSYPLAZ554                                         |
|                                    | 750       | 320       | 1           | NSYPLA573                          | NSYPLA573T   | NSYPLAZ573                                         |
|                                    |           | 420       | 1           | NSYPLA574                          | NSYPLA574T   | NSYPLAZ574                                         |
|                                    | 1000      | 320       | 2           | NSYPLA5103                         | NSYPLA5103T  | NSYPLAZ5103                                        |
|                                    |           | 420       | 2           | NSYPLA5104                         | NSYPLA5104T  | NSYPLAZ5104                                        |
|                                    | 1250      | 320       | 2           | NSYPLA5123                         | NSYPLA5123T  | NSYPLAZ5123                                        |
|                                    |           | 420       | 2           | NSYPLA5124                         | NSYPLA5124T  | NSYPLAZ5124                                        |
| 750                                | 500       | 320       | 1           | NSYPLA753                          | NSYPLA753T   | NSYPLAZ753                                         |
|                                    |           | 420       | 1           | NSYPLA754                          | NSYPLA754T   | NSYPLAZ754                                         |
|                                    | 750       | 320       | 1           | NSYPLA773                          | NSYPLA773T   | NSYPLAZ773                                         |
|                                    |           | 420       | 1           | NSYPLA774                          | NSYPLA774T   | NSYPLAZ774                                         |
|                                    | 1000      | 320       | 2           | NSYPLA7103                         | NSYPLA7103T  | NSYPLAZ7103                                        |
|                                    |           | 420       | 2           | NSYPLA7104                         | NSYPLA7104T  | NSYPLAZ7104                                        |
|                                    | 1250      | 320       | 2           | NSYPLA7123                         | NSYPLA7123T  | NSYPLAZ7123                                        |
|                                    |           | 420       | 2           | NSYPLA7124                         | NSYPLA7124T  | NSYPLAZ7124                                        |
| 1000                               | 500       | 320       | 1           | NSYPLA1053                         | NSYPLA1053T  | NSYPLAZ1053                                        |
|                                    |           | 420       | 1           | NSYPLA1054                         | NSYPLA1054T  | NSYPLAZ1054                                        |
|                                    | 750       | 320       | 1           | NSYPLA1073                         | NSYPLA1073T  | NSYPLAZ1073                                        |
|                                    |           | 420       | 1           | NSYPLA1074                         | NSYPLA1074T  | NSYPLAZ1074                                        |
|                                    | 1000      | 320       | 2           | NSYPLA10103                        | NSYPLA10103T | NSYPLAZ10103                                       |
|                                    |           | 420       | 2           | NSYPLA10104                        | NSYPLA10104T | NSYPLAZ10104                                       |
|                                    | 1250      | 320       | 2           | NSYPLA10123                        | NSYPLA10123T | NSYPLAZ10123                                       |
|                                    |           | 420       | 2           | NSYPLA10124                        | NSYPLA10124T | NSYPLAZ10124                                       |
| 1250                               | 500       | 320       | 1           | NSYPLA1253                         | NSYPLA1253T  | NSYPLAZ1253                                        |
|                                    |           | 420       | 1           | NSYPLA1254                         | NSYPLA1254T  | NSYPLAZ1254                                        |
|                                    | 750       | 320       | 1           | NSYPLA1273                         | NSYPLA1273T  | NSYPLAZ1273                                        |
|                                    |           | 420       | 1           | NSYPLA1274                         | NSYPLA1274T  | NSYPLAZ1274                                        |
|                                    | 1000      | 320       | 2           | NSYPLA12103                        | NSYPLA12103T | NSYPLAZ12103                                       |
|                                    |           | 420       | 2           | NSYPLA12104                        | NSYPLA12104T | NSYPLAZ12104                                       |
|                                    | 1250      | 320       | 2           | NSYPLA12123                        | NSYPLA12123T | NSYPLAZ12123                                       |
|                                    |           | 420       | 2           | NSYPLA12124                        | NSYPLA12124T | NSYPLAZ12124                                       |
| 1500                               | 500       | 320       | 1           | NSYPLA1553                         | NSYPLA1553T  | NSYPLAZ1553                                        |
|                                    |           | 420       | 1           | NSYPLA1554                         | NSYPLA1554T  | NSYPLAZ1554                                        |
|                                    | 750       | 320       | 1           | NSYPLA1573                         | NSYPLA1573T  | NSYPLAZ1573                                        |
|                                    |           | 420       | 1           | NSYPLA1574                         | NSYPLA1574T  | NSYPLAZ1574                                        |
|                                    | 1000      | 320       | 2           | NSYPLA15103                        | NSYPLA15103T | NSYPLAZ15103                                       |
|                                    |           | 420       | 2           | NSYPLA15104                        | NSYPLA15104T | NSYPLAZ15104                                       |
|                                    | 1250      | 320       | 2           | NSYPLA15123                        | NSYPLA15123T | NSYPLAZ15123                                       |
|                                    |           | 420       | 2           | NSYPLA15124                        | NSYPLA15124T | NSYPLAZ15124                                       |

# Selection guide

## Polyester floor-standing enclosures

PE502900-21



PE502901-19

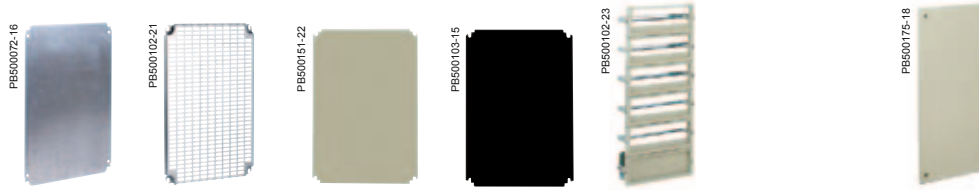


| Dimensions (mm)                           |           |           |             | Enclosures with ventilated canopy, IP44 | Enclosures with plinth-type open bottom part and ventilated canopy, IP44 |              |
|-------------------------------------------|-----------|-----------|-------------|-----------------------------------------|--------------------------------------------------------------------------|--------------|
| <b>References of enclosures with door</b> |           |           |             |                                         |                                                                          |              |
| Height (A)                                | Width (B) | Depth (C) | N° of doors | Plain                                   | Plain                                                                    |              |
| 500                                       | 500       | 320       | 1           | NSYPLAT553                              | NSYPLAZT553                                                              |              |
|                                           |           | 420       | 1           | NSYPLAT554                              | NSYPLAZT554                                                              |              |
|                                           | 750       | 320       | 1           | NSYPLAT573                              | NSYPLAZT573                                                              |              |
|                                           |           | 420       | 1           | NSYPLAT574                              | NSYPLAZT574                                                              |              |
|                                           | 1000      | 320       | 2           | NSYPLAT5103                             | NSYPLAZT5103                                                             |              |
|                                           |           | 420       | 2           | NSYPLAT5104                             | NSYPLAZT5104                                                             |              |
|                                           | 1250      | 320       | 2           | NSYPLAT5123                             | NSYPLAZT5123                                                             |              |
|                                           |           | 420       | 2           | NSYPLAT5124                             | NSYPLAZT5124                                                             |              |
|                                           | 750       | 500       | 320         | 1                                       | NSYPLAT753                                                               | NSYPLAZT753  |
|                                           |           |           | 420         | 1                                       | NSYPLAT754                                                               | NSYPLAZT754  |
| 750                                       |           | 320       | 1           | NSYPLAT773                              | NSYPLAZT773                                                              |              |
|                                           |           | 420       | 1           | NSYPLAT774                              | NSYPLAZT774                                                              |              |
| 1000                                      |           | 320       | 2           | NSYPLAT7103                             | NSYPLAZT7103                                                             |              |
|                                           |           | 420       | 2           | NSYPLAT7104                             | NSYPLAZT7104                                                             |              |
| 1250                                      |           | 320       | 2           | NSYPLAT7123                             | NSYPLAZT7123                                                             |              |
|                                           |           | 420       | 2           | NSYPLAT7124                             | NSYPLAZT7124                                                             |              |
| 1000                                      |           | 500       | 320         | 1                                       | NSYPLAT1053                                                              | NSYPLAZT1053 |
|                                           |           |           | 420         | 1                                       | NSYPLAT1054                                                              | NSYPLAZT1054 |
|                                           | 750       | 320       | 1           | NSYPLAT1073                             | NSYPLAZT1073                                                             |              |
|                                           |           | 420       | 1           | NSYPLAT1074                             | NSYPLAZT1074                                                             |              |
|                                           | 1000      | 320       | 2           | NSYPLAT10103                            | NSYPLAZT10103                                                            |              |
|                                           |           | 420       | 2           | NSYPLAT10104                            | NSYPLAZT10104                                                            |              |
|                                           | 1250      | 320       | 2           | NSYPLAT10123                            | NSYPLAZT10123                                                            |              |
|                                           |           | 420       | 2           | NSYPLAT10124                            | NSYPLAZT10124                                                            |              |
|                                           | 1250      | 500       | 320         | 1                                       | NSYPLAT1253                                                              | NSYPLAZT1253 |
|                                           |           |           | 420         | 1                                       | NSYPLAT1254                                                              | NSYPLAZT1254 |
| 750                                       |           | 320       | 1           | NSYPLAT1273                             | NSYPLAZT1273                                                             |              |
|                                           |           | 420       | 1           | NSYPLAT1274                             | NSYPLAZT1274                                                             |              |
| 1000                                      |           | 320       | 2           | NSYPLAT12103                            | NSYPLAZT12103                                                            |              |
|                                           |           | 420       | 2           | NSYPLAT12104                            | NSYPLAZT12104                                                            |              |
| 1250                                      |           | 320       | 2           | NSYPLAT12123                            | NSYPLAZT12123                                                            |              |
|                                           |           | 420       | 2           | NSYPLAT12124                            | NSYPLAZT12124                                                            |              |
| 1500                                      |           | 500       | 320         | 1                                       | NSYPLAT1553                                                              | NSYPLAZT1553 |
|                                           |           |           | 420         | 1                                       | NSYPLAT1554                                                              | NSYPLAZT1554 |
|                                           | 750       | 320       | 1           | NSYPLAT1573                             | NSYPLAZT1573                                                             |              |
|                                           |           | 420       | 1           | NSYPLAT1574                             | NSYPLAZT1574                                                             |              |
|                                           | 1000      | 320       | 2           | NSYPLAT15103                            | NSYPLAZT15103                                                            |              |
|                                           |           | 420       | 2           | NSYPLAT15104                            | NSYPLAZT15104                                                            |              |
|                                           | 1250      | 320       | 2           | NSYPLAT15123                            | NSYPLAZT15123                                                            |              |
|                                           |           | 420       | 2           | NSYPLAT15124                            | NSYPLAZT15124                                                            |              |

# Selection guide

## Polyester floor-standing enclosures

### Mounting accessories



| Dimensions (mm) |       |             | Metallic mounting plates |                       | Insulating mounting plates |                     | Modular distribution chassis |                         | Internal door             |
|-----------------|-------|-------------|--------------------------|-----------------------|----------------------------|---------------------|------------------------------|-------------------------|---------------------------|
| Height          | Width | N° of doors | Plain                    | Telequick             | Polyester                  | Bakelite            |                              |                         |                           |
|                 |       |             | Page 198                 |                       | Page 198                   |                     | Page 200                     |                         | Page 196                  |
| 500             | 500   | 1           | NSYPMM55                 | NSYPMR55              | NSYPMA55                   | NSYPMB55            | -                            | -                       | NSYPAPLA55                |
|                 | 750   | 1           | NSYPMM75                 | NSYPMR57              | NSYPMA75                   | NSYPMB75            | -                            | -                       | NSYPAPLA57                |
|                 | 1000  | 2           | NSYPMM510                | 2 x NSYPMR55          | NSYPMA510                  | NSYPMB510           | -                            | -                       | 2 x NSYPAPLA55            |
|                 | 1250  | 2           | NSYPMM55 + NSYPMM75      | NSYPMR55 + NSYPMR57   | NSYPMA55 + NSYPMA75        | NSYPMB55 + NSYPMB75 | -                            | -                       | NSYPAPLA55 + NSYPAPLA57   |
| 750             | 500   | 1           | NSYPMM75                 | NSYPMR75              | NSYPMA75                   | NSYPMB75            | NSYDLP76                     | NSYDLP57                | NSYPAPLA75                |
|                 | 750   | 1           | NSYPMM77                 | NSYPMR77              | NSYPMA77                   | NSYPMB77            | NSYDLP132                    | NSYDLP99                | NSYPAPLA77                |
|                 | 1000  | 2           | NSYPMM710                | 2 x NSYPMR75          | NSYPMA710                  | NSYPMB710           | 2 x NSYDLP76                 | 2 x NSYDLP57            | 2 x NSYPAPLA75            |
|                 | 1250  | 2           | NSYPMM712                | NSYPMR75 + NSYPMR77   | NSYPMA712                  | NSYPMB712           | NSYDLP76 + NSYDLP132         | NSYDLP57 + NSYDLP99     | NSYPAPLA75 + NSYPAPLA77   |
| 1000            | 500   | 1           | NSYPMM105                | NSYPMR105             | NSYPMA105                  | NSYPMB105           | NSYDLP114                    | NSYDLP95                | NSYPAPLA105               |
|                 | 750   | 1           | NSYPMM107                | NSYPMR107             | NSYPMA107                  | NSYPMB107           | NSYDLP198                    | NSYDLP165               | NSYPAPLA107               |
|                 | 1000  | 2           | NSYPMM1010               | 2 x NSYPMR105         | NSYPMA1010                 | NSYPMB1010          | 2 x NSYDLP114                | 2 x NSYDLP95            | 2 x NSYPAPLA105           |
|                 | 1250  | 2           | NSYPMM1012               | NSYPMR105 + NSYPMR107 | NSYPMA1012                 | NSYPMB1012          | NSYDLP114 + NSYDLP198        | NSYDLP95 + NSYDLP165    | NSYPAPLA105 + NSYPAPLA107 |
| 1250            | 500   | 1           | NSYPMM125                | NSYPMR125             | NSYPMA125                  | NSYPMB125           | NSYDLP133                    | NSYDLP114P              | NSYPAPLA125               |
|                 | 750   | 1           | NSYPMM127                | NSYPMR127             | NSYPMA127                  | NSYPMB127           | NSYDLP231                    | NSYDLP198P              | NSYPAPLA127               |
|                 | 1000  | 2           | NSYPMM1210               | 2 x NSYPMR125         | NSYPMA1210                 | NSYPMB1210          | 2 x NSYDLP133                | 2 x NSYDLP114P          | 2 x NSYPAPLA125           |
|                 | 1250  | 2           | NSYPMM1212               | NSYPMR125 + NSYPMR127 | NSYPMA1212                 | NSYPMB1212          | NSYDLP133 + NSYDLP231        | NSYDLP114P + NSYDLP198P | NSYPAPLA125 + NSYPAPLA127 |
| 1500            | 500   | 1           | NSYPMM155                | NSYPMR155             | -                          | NSYPMB155           | NSYDLP171                    | NSYDLP152               | NSYPAPLA155               |
|                 | 750   | 1           | NSYPMM157                | NSYPMR157             | -                          | NSYPMB157           | NSYDLP297                    | NSYDLP264               | NSYPAPLA157               |
|                 | 1000  | 2           | NSYPMM1510               | 2 x NSYPMR155         | -                          | NSYPMB1510          | 2 x NSYDLP171                | 2 x NSYDLP152           | 2 x NSYPAPLA155           |
|                 | 1250  | 2           | NSYPMM1512               | NSYPMR155 + NSYPMR157 | -                          | NSYPMB1512          | NSYDLP171 + NSYDLP297        | NSYDLP152 + NSYDLP264   | NSYPAPLA155 + NSYPAPLA157 |

#### Step slides

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#### Uprights and mounting rails

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#### Door retainer

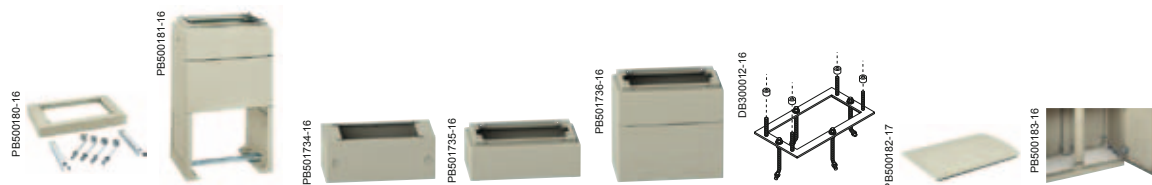
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# Selection guide

## Polyester floor-standing enclosures

### Composition accessories



| Dimensions (mm) |       | N plinth     | H plinth      | ZA plinth     | ZZ plinth     |               | Floor-fixing frame | Canopy      | Cable-entry plate |
|-----------------|-------|--------------|---------------|---------------|---------------|---------------|--------------------|-------------|-------------------|
| Width           | Depth | Height 60 mm | Height 900 mm | Height 200 mm | Height 200 mm | Height 500 mm |                    |             |                   |
|                 |       | Page 193     | Page 195      | Page 192      | Page 194      |               | Page 195           | Page 191    | Page 191          |
| 500             | 320   | NSYZNPLA53   | NSYZHPLA53    | NSYZA253      | NSYZZ253      | NSYZZ553      | NSYMFPLAZ53        | NSYTJPLA53  | NSYECPLAZ53       |
|                 | 420   | NSYZNPLA54   | NSYZHPLA54    | NSYZA273      | NSYZZ273      | NSYZZ573      | NSYMFPLAZ54        | NSYTJPLA54  | NSYECPLAZ54       |
| 750             | 320   | NSYZNPLA73   | NSYZHPLA73    | NSYZA2103     | NSYZZ2103     | NSYZZ5103     | NSYMFPLAZ73        | NSYTJPLA73  | NSYECPLAZ73       |
|                 | 420   | NSYZNPLA74   | NSYZHPLA74    | NSYZA2123     | NSYZZ2123     | NSYZZ5123     | NSYMFPLAZ74        | NSYTJPLA74  | NSYECPLAZ74       |
| 1000            | 320   | NSYZNPLA103  | NSYZHPLA103   | NSYZA254      | NSYZZ254      | NSYZZ554      | NSYMFPLAZ103       | NSYTJPLA103 | NSYECPLAZ103      |
|                 | 420   | NSYZNPLA104  | NSYZHPLA104   | NSYZA274      | NSYZZ274      | NSYZZ574      | NSYMFPLAZ104       | NSYTJPLA104 | NSYECPLAZ104      |
| 1250            | 320   | NSYZNPLA123  | NSYZHPLA123   | NSYZA2104     | NSYZZ2104     | NSYZZ5104     | NSYMFPLAZ123       | NSYTJPLA123 | NSYECPLAZ123      |
|                 | 420   | NSYZNPLA124  | NSYZHPLA124   | NSYZA2124     | NSYZZ2124     | NSYZZ5124     | NSYMFPLAZ124       | NSYTJPLA124 | NSYECPLAZ124      |

### VDI accessories



| Dimensions (mm) |       | 19" fixed chassis        |             | 19" swing chassis        |             |
|-----------------|-------|--------------------------|-------------|--------------------------|-------------|
| Height          | Width | References               | Number of U | References               | Number of U |
|                 |       | Page 205                 |             | Page 205                 |             |
| 500             | 750   | NSYBRF8PLA               | 8           | NSYBRP7PLA               | 7           |
| 750             | 750   | NSYBRF12PLA + NSYSPLA75  | 12          | NSYBRP11PLA + NSYSPLA75  | 11          |
| 1000            | 750   | NSYBRF17PLA + NSYSPLA100 | 17          | NSYBRP16PLA + NSYSPLA100 | 16          |
| 1250            | 750   | NSYBRF21PLA + NSYSPLA125 | 21          | NSYBRP20PLA + NSYSPLA125 | 20          |
| 1500            | 750   | NSYBRF26PLA + NSYSPLA150 | 26          | NSYBRP25PLA + NSYSPLA150 | 25          |

**Door switch**  
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Part number: P8500186-24

**Insert**  
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Part number: P8500187-22

**Document pocket**  
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Part number: P8500188-23

**VDI accessories and fixings**  
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Part numbers: P8500189-18, P8500190-23

**Coupling Kit**  
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Part number: DB300013-33

**Anti-graffiti paint**  
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Part number: P8500181-15

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Part number: P8500183-11

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# Steel industrial boxes



# Steel industrial boxes

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**New**

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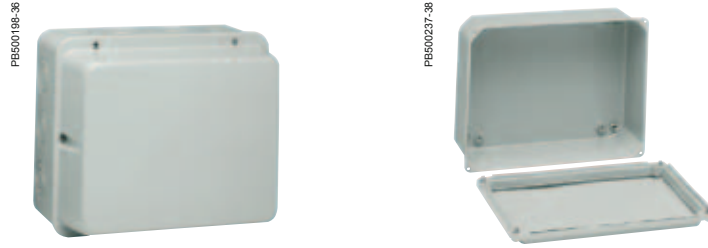
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# Metallic junction boxes

## Characteristics

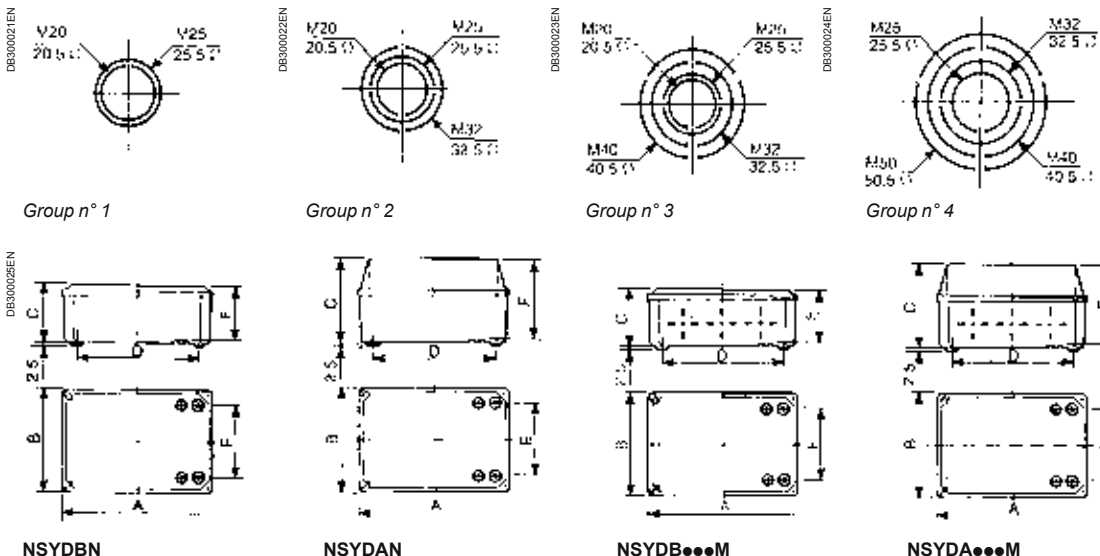


| Characteristics                                                                                                                                        | Metallic junction boxes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                        |                                                                                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                        | <ul style="list-style-type: none"> <li>■ PVC sealing gasket on sizes up to 20/15 and a rubber gasket for &gt; 25/20.</li> <li>■ Back ready for threaded drill holes for fixing equipment. From size 15/10 and up, there are four M4 threaded holes fitted with removable plugs for direct fixing of the mounting plate.</li> <li>■ The SDB series consists of 4 basic models:                             <table border="0" style="width: 100%; margin-left: 20px;"> <tr> <td style="width: 50%; vertical-align: top;"> <ul style="list-style-type: none"> <li>□ without knock-outs: with high cover,</li> <li>□ with knock-outs: <b>NSYDA●●●M</b> with high cover.</li> </ul> </td> <td style="width: 50%; vertical-align: top;"> <ul style="list-style-type: none"> <li>□ without knock-outs: with low cover,</li> <li>□ with knock-outs: <b>NSYDB●●●M</b> with low cover.</li> </ul> </td> </tr> </table> </li> </ul> | <ul style="list-style-type: none"> <li>□ without knock-outs: with high cover,</li> <li>□ with knock-outs: <b>NSYDA●●●M</b> with high cover.</li> </ul> | <ul style="list-style-type: none"> <li>□ without knock-outs: with low cover,</li> <li>□ with knock-outs: <b>NSYDB●●●M</b> with low cover.</li> </ul> |
| <ul style="list-style-type: none"> <li>□ without knock-outs: with high cover,</li> <li>□ with knock-outs: <b>NSYDA●●●M</b> with high cover.</li> </ul> | <ul style="list-style-type: none"> <li>□ without knock-outs: with low cover,</li> <li>□ with knock-outs: <b>NSYDB●●●M</b> with low cover.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                        |                                                                                                                                                      |
| Material                                                                                                                                               | Sheet steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                        |                                                                                                                                                      |
| Finish                                                                                                                                                 | Protected inside and outside with textured epoxy-polyester paint                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                        |                                                                                                                                                      |
| Colour                                                                                                                                                 | RAL 7035 grey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                        |                                                                                                                                                      |
| Ingress protection rating                                                                                                                              | IP55 according to IEC 60529                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                        |                                                                                                                                                      |
| Mechanical protection rating                                                                                                                           | IK07                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                        |                                                                                                                                                      |
| Installation                                                                                                                                           | Indoor installation:<br>direct wall-mounting by means of drill holes fitted with plastic plugs to ensure sealing<br>Outdoor installation:<br>compliant with IEC 62208 regarding type tests specified in §9.12 (resistance to ultra-violet (UV) radiation) and §9.13 (resistance to corrosion). It is always advisable to install a canopy to avoid water stagnation on the upper part of the enclosure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                        |                                                                                                                                                      |

| References | NSYDAN●●● | NSYDBN●●● |
|------------|-----------|-----------|
|            |           |           |

## Dimensions

| Models     | External dimensions (mm) |           |           | Models without knock-outs | Models with knock-outs, no. of drill holes, knock-outs and group | Dimensions (mm) |                |             | Plain mounting plate | Weight (kg) |
|------------|--------------------------|-----------|-----------|---------------------------|------------------------------------------------------------------|-----------------|----------------|-------------|----------------------|-------------|
|            | Height (A)               | Width (B) | Depth (C) |                           |                                                                  | References      | References     | Height (A)  |                      |             |
| Low cover  | 85                       | 85        | 49        | <b>NSYDBN88</b>           | <b>NSYDB88M</b>                                                  | 1 n° 1          | 1 n° 1         | 58 58 -     | -                    | 0.18        |
|            | 105                      | 105       | 49        | <b>NSYDBN1010</b>         | <b>NSYDB1010M</b>                                                | 2 n° 1          | 1 n° 1         | 76 76 -     | -                    | 0.25        |
|            | 155                      | 105       | 61        | <b>NSYDBN1510</b>         | <b>NSYDB1510M</b>                                                | 3 n° 1          | 1 n° 2         | 124 74 56   | <b>NSYPMD1510</b>    | 0.38        |
|            | 206                      | 156       | 83        | <b>NSYDBN2015</b>         | <b>NSYDB2015M</b>                                                | 3 n° 3          | 2 n° 3         | 172 122 78  | <b>NSYPMD2015</b>    | 1           |
|            | 256                      | 206       | 93        | <b>NSYDBN2520</b>         | <b>NSYDB2520M</b>                                                | 3 n° 4          | 2 n° 4         | 220 170 88  | <b>NSYPMD2520</b>    | 1.5         |
|            | 307                      | 257       | 116       | <b>NSYDBN3025</b>         | <b>NSYDB3025M</b>                                                | 2 n° 3, 2 n° 4  | 3 n° 4         | 268 218 110 | <b>NSYPMD3025</b>    | 3.3         |
| High cover | 357                      | 307       | 136       | <b>NSYDBN3530</b>         | <b>NSYDB3530M</b>                                                | 2 n° 3, 3 n° 4  | 2 n° 3, 2 n° 4 | 318 268 130 | <b>NSYPMD3530</b>    | 4.8         |
|            | 155                      | 105       | 88        | <b>NSYDAN1510</b>         | <b>NSYDA1510M</b>                                                | 3 n° 2          | 1 n° 2         | 124 74 83   | <b>NSYPMD1510</b>    | 0.45        |
|            | 206                      | 156       | 122       | <b>NSYDAN2015</b>         | <b>NSYDA2015M</b>                                                | 3 n° 3          | 2 n° 3         | 172 122 121 | <b>NSYPMD2015</b>    | 1.2         |
|            | 256                      | 206       | 140       | <b>NSYDAN2520</b>         | <b>NSYDA2520M</b>                                                | 3 n° 4          | 2 n° 4         | 220 170 131 | <b>NSYPMD2520</b>    | 1.9         |





### Small metallic enclosures

- Enclosures fitted with sealing gasket and M4 threaded holes fitted with removable plugs for fixing the mounting plate and/or equipment in general.
  - Lock with double-bar insert operated with key (standard supply ). Fixing this key to the insert will convert it into a handle lock.
- See other lock possibilities in the insert table.
- The Spacial SDB series with hinges consists of 2 models:
    - low cover.
    - high cover.

Sheet steel  
 Protected inside and outside with textured epoxy-polyester paint  
 RAL 7035 grey  
 IP55 according to IEC 60529  
 -

NSYDAN●●●D

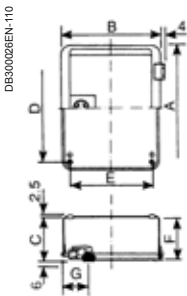
NSYSDBN●●●D

### Dimensions

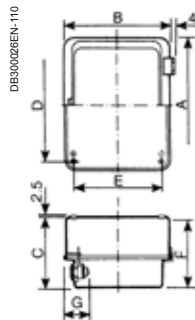
| Models     | External dimensions (mm) |           |           | Models without knock-outs | Dimensions (mm) |     |     |    | Plain mounting plate | Weight (kg) |
|------------|--------------------------|-----------|-----------|---------------------------|-----------------|-----|-----|----|----------------------|-------------|
|            | Height (A)               | Width (B) | Depth (C) |                           | References      | D   | E   | F  |                      |             |
| Low cover  | 206                      | 156       | 83        | NSYDBN2015D               | 172             | 122 | 78  | 55 | NSYPMD2015           | 1           |
|            | 256                      | 206       | 93        | NSYDBN2520D               | 220             | 170 | 88  | 55 | NSYPMD2520           | 1.5         |
|            | 307                      | 257       | 116       | NSYDBN3025D               | 268             | 218 | 110 | 55 | NSYPMD3025           | 3.3         |
|            | 357                      | 307       | 136       | NSYDBN3530D               | 318             | 268 | 130 | 55 | NSYPMD3530           | 4.8         |
| High cover | 206                      | 156       | 122       | NSYDAN2015D               | 172             | 122 | 121 | 45 | NSYPMD2015           | 1.2         |
|            | 256                      | 206       | 140       | NSYDAN2520D               | 220             | 170 | 131 | 45 | NSYPMD2520           | 1.9         |
|            | 307                      | 257       | 174       | NSYDAN3025D               | 268             | 218 | 168 | 45 | NSYPMD3025           | 4           |
|            | 357                      | 307       | 210       | NSYDAN3530D               | 318             | 268 | 204 | 45 | NSYPMD3530           | 5.8         |

### Conversions of standard lock into normalised solutions

| Type and size         |                               | Operated with a key | References  |
|-----------------------|-------------------------------|---------------------|-------------|
| <br>Square insert     | <input type="checkbox"/> 6 mm | LC-7                | NSYTC6CRN   |
|                       | <input type="checkbox"/> 7 mm | LC-7                | NSYTC7CRN   |
|                       | <input type="checkbox"/> 8 mm | LC-8                | NSYTC8CRN   |
| <br>Triangular insert | <input type="checkbox"/> 6 mm | LT-8                | NSYTT6CRN   |
|                       | <input type="checkbox"/> 7 mm | LT-8                | NSYTT7CRN   |
|                       | <input type="checkbox"/> 8 mm | LT-8                | NSYTT8CRN   |
| 405 key-type lock     |                               |                     | NSYCL405CRN |



NSYDBN...D



NSYDAN...D

# Steel safety boxes

## Characteristics



### Applications

Security and alarm systems (such as a fire alarm) that can accommodate modular plates and equipment.



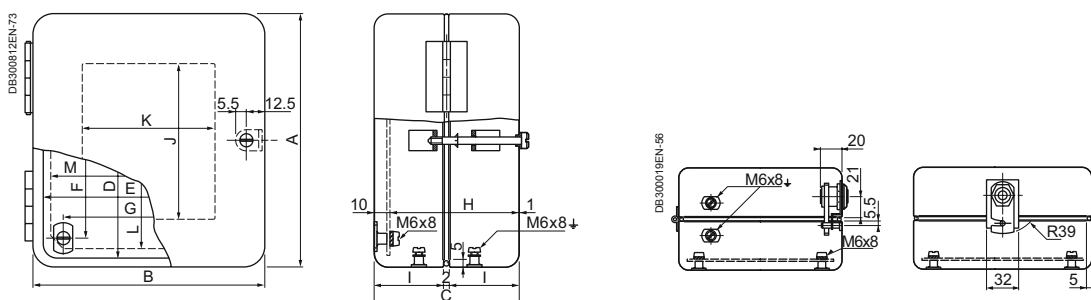
| Characteristics              | Steel safety boxes                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              | <ul style="list-style-type: none"> <li>■ Polyurethane sealing gasket.</li> <li>■ The enclosures are equipped with 4 nuts welded to the rear. They allow the fixing of a mounting plate (as an accessory) or a personalised mounting plate.</li> <li>■ M6 x 8 earthing screws on the body and cover for earth continuity.</li> <li>■ Plumbable with a cap installed at the plant.</li> </ul>                                                                |
| Material                     | Sheet steel                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Finish                       | Protected inside and outside with textured epoxy-polyester paint                                                                                                                                                                                                                                                                                                                                                                                           |
| Colour                       | RAL 7035 grey or RAL 3000 red for security applications                                                                                                                                                                                                                                                                                                                                                                                                    |
| Ingress protection rating    | IP55 according to IEC 60529                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Mechanical protection rating | IK07                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Installation                 | Indoor installation:<br>direct wall-mounting or with the help of fixing lugs installed from the outside (to be ordered separately, see the specific accessory pages)<br>Outdoor installation:<br>compliant with IEC 62208 regarding type tests specified in §9.12 (resistance to ultra-violet (UV) radiation) and §9.13 (resistance to corrosion). It is always advisable to install a canopy to avoid water stagnation on the upper part of the enclosure |
| Options                      | Locking by screws or by side lock with 3 mm double-bar insert. Option of installing a handle, ref. <b>NSYTHL1242EPLM</b> or <b>NSYTHPLM</b> with insert ref. <b>NSYTT8CRN</b> (to be ordered)                                                                                                                                                                                                                                                              |

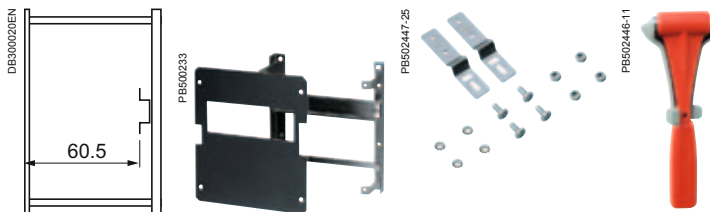
## Dimensions



| Internal dimensions (mm) |       |       | Enclosure locking by screws |                       | Enclosures with side 3 mm double-bar lock |                       |                               |  |
|--------------------------|-------|-------|-----------------------------|-----------------------|-------------------------------------------|-----------------------|-------------------------------|--|
| Height                   | Width | Depth | References                  |                       |                                           |                       |                               |  |
|                          |       |       | Plain door                  | Door with window      | Plain door                                | Door with window      | Door with window RAL 3000 red |  |
| 180                      | 130   | 96    | <b>NSYSBS18139F</b>         | <b>NSYSBS18139FT</b>  | <b>NSYSBS18139K</b>                       | <b>NSYSBS18139KT</b>  | <b>NSYSBS18139KTH</b>         |  |
| 180                      | 165   | 96    | <b>NSYSBS18169F</b>         | <b>NSYSBS18169FT</b>  | <b>NSYSBS18169K</b>                       | <b>NSYSBS18169KT</b>  | <b>NSYSBS18169KTH</b>         |  |
| 230                      | 210   | 126   | <b>NSYSBS232112F</b>        | <b>NSYSBS232112FT</b> | <b>NSYSBS232112K</b>                      | <b>NSYSBS232112KT</b> | <b>NSYSBS232112KTH</b>        |  |

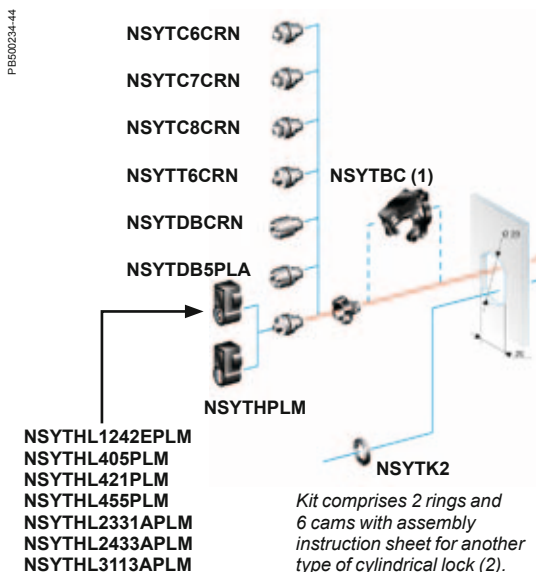
| Internal dimensions of the enclosures (mm) |       |       | Plates dimensions (mm) |     |     |     |     |     |     |     |    |     |     | Weight (kg) | Plates |     |                     |
|--------------------------------------------|-------|-------|------------------------|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-------------|--------|-----|---------------------|
| Height                                     | Width | Depth | A                      | B   | C   | D   | E   | F   | G   | H   | I  | J   | K   | L           | M      |     | References          |
| 180                                        | 130   | 96    | 182                    | 132 | 107 | 168 | 118 | 140 | 90  | 95  | 52 | 107 | 77  | 160         | 110    | 1   | <b>NSYAMP1612SB</b> |
| 180                                        | 165   | 96    | 182                    | 167 | 107 | 168 | 153 | 140 | 125 | 95  | 52 | 108 | 97  | 160         | 145    | 1.2 | <b>NSYAMP1816SB</b> |
| 230                                        | 210   | 126   | 232                    | 212 | 137 | 218 | 198 | 190 | 170 | 125 | 67 | 157 | 137 | 210         | 190    | 2   | <b>NSYAMP2321SB</b> |





| Characteristics           |       |       |                   | Mounting                                 |                                                    | Composition                         |                                           |
|---------------------------|-------|-------|-------------------|------------------------------------------|----------------------------------------------------|-------------------------------------|-------------------------------------------|
|                           |       |       |                   | Mounting plates, delivered with fixings. | Kit for modular equipment, delivered with fixings. | Set of 2 fixing lugs, with fixings. | Glass-breaking set (hammer with support). |
| Material                  |       |       |                   | Treated-steel                            | Treated-steel                                      | Treated-steel                       | Treated-steel                             |
| Ingress protection rating |       |       |                   | -                                        | -                                                  | Without sealing washer, degraded IP | -                                         |
| Internal dimensions (mm)  |       |       |                   | References                               |                                                    |                                     |                                           |
| Height                    | Width | Depth | Number of modules |                                          |                                                    |                                     |                                           |
| 180                       | 130   | 96    | 4                 | <b>NSYAMPM1612SB</b>                     | <b>NSYAPMC1813SB</b>                               | -                                   | -                                         |
| 180                       | 165   | 96    | -                 | <b>NSYAMPM1816SB</b>                     | -                                                  | -                                   | -                                         |
| 230                       | 210   | 126   | 8                 | <b>NSYAMPM2321SB</b>                     | <b>NSYAPMC2321SB</b>                               | -                                   | -                                         |
|                           |       |       |                   | -                                        | -                                                  | <b>NSYAEFS24</b>                    | <b>NSYAEDEXS24</b>                        |

### Locks



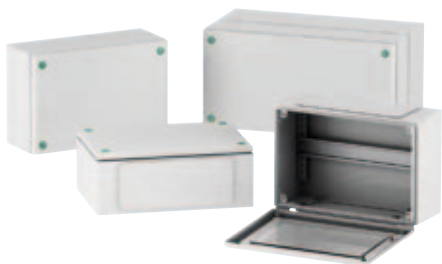
(1) Incompatible with locking handle.  
 (2) Locks not referenced, to special order only.  
 Consult our local sales office.  
 Note: the locks are not adaptable on lock screw models.

| Kit                                                                     |                       |
|-------------------------------------------------------------------------|-----------------------|
| Description                                                             | References            |
| Handle without lock                                                     | <b>NSYHPLM</b>        |
| Sealing or padlocking cap                                               | <b>NSYTBC</b>         |
| Replacement spare lock                                                  | <b>NSYTK1</b>         |
| EDF/RONIS kit                                                           | <b>NSYTK2</b>         |
| Insert shape/type                                                       |                       |
| Description                                                             | References            |
| Square 6 mm                                                             | <b>NSYTC6CRN</b>      |
| Square 7 mm                                                             | <b>NSYTC7CRN</b>      |
| Square 8 mm                                                             | <b>NSYTC8CRN</b>      |
| Double bar 3 mm (standard)                                              | <b>NSYTDBCRN</b>      |
| Double bar 5 mm                                                         | <b>NSYTDB5PLA</b>     |
| Triangular 6.5 mm CNOMO                                                 | <b>NSYTT6CRN</b>      |
| Triangular 8 mm                                                         | <b>NSYTT8CRN</b>      |
| Handles with push-button release (delivered with insert ref. NSYTT8CRN) |                       |
| Description                                                             | References            |
| Key lock 1242 E                                                         | <b>NSYTHL1242EPLM</b> |
| Key lock 405                                                            | <b>NSYTHL405PLM</b>   |
| Key lock 421                                                            | <b>NSYTHL421PLM</b>   |
| Key lock 455                                                            | <b>NSYTHL455PLM</b>   |
| Key lock 2331 A                                                         | <b>NSYTHL2331APLM</b> |
| Key lock 2433 A                                                         | <b>NSYTHL2433APLM</b> |
| Key lock 3113 A                                                         | <b>NSYTHL3113APLM</b> |

**New**

> Simplicity, ergonomics and versatility, it's all in the box.

PB502105-40



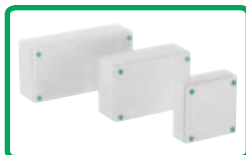
PB502112-17



### Selection

- 3 versions: flat box (SBM), FL21 entry box (SBMC) and bus box (SBMB).
- 80 mm and 120 mm depth.
- FL21 cable entries available according to the version.

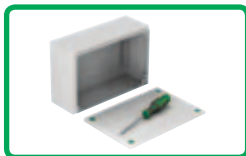
PB502113-30



### Modularity

- 28 sizes available.
- Up to 42 sizes possible thanks to the optional Extension box accessory.

PB902073-20



### Ergonomics

- Cover opening and accessory mounting with **just a screwdriver**.
- Better accessibility thanks to the Extension box accessory.

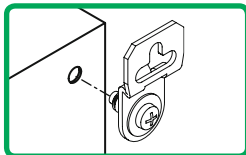
PB502085-20



### Sturdy and good ingress protection

- Mechanical protection rating up to IK10.
- Ingress protection rating up to IP66.

DE300080



### Easy installation

- Direct fixing through the rear.
- Mounting with versatile external lugs.

PB502071-20



### Added value to your work

- Quality and aesthetics.

**This range can be configured according to your needs**

4 different services available:



Assemble to order



Mounting of standard accessories



Painting



Machining

See page 450 for details or consult our web site [www.schneider-electric.com](http://www.schneider-electric.com)

New



|                              | Spacial SBM Flat box                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Spacial SBMC FL21 Entry box                                                                                                                                  | Spacial SBMB Bus box                                                                                           |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
|                              | Box with plain faces.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Equipped with two or more FL21 cable gland plates.                                                                                                           | Equipped with FL 21 cable gland plates, a hinged cover with a transparent polycarbonate window and a DIN rail. |
|                              | <p><b>Box body</b><br/>Single-piece body (rectangular structure). Front design incorporating folded gutters. Flat rear. 2 (or 3*) drilled profiles for installing mounting plates and DIN rails, with fixing centres of 12.5 mm. 2 or more FL21 cable gland plates (1) for easy drilling and to guarantee the maximum access area, delivered with the enclosure.</p> <p><b>Box cover</b><br/>Equipped with 2, 3, 4 or 6 half-turn thread screws, according to the version (2) to ensure maximum watertightness. Bus boxes equipped with cover hinges for a comfortable 180° door opening. Polyurethane sealing gasket.</p> <p><b>Protection of personnel</b><br/>Earth connection mandatory for all boxes: Spacial SBM steel boxes are equipped with a M6 x 16 earth stud welded in the cover, to be linked with the body for equipotential connection. Earth braid to be ordered separately (Ø 6.4 mm terminal).</p> |                                                                                                                                                              |                                                                                                                |
| Material                     | Sheet steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                              |                                                                                                                |
| Finish                       | Structured                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                              |                                                                                                                |
| Colour                       | RAL 7035 grey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                              |                                                                                                                |
| Ingress protection rating    | IP66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | IP55                                                                                                                                                         |                                                                                                                |
| Mechanical protection rating | IK10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                              | IK08                                                                                                           |
| Standard                     | Compliance with enclosure standard IEC 62208 and the RoHS directive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                              |                                                                                                                |
| Certifications               | <ul style="list-style-type: none"> <li>■ UL, BV, DNV, LR, GL</li> <li>■ NEMA type 4, 4X according to UL 508A standard</li> <li>■ Fire class: M0</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <ul style="list-style-type: none"> <li>■ UL, BV, DNV, LR, GL</li> <li>■ NEMA type 12, 12K according to UL 508A standard</li> <li>■ Fire class: M0</li> </ul> |                                                                                                                |
| Installation                 | <p><b>Indoor installation</b><br/>Direct wall-mounting (4 x Ø 10 mm holes with sealing plugs to maintain the IP rating) or with the help of fixing lugs installed from the outside (to be ordered separately, see the specific accessory pages). Distance between fixing holes enables the installation of the box in the same locations as many existing enclosures. Marks on the rear of the box locate the fixing points of obsolete Schneider Electric models. Marks on the sides help with drilling the body to install hinges</p> <p><b>Outdoor installation</b><br/>Compliant with IEC 62208 regarding type tests specified in §9.12 (resistance to ultra-violet (UV) radiation) and §9.13 (resistance to corrosion). It is always advisable to place the box under shelter to avoid water stagnation on the upper part of the enclosure</p>                                                                   |                                                                                                                                                              |                                                                                                                |
| Maximum load                 | Loading capacity on the body: 50 kg/m <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                              |                                                                                                                |
| Other characteristics        | <p><b>Vibration constraints</b><br/>Specific construction of the Spacial SBM - Single-piece body (rectangular structure). The rear is flat without added parts - this ensures compliance with certain vibration constraints. The tests were conducted according to the marine application by "Det Norske Veritas". Boxes labelled "DNV" have undergone these tests and obtained classification "A"</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                              |                                                                                                                |

\* 3 profiles for width 800 mm.

(1) Only on Entry boxes and Bus boxes.

(2) 2 for Bus box (3 screws for width greater than 400 mm), 4 for Flat and Entry boxes (6 screws for width greater than 400 mm).

# Steel industrial boxes

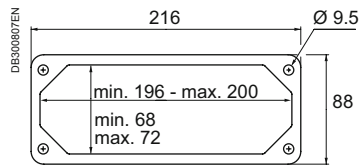
## Technical characteristics

New

| Box         |            |            | Extension box    | FL21 cable gland* |            | Power dissipation** | Sheet thickness    |
|-------------|------------|------------|------------------|-------------------|------------|---------------------|--------------------|
| Height (mm) | Width (mm) | Depth (mm) | Total depth (mm) | Along Height (mm) | Width (mm) | (W)                 | (mm)               |
| 150         | 150        | 80         |                  |                   |            | 13.5                | 10/10 <sup>e</sup> |
|             |            | 120        |                  |                   |            | 17.2                | 10/10 <sup>e</sup> |
|             | 200        | 80         |                  |                   |            | 16.6                | 10/10 <sup>e</sup> |
|             |            | 120        |                  |                   |            | 20.8                | 10/10 <sup>e</sup> |
|             | 300        | 80         |                  |                   |            | 22.8                | 10/10 <sup>e</sup> |
|             |            | 120        |                  |                   | 1+1        | 28.1                | 10/10 <sup>e</sup> |
| 400         | 80         |            |                  |                   | 29.0       | 10/10 <sup>e</sup>  |                    |
|             | 120        |            |                  | 1+1               | 35.3       | 10/10 <sup>e</sup>  |                    |
|             |            |            |                  |                   |            |                     |                    |
| 200         | 200        | 80         | 160              |                   |            | 20.6                | 10/10 <sup>e</sup> |
|             |            | 120        | 200              |                   |            | 25.6                | 10/10 <sup>e</sup> |
|             | 300        | 80         | 160              |                   |            | 28.2                | 10/10 <sup>e</sup> |
|             |            | 120        | 200              |                   | 1+1        | 34.2                | 10/10 <sup>e</sup> |
|             | 400        | 80         | 160              |                   |            | 35.7                | 10/10 <sup>e</sup> |
|             |            | 120        | 200              |                   | 1+1        | 42.8                | 10/10 <sup>e</sup> |
|             | 500        | 80         | 160              |                   |            | 43.3                | 12/10 <sup>e</sup> |
|             |            | 120        | 200              |                   |            | 51.4                | 12/10 <sup>e</sup> |
|             | 600        | 80         | 160              |                   |            | 50.8                | 12/10 <sup>e</sup> |
|             |            | 120        | 200              |                   |            | 60.1                | 12/10 <sup>e</sup> |
| 800         | 120        |            |                  |                   | 2+2        | 77.3                | 12/10 <sup>e</sup> |
|             |            |            |                  |                   | 2+2        |                     |                    |
| 300         | 300        | 120        | 200              | 1+1               | 1+1        | 46.4                | 10/10 <sup>e</sup> |
|             | 400        | 120        | 200              | 1+1               | 1+1        | 57.8                | 10/10 <sup>e</sup> |
|             | 500        | 120        | 200              |                   |            | 69.1                | 12/10 <sup>e</sup> |
|             | 600        | 120        | 200              | 1+1               | 2+2        | 80.4                | 12/10 <sup>e</sup> |
|             | 800        | 120        |                  | 1+1               | 2+2        | 103.0               | 12/10 <sup>e</sup> |
| 400         | 400        | 120        |                  | 1+1               | 1+1        | 72.7                | 10/10 <sup>e</sup> |
|             | 500        | 120        |                  |                   |            | 86.7                | 12/10 <sup>e</sup> |
|             | 600        | 120        |                  | 1+1               | 2+2        | 100.7               | 12/10 <sup>e</sup> |
|             | 800        | 120        |                  | 1+1               | 2+2        | 128.7               | 12/10 <sup>e</sup> |

\* Only on SBMB and SBMC boxes.

\*\* Power dissipation calculated for a box mounted on a wall, at external temperature 25°C and maximum internal temperature 55°C.

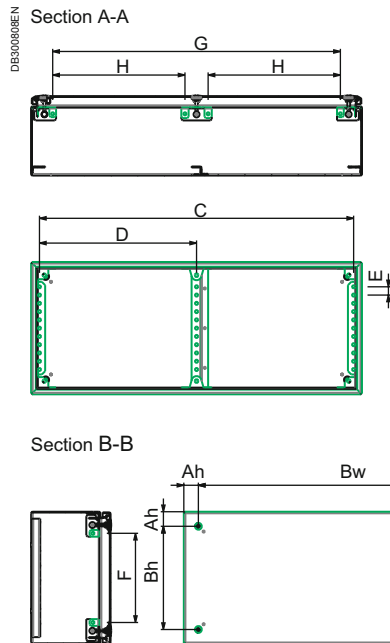




New

### External fixing of the box and mounting accessories

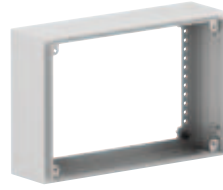
| Box         |            | Fixing  |         |         | Mounting |        |        |        |        |        |
|-------------|------------|---------|---------|---------|----------|--------|--------|--------|--------|--------|
| Height (mm) | Width (mm) | Ah (mm) | Bh (mm) | Bw (mm) | C (mm)   | D (mm) | E (mm) | F (mm) | G (mm) | H (mm) |
| 150         | 150        | 20.5    | 109     | 109     | 125      | -      | 12.5   | 85     | 85     | -      |
|             | 200        | 20.5    | 109     | 159     | 175      | -      | 12.5   | 85     | 135    | -      |
|             | 300        | 20.5    | 109     | 259     | 275      | -      | 12.5   | 85     | 235    | -      |
|             | 400        | 20.5    | 109     | 359     | 375      | -      | 12.5   | 85     | 335    | -      |
| 200         | 200        | 20.5    | 159     | 159     | 175      | -      | 12.5   | 135    | 135    | -      |
|             | 300        | 20.5    | 159     | 259     | 275      | -      | 12.5   | 135    | 235    | -      |
|             | 400        | 20.5    | 159     | 359     | 375      | -      | 12.5   | 135    | 335    | -      |
|             | 500        | 20.5    | 159     | 459     | 475      | -      | 12.5   | 135    | 435    | 200    |
|             | 600        | 20.5    | 159     | 559     | 575      | -      | 12.5   | 135    | 535    | 250    |
|             | 800        | 20.5    | 159     | 759     | 775      | 387.5  | 12.5   | 135    | 735    | 350    |
| 300         | 300        | 20.5    | 259     | 259     | 275      | -      | 12.5   | 235    | 235    | -      |
|             | 400        | 20.5    | 259     | 359     | 375      | -      | 12.5   | 235    | 335    | -      |
|             | 500        | 20.5    | 259     | 459     | 475      | -      | 12.5   | 235    | 435    | 200    |
|             | 600        | 20.5    | 259     | 559     | 575      | -      | 12.5   | 235    | 535    | 250    |
|             | 800        | 20.5    | 259     | 759     | 775      | 387.5  | 12.5   | 235    | 735    | 350    |
| 400         | 400        | 20.5    | 359     | 359     | 375      | -      | 12.5   | 335    | 335    | -      |
|             | 500        | 20.5    | 359     | 459     | 475      | -      | 12.5   | 335    | 435    | 200    |
|             | 600        | 20.5    | 359     | 559     | 575      | -      | 12.5   | 335    | 535    | 250    |
|             | 800        | 20.5    | 359     | 759     | 775      | 387.5  | 12.5   | 335    | 735    | 350    |



### Mounting accessories

#### Extension box

PB50211-29



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#### Mounting plate

PB502100-29



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#### DIN rail

PB502101-29



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#### Post fastening

PE502098-20



Page 45

#### Coupling kit

PE502097-29



Page 45

### Fixing accessories

#### Fixing lugs

PB502088-10



Page 47

#### Self-tapping screws

PB502104-8



Page 47

#### Hinges

PB502102-17



Page 47

#### Double-bar shaped head screw

PB502105-10



Page 47

#### Triangle shaped head screw

PB502106-7



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#### Sealing kit

PB502103-18



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### Cable management

#### Cable entries



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# Steel industrial boxes

## Mounting accessories

New

PB502089-20



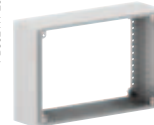
PB502070-20



PB502071-20



PB502111-20



| Characteristics           |       |       |                  | Flat box     | FL21 entry box | Bus box       | Extension box (2)                                                                                                                                                                                                                                       |             |
|---------------------------|-------|-------|------------------|--------------|----------------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
|                           |       |       |                  |              |                |               | Extension box that fits onto the corresponding box of the same height and width: <ul style="list-style-type: none"> <li>■ improved ergonomics and accessibility inside the box,</li> <li>■ increases the interior depth of the box (+80 mm).</li> </ul> |             |
| Material                  |       |       |                  |              |                |               | Sheet steel                                                                                                                                                                                                                                             |             |
| Colour                    |       |       |                  |              |                |               | RAL 7035                                                                                                                                                                                                                                                |             |
| Ingress protection rating |       |       |                  |              |                |               | IP66 (1 extension)                                                                                                                                                                                                                                      |             |
| Installation              |       |       |                  |              |                |               | Two earth braids must be used with the extension box                                                                                                                                                                                                    |             |
| Maximum load              |       |       |                  |              |                |               | 30 kg/m <sup>2</sup> on the extension box                                                                                                                                                                                                               |             |
| Supply                    |       |       |                  | 1 unit       | 1 unit         | 1 unit        | 1 unit                                                                                                                                                                                                                                                  |             |
| Dimensions (mm)           |       |       | Cover screws (1) | References   |                |               |                                                                                                                                                                                                                                                         |             |
| Height                    | Width | Depth | Qty              | SBM          | SBMC           | SBMB          |                                                                                                                                                                                                                                                         |             |
| 150                       | 150   | 80    | 4                | NSYSBM15158  | -              | -             | -                                                                                                                                                                                                                                                       |             |
|                           |       | 120   | 4                | NSYSBM151512 | -              | -             | -                                                                                                                                                                                                                                                       |             |
|                           | 200   | 80    | 4                | NSYSBM15208  | -              | -             | -                                                                                                                                                                                                                                                       |             |
|                           |       | 120   | 4                | NSYSBM152012 | -              | -             | -                                                                                                                                                                                                                                                       |             |
|                           | 300   | 80    | 4                | NSYSBM15308  | -              | -             | -                                                                                                                                                                                                                                                       |             |
|                           |       | 120   | 4                | NSYSBM153012 | NSYSBMC153012  | -             | -                                                                                                                                                                                                                                                       |             |
|                           | 400   | 80    | 4                | NSYSBM15408  | -              | -             | -                                                                                                                                                                                                                                                       |             |
|                           |       | 120   | 4                | NSYSBM154012 | NSYSBMC154012  | -             | -                                                                                                                                                                                                                                                       |             |
| 200                       | 200   | 80    | 4                | NSYSBM20208  | -              | -             | NSYAES228SB                                                                                                                                                                                                                                             |             |
|                           |       | 120   | 4                | NSYSBM202012 | -              | -             | NSYAES228SB                                                                                                                                                                                                                                             |             |
|                           | 300   | 80    | 4                | NSYSBM20308  | -              | -             | NSYAES238SB                                                                                                                                                                                                                                             |             |
|                           |       | 120   | 4                | NSYSBM203012 | NSYSBMC203012  | NSYSBMB203012 | NSYAES238SB                                                                                                                                                                                                                                             |             |
|                           | 400   | 80    | 4                | NSYSBM20408  | -              | -             | NSYAES248SB                                                                                                                                                                                                                                             |             |
|                           |       | 120   | 4                | NSYSBM204012 | NSYSBMC204012  | NSYSBMB204012 | NSYAES248SB                                                                                                                                                                                                                                             |             |
|                           | 500   | 80    | 6                | NSYSBM20508  | -              | -             | NSYAES258SB                                                                                                                                                                                                                                             |             |
|                           |       | 120   | 6                | NSYSBM205012 | -              | -             | NSYAES258SB                                                                                                                                                                                                                                             |             |
|                           | 600   | 80    | 6                | NSYSBM20608  | -              | -             | NSYAES268SB                                                                                                                                                                                                                                             |             |
|                           |       | 120   | 6                | NSYSBM206012 | NSYSBMC206012  | NSYSBMB206012 | NSYAES268SB                                                                                                                                                                                                                                             |             |
|                           | 800   | 120   | 6                | NSYSBM208012 | NSYSBMC208012  | NSYSBMB208012 | -                                                                                                                                                                                                                                                       |             |
|                           |       |       |                  |              |                |               |                                                                                                                                                                                                                                                         |             |
|                           | 300   | 300   | 120              | 4            | NSYSBM303012   | NSYSBMC303012 | -                                                                                                                                                                                                                                                       | NSYAES338SB |
|                           |       | 400   | 120              | 4            | NSYSBM304012   | NSYSBMC304012 | -                                                                                                                                                                                                                                                       | NSYAES348SB |
|                           |       | 500   | 120              | 6            | NSYSBM305012   | -             | -                                                                                                                                                                                                                                                       | NSYAES358SB |
|                           |       | 600   | 120              | 6            | NSYSBM306012   | NSYSBMC306012 | -                                                                                                                                                                                                                                                       | NSYAES368SB |
| 800                       |       | 120   | 6                | NSYSBM308012 | NSYSBMC308012  | -             | -                                                                                                                                                                                                                                                       |             |
| 400                       | 400   | 120   | 4                | NSYSBM404012 | NSYSBMC404012  | -             | -                                                                                                                                                                                                                                                       |             |
|                           | 500   | 120   | 6                | NSYSBM405012 | -              | -             | -                                                                                                                                                                                                                                                       |             |
|                           | 600   | 120   | 6                | NSYSBM406012 | NSYSBMC406012  | -             | -                                                                                                                                                                                                                                                       |             |
|                           | 800   | 120   | 6                | NSYSBM408012 | NSYSBMC408012  | -             | -                                                                                                                                                                                                                                                       |             |

(1) For Bus box, divide by 2.  
 (2) Not compatible with Bus box.



| Mounting plate                                                                                                                                                                  | DIN rail (3)                                                                               | Post fastening                                                                                                                                                                                               | Coupling kit                                                                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| -                                                                                                                                                                               | Symmetrical DIN rails 35 x 7.5 mm.                                                         | Rail fixed externally to the rear of the box with 8 mm screws for installation on posts with diameters between 150 mm and 215 mm.<br>For steel boxes with widths of 150, 200, 300, 400, 500, 600 and 800 mm. | Entry boxes or Bus boxes can be coupled with each other through their FL21 cable entry openings. They can be coupled together in any combination.         |
| Galvanised steel                                                                                                                                                                | Galvanised steel                                                                           | Galvanised steel                                                                                                                                                                                             | -                                                                                                                                                         |
| -                                                                                                                                                                               | -                                                                                          | -                                                                                                                                                                                                            | -                                                                                                                                                         |
| -                                                                                                                                                                               | -                                                                                          | -                                                                                                                                                                                                            | IP55                                                                                                                                                      |
| Fixing by means of 2* or 4 x Ø 5 mm self-tapping screws, Pozidriv head, ref. <b>NSYAMFSB</b> (4). Mounting plate fixing points compatible with many other brands of accessories | Fixing by means of 2 x Ø 5 mm self-tapping screws, Pozidriv head, ref. <b>NSYAMFSB</b> (4) | -                                                                                                                                                                                                            | For boxes bigger than 500 mm, order the same amount of units as the cable gland plate openings on the face of the box to be coupled, see table on page 40 |
| -                                                                                                                                                                               | -                                                                                          | 100 kg                                                                                                                                                                                                       | -                                                                                                                                                         |
| 1 unit, supplied without screws                                                                                                                                                 | 10 rails, supplied without screws                                                          | 1 unit                                                                                                                                                                                                       | 1 gasket and necessary hardware                                                                                                                           |

|                  |                       |                   |                      |
|------------------|-----------------------|-------------------|----------------------|
| <b>NSYMM11SB</b> | <b>NSYAMRD15357SB</b> | <b>NSYSFPSC15</b> | <b>NSYAEUBU148**</b> |
| <b>NSYMM11SB</b> | <b>NSYAMRD15357SB</b> | <b>NSYSFPSC15</b> |                      |
| <b>NSYMM12SB</b> | <b>NSYAMRD20357SB</b> | <b>NSYSFPSC20</b> |                      |
| <b>NSYMM12SB</b> | <b>NSYAMRD20357SB</b> | <b>NSYSFPSC20</b> |                      |
| <b>NSYMM13SB</b> | <b>NSYAMRD30357SB</b> | <b>NSYSFPSC30</b> |                      |
| <b>NSYMM13SB</b> | <b>NSYAMRD30357SB</b> | <b>NSYSFPSC30</b> |                      |
| <b>NSYMM14SB</b> | <b>NSYAMRD40357SB</b> | <b>NSYSFPSC40</b> |                      |
| <b>NSYMM14SB</b> | <b>NSYAMRD40357SB</b> | <b>NSYSFPSC40</b> |                      |
| <b>NSYMM22SB</b> | <b>NSYAMRD20357SB</b> | <b>NSYSFPSC20</b> |                      |
| <b>NSYMM22SB</b> | <b>NSYAMRD20357SB</b> | <b>NSYSFPSC20</b> |                      |
| <b>NSYMM23SB</b> | <b>NSYAMRD30357SB</b> | <b>NSYSFPSC30</b> |                      |
| <b>NSYMM23SB</b> | <b>NSYAMRD30357SB</b> | <b>NSYSFPSC30</b> |                      |
| <b>NSYMM24SB</b> | <b>NSYAMRD40357SB</b> | <b>NSYSFPSC40</b> |                      |
| <b>NSYMM24SB</b> | <b>NSYAMRD40357SB</b> | <b>NSYSFPSC40</b> |                      |
| <b>NSYMM25SB</b> | <b>NSYAMRD50357SB</b> | <b>NSYSFPSC50</b> |                      |
| <b>NSYMM25SB</b> | <b>NSYAMRD50357SB</b> | <b>NSYSFPSC50</b> |                      |
| <b>NSYMM26SB</b> | <b>NSYAMRD60357SB</b> | <b>NSYSFPSC60</b> |                      |
| <b>NSYMM26SB</b> | <b>NSYAMRD60357SB</b> | <b>NSYSFPSC60</b> |                      |
| <b>NSYMM28SB</b> | <b>NSYAMRD80357SB</b> | <b>NSYSFPSC80</b> |                      |
| <b>NSYMM33SB</b> | <b>NSYAMRD30357SB</b> | <b>NSYSFPSC30</b> |                      |
| <b>NSYMM34SB</b> | <b>NSYAMRD40357SB</b> | <b>NSYSFPSC40</b> |                      |
| <b>NSYMM35SB</b> | <b>NSYAMRD50357SB</b> | <b>NSYSFPSC50</b> |                      |
| <b>NSYMM36SB</b> | <b>NSYAMRD60357SB</b> | <b>NSYSFPSC60</b> |                      |
| <b>NSYMM38SB</b> | <b>NSYAMRD80357SB</b> | <b>NSYSFPSC80</b> |                      |
| <b>NSYMM44SB</b> | <b>NSYAMRD40357SB</b> | <b>NSYSFPSC40</b> |                      |
| <b>NSYMM45SB</b> | <b>NSYAMRD50357SB</b> | <b>NSYSFPSC50</b> |                      |
| <b>NSYMM46SB</b> | <b>NSYAMRD60357SB</b> | <b>NSYSFPSC60</b> |                      |
| <b>NSYMM48SB</b> | <b>NSYAMRD80357SB</b> | <b>NSYSFPSC80</b> |                      |

(3) Standard equipped in Bus box.

(4) All boxes are delivered with 5 x Ø 5 mm self-tapping screws.

\* Only 2 screws for mounting plates with height 150 mm.

\*\* Same reference for all dimensions. Only compatible with FL21 entry box and Bus box.

# Steel industrial boxes

## Fixing accessories

New



| Characteristics           |       |       |                  | Flat box     | FL21 entry box | Bus box       |               |
|---------------------------|-------|-------|------------------|--------------|----------------|---------------|---------------|
| Colour                    |       |       |                  |              |                |               |               |
| Ingress protection rating |       |       |                  |              |                |               |               |
| Installation              |       |       |                  |              |                |               |               |
| Maximum load              |       |       |                  |              |                |               |               |
| Supply                    |       |       |                  | 1 unit       | 1 unit         | 1 unit        |               |
| Dimensions (mm)           |       |       | Cover screws (1) | References   |                |               |               |
| Height                    | Width | Depth | Qty              | SBM          | SBMC           | SBMB          |               |
| 150                       | 150   | 80    | 4                | NSYSBM15158  | -              | -             |               |
|                           |       | 120   | 4                | NSYSBM151512 | -              | -             |               |
|                           | 200   | 80    | 4                | NSYSBM15208  | -              | -             |               |
|                           |       | 120   | 4                | NSYSBM152012 | -              | -             |               |
|                           | 300   | 80    | 4                | NSYSBM15308  | -              | -             |               |
|                           |       | 120   | 4                | NSYSBM153012 | NSYSBMC153012  | -             |               |
|                           | 400   | 80    | 4                | NSYSBM15408  | -              | -             |               |
|                           |       | 120   | 4                | NSYSBM154012 | NSYSBMC154012  | -             |               |
|                           | 200   | 200   | 80               | 4            | NSYSBM20208    | -             | -             |
|                           |       |       | 120              | 4            | NSYSBM202012   | -             | -             |
|                           |       | 300   | 80               | 4            | NSYSBM20308    | -             | -             |
|                           |       |       | 120              | 4            | NSYSBM203012   | NSYSBMC203012 | NSYSBMB203012 |
| 400                       |       | 80    | 4                | NSYSBM20408  | -              | -             |               |
|                           |       | 120   | 4                | NSYSBM204012 | NSYSBMC204012  | NSYSBMB204012 |               |
| 500                       |       | 80    | 6                | NSYSBM20508  | -              | -             |               |
|                           |       | 120   | 6                | NSYSBM205012 | -              | -             |               |
| 600                       |       | 80    | 6                | NSYSBM20608  | -              | -             |               |
|                           |       | 120   | 6                | NSYSBM206012 | NSYSBMC206012  | NSYSBMB206012 |               |
| 800                       |       | 120   | 6                | NSYSBM208012 | NSYSBMC208012  | NSYSBMB208012 |               |
|                           |       | 300   | 120              | 4            | NSYSBM303012   | NSYSBMC303012 | -             |
| 300                       | 400   | 120   | 4                | NSYSBM304012 | NSYSBMC304012  | -             |               |
|                           | 500   | 120   | 6                | NSYSBM305012 | -              | -             |               |
|                           | 600   | 120   | 6                | NSYSBM306012 | NSYSBMC306012  | -             |               |
|                           | 800   | 120   | 6                | NSYSBM308012 | NSYSBMC308012  | -             |               |
| 400                       | 400   | 120   | 4                | NSYSBM404012 | NSYSBMC404012  | -             |               |
|                           | 500   | 120   | 6                | NSYSBM405012 | -              | -             |               |
|                           | 600   | 120   | 6                | NSYSBM406012 | NSYSBMC406012  | -             |               |
|                           | 800   | 120   | 6                | NSYSBM408012 | NSYSBMC408012  | -             |               |

(1) For Bus box, divide by 2.



# Steel wall-mounting enclosures



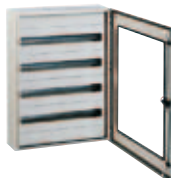
PB500196-22



### **Spacial S3D** **50** **Steel wall-mounting enclosures**

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PB500086-54



### **Associated applicative offers**

|                                                         |     |
|---------------------------------------------------------|-----|
| <b>S3DM</b> Distribution modular enclosures             | 326 |
| <b>S3DB</b> Terminal enclosures                         | 328 |
| <b>S3DBFL</b> Terminal enclosures with FL21 cut-out     | 328 |
| <b>S3HD</b> Wall-mounting Heavy Duty enclosures         | 332 |
| <b>S3D 6G, S3D 6G K3</b> Seismic and nuclear enclosures | 346 |
| <b>VDM</b> 19" enclosures                               | 364 |
| <b>S3D</b> 19" enclosures                               | 367 |
| <b>S3HF</b> Electromagnetic compatibility               | 390 |
| <b>S3DEX</b> Potentially explosive atmospheres          | 400 |

➤ The **steel enclosure** with the greatest range of available dimensions on the market!



PE500198-48

PE500310-37



### Useful life

Quality of the welding and the coating.

PE500199



### Component security

- Water and dust tightness and impact resistance.
- EMC and ATEX offer.

PE500097-13



### Increased choice

- Large range of universal dimensions.
- Application offer with special dimensions.

PE500199



### Easy maintenance

- Removable hinges.
- 1 lock command from the height of 600 mm.

PE500304-32



### Personnel safety

- Earthing studs welded to the body and door.
- 3-point lock from the height of 600 mm.

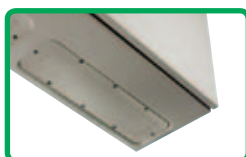
PE500306-32



### Added value to your work

Quality and aesthetics.

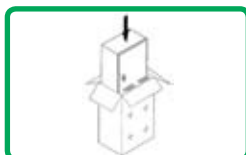
PE500305-29



### Easy equipping

- Four 10-mm shouldered welded studs.
- Broad range of mounting plates.
- Broad range of cable-gland plates.
- Wire guides welded to the door from the height of 400 mm.

DB300073-12



### Easy handling

- Reusable, eco-friendly packaging.
- No sharp corners.

This range can be configured according to your needs

4 different services available:



Assemble to order



Mounting of standard accessories



Painting



Machining

See page 450 for details or consult our web site [www.schneider-electric.com](http://www.schneider-electric.com)

# Steel wall-mounting enclosures

## Characteristics



| Characteristics              | Spacial S3D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              | <p>Three steel enclosure definitions are available:</p> <ul style="list-style-type: none"> <li>■ Enclosure with plain door.</li> <li>■ Enclosure with plain door delivered with a galvanised plain mounting plate, not installed.</li> <li>■ Enclosure with glazed door, 4-mm-thick Securit® glass.</li> </ul> <p><b>Personnel protection</b></p> <ul style="list-style-type: none"> <li>■ Earth connection: Spacial S3D steel enclosures are equipped with M6 x 16 earth studs welded in the body and the door for equipotential connection. Earth braid to be ordered separately (see page 301).</li> <li>■ Closing the enclosure: the enclosures are equipped from the height of 600 mm with three locking points with linkage, with a single control point, preventing the enclosures from being left ajar. Locks and inserts, page 66.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Material                     | Steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Finish                       | Structured finish, epoxy-polyester powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Colour                       | RAL 7035 grey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Ingress protection rating    | <ul style="list-style-type: none"> <li>■ IP66 for the single-door enclosures and IP55 for the double-door enclosures, according to IEC 60529</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Mechanical protection rating | <ul style="list-style-type: none"> <li>■ IK10 for the plain-door enclosures, according to IEC 62262</li> <li>■ IK08 for the glazed-door enclosures</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Standards                    | <p>Compliance with enclosure standards IEC 62208</p> <p>The Spacial S3D wall-mounting enclosures are compliant with the RoHS directive</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Certifications               | <ul style="list-style-type: none"> <li>■ UL, CUL, BV, DNV, GL, ATEX (modified enclosure)</li> <li>■ NEMA type 4, 4X for the single-door enclosures and NEMA type 12, 12K, 13 for the double-door enclosures according to NEMA 250 standard. Information on NEMA &amp; UL classification on pages 536 and 537</li> </ul> <p><b>Nuclear decontamination: RAL 7035 and AFNOR A550 tests available on demand. More information on coating properties on pages 538 and 539</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Installation                 | <p>Outdoor installation: compliant with IEC 62208 regarding type tests specified in §9.12 (resistance to ultra-violet (UV) radiation) and §9.13 (resistance to corrosion)</p> <p>It is always advisable to install a canopy to avoid water stagnation on the upper part of the enclosure</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Fixing                       | 4 (or 6**) M8 x 25 shouldered backstuds for installing mounting plates and step slides, leaving a space of 10 mm behind them.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Supply                       | <p><b>Body</b></p> <ul style="list-style-type: none"> <li>■ Single-piece body (cross-shaped structure). Gutter-shaped front profile with double fold. Flat rear</li> <li>■ M6 x 16 earthing screws for equipotential connection between the door and the body of the enclosure</li> <li>■ Cable-gland plate with marking for easy drilling and to guarantee the maximum access surface; delivered with the enclosure. This plate is flush with the body of the enclosure (detail and other options on page 70)</li> <li>■ Direct wall-mounting (4 Ø 10 holes for the sealing plugs guaranteeing the IP) or with the help of fixing lugs installed from the outside (to be ordered separately, see page 60)</li> </ul> <p><b>Door</b></p> <ul style="list-style-type: none"> <li>■ Wall-mounting enclosure supplied with 3-mm double-bar lock as standard</li> <li>■ Polyurethane door gasket</li> <li>■ M6 x 16 earthing screws for equipotential connection between the door and the body of the enclosure</li> <li>■ Easily removable and reversible, with 20-mm return with double thickness granting excellent rigidity, opening to 120°, equipped with 2 or 3 invisible hinges*</li> <li>■ Door opening to 180° with optional hinges (page 68)</li> <li>■ For heights from 600 mm, three locking points with linkage, with a single control point. Simple reversal of linkage. Maximum load: 50 kg/m<sup>2</sup></li> <li>■ A handle is delivered which provides 2 functions: <ul style="list-style-type: none"> <li><input type="checkbox"/> Operating key</li> <li><input type="checkbox"/> Tool for loosening the stud protection caps. This handle can be solidly attached to the locking system by means of a captive element</li> </ul> </li> <li>■ Perforated rails on the door, with drill holes with a diameter of 4.2 mm in steps of 25 mm: <ul style="list-style-type: none"> <li><input type="checkbox"/> 2 vertical rails from the height of 400 mm</li> <li><input type="checkbox"/> 2 vertical rails and 2 horizontal rails from the width of 800 mm</li> </ul> </li> </ul> |

\* From the height of 800 mm.

\*\* 6 studs for widths 1000 and 1200 (see pages 74 and 75).

# Steel wall-mounting enclosures

## Selection guide



| Characteristics |      |      |              |       |                 | Door                |                        |                        | Mounting plate |                  |                 |                |
|-----------------|------|------|--------------|-------|-----------------|---------------------|------------------------|------------------------|----------------|------------------|-----------------|----------------|
| Dimensions (mm) |      |      | No. of doors | IP    | Weight (kg) (2) | Plain               |                        | Glazed                 | Plain          | Silkscreened (3) | Microperforated |                |
| H               | W    | D    |              |       |                 | With mounting plate | Without mounting plate | Without mounting plate |                |                  |                 |                |
| 300             | 200  | 150  | 1            | 66    | 3.02            | NSYS3D3215P         | NSYS3D3215             | -                      | NSYMM32        | -                | NSYMF32         |                |
|                 | 250  | 150  | 1            | 66    | 3.48            | NSYS3D32515P        | NSYS3D32515            | NSYS3D32515T           | NSYMM3025      | -                | -               |                |
|                 | 300  | 150  | 1            | 66    | 3.90            | NSYS3D3315P         | NSYS3D3315             | NSYS3D3315T            | NSYMM33        | -                | NSYMF33         |                |
|                 |      | 200  | 1            | 66    | 4.50            | NSYS3D3320P         | NSYS3D3320             | NSYS3D3320T            | NSYMM33        | -                | NSYMF33         |                |
| 400             | 150  | 1    | 66           | 4.82  | NSYS3D3415P     | NSYS3D3415          | NSYS3D3415T            | NSYMM43                | NSYMS43        | NSYMF43          |                 |                |
|                 |      | 200  | 1            | 66    | 5.60            | NSYS3D3420P         | NSYS3D3420             | NSYS3D3420T            | NSYMM43        | NSYMS43          | NSYMF43         |                |
|                 | 300  | 150  | 1            | 66    | 4.90            | NSYS3D4315P         | NSYS3D4315             | NSYS3D4315T            | NSYMM43        | NSYMS43          | NSYMF43         |                |
|                 |      | 200  | 1            | 66    | 5.00            | NSYS3D4320P         | NSYS3D4320             | NSYS3D4320T            | NSYMM43        | NSYMS43          | NSYMF43         |                |
| 400             | 200  | 1    | 66           | 6.50  | NSYS3D4420P     | NSYS3D4420          | NSYS3D4420T            | NSYMM44                | NSYMS44        | NSYMF44          |                 |                |
|                 |      | 250  | 1            | 66    | 10.50           | NSYS3D4620P         | NSYS3D4620             | NSYS3D4620T            | NSYMM64        | NSYMS64          | NSYMF64         |                |
|                 | 600  | 250  | 1            | 66    | 12.00           | NSYS3D4625P         | NSYS3D4625             | NSYS3D4625T            | NSYMM64        | NSYMS64          | NSYMF64         |                |
|                 |      | 300  | 1            | 66    | 7.50            | NSYS3D5320P         | NSYS3D5320             | NSYS3D5320T            | NSYMM53        | NSYMS53          | NSYMF53         |                |
| 500             | 400  | 200  | 1            | 66    | 9.30            | NSYS3D5420P         | NSYS3D5420             | NSYS3D5420T            | NSYMM54        | NSYMS54          | NSYMF54         |                |
|                 |      | 250  | 1            | 66    | 10.20           | NSYS3D5425P         | NSYS3D5425             | NSYS3D5425T            | NSYMM54        | NSYMS54          | NSYMF54         |                |
|                 | 500  | 200  | 1            | 66    | 11.18           | NSYS3D5520P         | NSYS3D5520             | NSYS3D5520T            | NSYMM55        | NSYMS55          | NSYMF55         |                |
|                 |      | 250  | 1            | 66    | 12.06           | NSYS3D5525P         | NSYS3D5525             | NSYS3D5525T            | NSYMM55        | NSYMS55          | NSYMF55         |                |
| 600             | 400  | 200  | 1            | 66    | 11.00           | NSYS3D6420P         | NSYS3D6420             | NSYS3D6420T            | NSYMM64        | NSYMS64          | NSYMF64         |                |
|                 |      | 250  | 1            | 66    | 12.00           | NSYS3D6425P         | NSYS3D6425             | NSYS3D6425T            | NSYMM64        | NSYMS64          | NSYMF64         |                |
|                 | 500  | 250  | 1            | 66    | 16.20           | NSYS3D6525P         | NSYS3D6525             | NSYS3D6525T            | NSYMM65        | -                | NSYMF65         |                |
|                 |      | 600  | 200          | 1     | 66              | 14.00               | NSYS3D6620P            | NSYS3D6620             | NSYS3D6620T    | NSYMM66          | NSYMS66         | NSYMF66        |
|                 | 600  | 250  | 1            | 66    | 15.00           | NSYS3D6625P         | NSYS3D6625             | NSYS3D6625T            | NSYMM66        | NSYMS66          | NSYMF66         |                |
|                 |      |      | 300          | 1     | 66              | 17.00               | NSYS3D6630P            | NSYS3D6630             | NSYS3D6630T    | NSYMM66          | NSYMS66         | NSYMF66        |
|                 |      | 400  | 1            | 66    | 19.00           | NSYS3D6640P         | NSYS3D6640             | NSYS3D6640T            | NSYMM66        | NSYMS66          | NSYMF66         |                |
|                 |      |      | 300          | 1     | 66              | 25.50               | NSYS3D6830P            | NSYS3D6830             | NSYS3D6830T    | NSYMM86          | NSYMS86         | NSYMF86        |
| 700             | 500  | 250  | 1            | 66    | 15.00           | NSYS3D7525P         | NSYS3D7525             | NSYS3D7525T            | NSYMM75        | NSYMS75          | NSYMF75         |                |
| 800             | 600  | 200  | 1            | 66    | 21.00           | NSYS3D8620P         | NSYS3D8620             | NSYS3D8620T            | NSYMM86        | NSYMS86          | NSYMF86         |                |
|                 |      | 250  | 1            | 66    | 23.00           | NSYS3D8625P         | NSYS3D8625             | NSYS3D8625T            | NSYMM86        | NSYMS86          | NSYMF86         |                |
|                 | 600  | 300  | 1            | 66    | 25.00           | NSYS3D8630P         | NSYS3D8630             | NSYS3D8630T            | NSYMM86        | NSYMS86          | NSYMF86         |                |
|                 |      | 400  | 1            | 66    | 29.00           | NSYS3D8640P         | NSYS3D8640             | NSYS3D8640T            | NSYMM86        | NSYMS86          | NSYMF86         |                |
|                 |      | 800  | 250          | 1     | 66              | 30.00               | NSYS3D8825P            | NSYS3D8825             | NSYS3D8825T    | NSYMM88          | -               | NSYMF88        |
|                 |      |      | 300          | 1     | 66              | 32.00               | NSYS3D8830P            | NSYS3D8830             | NSYS3D8830T    | NSYMM88          | -               | NSYMF88        |
|                 | 1000 | 300  | 1            | 66    | 38.00           | NSYS3D81030P        | NSYS3D81030            | -                      | NSYMM108       | -                | NSYMF108        |                |
|                 |      | 300  | 2            | 55    | 43.50           | NSYS3D81030DP       | NSYS3D81030DP          | -                      | NSYMM108       | -                | NSYMF108        |                |
|                 |      | 1200 | 300          | 2     | 55              | 46.00               | NSYS3D81230DP          | NSYS3D81230DP          | -              | NSYMM128         | -               | NSYMF128       |
|                 |      |      | 600          | 250   | 1               | 66                  | 28.00                  | NSYS3D10625P           | NSYS3D10625    | NSYS3D10625T     | NSYMM106        | -              |
|                 | 1000 | 600  | 300          | 1     | 66              | 30.60               | NSYS3D10630P           | NSYS3D10630            | NSYS3D10630T   | NSYMM106         | -               | NSYMF106       |
|                 |      |      | 400          | 1     | 66              | 33.00               | NSYS3D10640P           | NSYS3D10640            | NSYS3D10640T   | NSYMM106         | -               | NSYMF106       |
| 800             |      | 250  | 1            | 66    | 35.00           | NSYS3D10825P        | NSYS3D10825            | NSYS3D10825T           | NSYMM108       | -                | NSYMF108        |                |
|                 |      | 300  | 1            | 66    | 38.00           | NSYS3D10830P        | NSYS3D10830            | NSYS3D10830T           | NSYMM108       | -                | NSYMF108        |                |
|                 |      | 400  | 1            | 66    | 42.00           | NSYS3D10840P        | NSYS3D10840            | NSYS3D10840T           | NSYMM108       | -                | NSYMF108        |                |
|                 |      |      | 300          | 1     | 66              | 46.00               | NSYS3D101030P          | NSYS3D101030           | NSYS3D101030T  | NSYMM1010        | -               | NSYMF1010      |
| 1200            |      | 300  | 2            | 55    | 46.00           | NSYS3D101030DP      | NSYS3D101030DP         | NSYS3D101030DT         | NSYMM1010      | -                | NSYMF1010       |                |
|                 |      |      | 400          | 2     | 55              | 53.00               | NSYS3D101230DP         | NSYS3D101230DP         | -              | NSYMM1210        | -               | NSYMF1210      |
|                 |      | 400  | 2            | 55    | 60.00           | NSYS3D101240DP      | NSYS3D101240DP         | -                      | NSYMM1210      | -                | NSYMF1210       |                |
|                 |      |      | 600          | 300   | 1               | 66                  | 37.00                  | NSYS3D12630P           | NSYS3D12630    | NSYS3D12630T     | NSYMM126        | -              |
| 1200            |      | 600  | 400          | 1     | 66              | 42.00               | NSYS3D12640P           | NSYS3D12640            | NSYS3D12640T   | NSYMM126         | -               | NSYMF126       |
|                 |      |      | 800          | 300   | 1               | 66                  | 45.00                  | NSYS3D12830P           | NSYS3D12830    | NSYS3D12830T     | NSYMM128        | -              |
|                 | 400  | 1    | 66           | 49.00 | NSYS3D12840P    | NSYS3D12840         | NSYS3D12840T           | NSYMM128               | -              | NSYMF128         |                 |                |
|                 |      | 300  | 1            | 66    | 53.00           | NSYS3D121030P       | NSYS3D121030           | NSYS3D121030T          | NSYMM1210      | -                | NSYMF1210       |                |
|                 | 1000 | 300  | 2            | 55    | 54.00           | NSYS3D121030DP      | NSYS3D121030DP         | NSYS3D121030DT         | NSYMM1210      | -                | NSYMF1210       |                |
|                 |      |      | 400          | 2     | 55              | 61.00               | NSYS3D121040DP         | NSYS3D121040DP         | -              | NSYMM1210        | -               | NSYMF1210      |
|                 |      | 1200 | 300          | 2     | 55              | 64.00               | NSYS3D121230DP         | NSYS3D121230DP         | -              | NSYMM1212        | -               | 2 x NSYMF126 + |
|                 |      |      | 400          | 2     | 55              | 90.00               | NSYS3D121240DP         | NSYS3D121240DP         | -              | NSYMM1212        | -               | 2 x NSYMF126 + |
| 1400            | 1000 | 300  | 2            | 55    | 80.00           | NSYS3D141030DP      | NSYS3D141030DP         | -                      | NSYMM1410      | -                | -               |                |

(1) For other dimensions, see our application offer.  
 (2) Enclosure without mounting plate.  
 (3) In inverted use, the marking is inverted.

**Wall-fixing lugs**

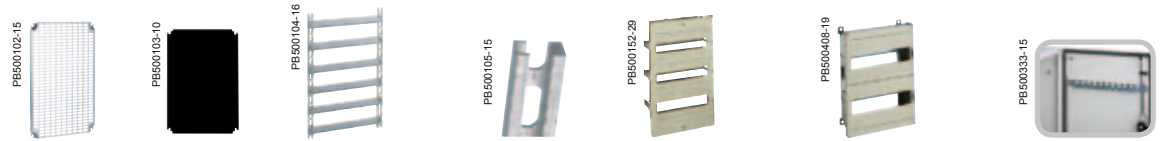
Steel: **NSYAEFPFSC**  
 Stainless steel: **NSYAEFPFXSC**  
 Page 60

**Reinforcement for heavy loads**

**NSYAEFAHLBSC**  
 Page 60

**Locking accessories**

Page 66



| Characteristics |      |               | Mounting plate |               |                  |          | Modular mounting plate       |                    |           |                |                    |           |
|-----------------|------|---------------|----------------|---------------|------------------|----------|------------------------------|--------------------|-----------|----------------|--------------------|-----------|
| Dimensions (mm) |      |               | Telequick      | Bakelite      | DIN rail chassis | Type     | Aluminium vertical rails (4) | Modular chassis    |           | No. of modules | Door cross-rails   |           |
| H               | W    | D             |                |               |                  |          |                              | DLA Insulated      | DLM Steel |                |                    |           |
| 300             | 200  | 150           | NSYMR32        | NSYMB32       | -                | -        | NSYMDVR3                     | -                  | -         | -              | -                  |           |
|                 |      | 250           | NSYMR3025      | NSYMB3025     | -                | -        | NSYMDVR3                     | -                  | -         | -              | -                  |           |
|                 | 300  | 150           | NSYMR33        | NSYMB33       | NSYMD33          | B        | NSYMDVR3                     | -                  | -         | -              | -                  |           |
|                 |      | 200           | NSYMR33        | NSYMB33       | NSYMD33          | B        | NSYMDVR3                     | -                  | -         | -              | -                  |           |
| 400             | 400  | 150           | NSYMR34        | NSYMB43       | -                | -        | NSYMDVR3                     | -                  | -         | -              | -                  |           |
|                 |      | 200           | NSYMR34        | NSYMB43       | -                | -        | NSYMDVR3                     | -                  | -         | -              | -                  |           |
|                 | 300  | 150           | NSYMR43        | NSYMB43       | NSYMD43          | B        | NSYMDVR4                     | -                  | NSYDLM24  | 24             | -                  |           |
|                 |      | 200           | NSYMR43        | NSYMB43       | NSYMD43          | B        | NSYMDVR4                     | NSYDLA24           | NSYDLM24  | 24             | -                  |           |
|                 | 400  | 200           | NSYMR44        | -             | -                | -        | NSYMDVR4                     | -                  | -         | -              | NSYTFPCR4          |           |
|                 |      | 600           | 200            | NSYMR46       | NSYMB64          | -        | -                            | NSYMDVR4           | -         | -              | -                  | NSYTFPCR6 |
| 500             | 300  | 200           | NSYMR46        | NSYMB64       | -                | -        | NSYMDVR4                     | -                  | -         | -              | NSYTFPCR6          |           |
|                 |      | 250           | NSYMR46        | NSYMB64       | -                | -        | NSYMDVR4                     | -                  | -         | -              | NSYTFPCR6          |           |
| 500             | 400  | 200           | NSYMR53        | -             | -                | -        | NSYMDVR5                     | -                  | -         | -              | -                  |           |
|                 |      | 250           | NSYMR53        | -             | -                | -        | NSYMDVR5                     | -                  | -         | -              | -                  |           |
|                 | 400  | 200           | NSYMR54        | NSYMB54       | NSYMD54          | B        | NSYMDVR5                     | NSYDLA48           | NSYDLM48  | 48             | NSYTFPCR4          |           |
|                 |      | 250           | NSYMR54        | NSYMB54       | NSYMD54          | B        | NSYMDVR5                     | -                  | NSYDLM48  | 48             | NSYTFPCR4          |           |
|                 | 500  | 200           | NSYMR55        | -             | -                | -        | NSYMDVR5                     | -                  | -         | -              | NSYTFPCR5          |           |
|                 |      | 250           | NSYMR55        | -             | -                | -        | NSYMDVR5                     | -                  | -         | -              | NSYTFPCR5          |           |
| 600             | 400  | 200           | NSYMR64        | NSYMB64       | NSYMD64          | B        | NSYMDVR6                     | NSYDLA48P          | NSYDLM48P | 48             | NSYTFPCR4          |           |
|                 |      | 250           | NSYMR64        | NSYMB64       | NSYMD64          | B        | NSYMDVR6                     | NSYDLA48P          | NSYDLM48P | 48             | NSYTFPCR4          |           |
|                 | 500  | 250           | NSYMR65        | NSYMB65       | -                | -        | NSYMDVR6                     | -                  | -         | -              | -                  |           |
|                 |      | 600           | 200            | NSYMR66       | -                | NSYMD66  | A                            | NSYMDVR6           | -         | NSYDLM84P      | 84                 | NSYTFPCR6 |
|                 | 600  | 250           | NSYMR66        | -             | NSYMD66          | A        | NSYMDVR6                     | -                  | NSYDLM84P | 84             | NSYTFPCR6          |           |
|                 |      | 300           | NSYMR66        | -             | NSYMD66          | A        | NSYMDVR6                     | -                  | NSYDLM84P | 84             | NSYTFPCR6          |           |
|                 | 600  | 400           | NSYMR66        | -             | NSYMD66          | A        | NSYMDVR6                     | -                  | NSYDLM84P | 84             | NSYTFPCR6          |           |
|                 |      | 800           | 300            | NSYMR68       | NSYMB86          | NSYMD86  | A                            | NSYMDVR6           | -         | -              | -                  | NSYTFPCR8 |
|                 | 700  | 500           | 250            | NSYMR75       | NSYMB75          | NSYMD75  | B                            | NSYMDVR7           | NSYDLA66  | NSYDLM66       | 66                 | NSYTFPCR5 |
|                 |      |               | 800            | 600           | 200              | NSYMR86  | NSYMB86                      | NSYMD86            | A         | NSYMDVR8       | NSYDLA84/NSYDLA112 | NSYDLM84  |
| 800             | 600  | 250           | NSYMR86        | NSYMB86       | NSYMD86          | A        | NSYMDVR8                     | NSYDLA84/NSYDLA112 | NSYDLM112 | 112*           | NSYTFPCR6          |           |
|                 |      | 300           | NSYMR86        | NSYMB86       | NSYMD86          | A        | NSYMDVR8                     | NSYDLA84/NSYDLA112 | NSYDLM112 | 112*           | NSYTFPCR6          |           |
|                 | 400  | NSYMR86       | NSYMB86        | NSYMD86       | A                | NSYMDVR8 | NSYDLA84/NSYDLA112           | NSYDLM112          | 112*      | NSYTFPCR6      |                    |           |
|                 |      | NSYMR86       | NSYMB86        | NSYMD86       | A                | NSYMDVR8 | NSYDLA84/NSYDLA112           | NSYDLM112          | 112*      | NSYTFPCR6      |                    |           |
|                 | 800  | 250           | NSYMR88        | -             | -                | -        | NSYMDVR8                     | -                  | -         | -              | NSYTFPCR8          |           |
|                 |      | 300           | NSYMR88        | -             | -                | -        | NSYMDVR8                     | -                  | -         | -              | NSYTFPCR8          |           |
| 1000            | 300  | NSYMR810      | NSYMB108       | -             | -                | NSYMDVR8 | -                            | -                  | -         | NSYTFPCR10     |                    |           |
|                 |      | NSYMR810      | NSYMB108       | -             | -                | NSYMDVR8 | -                            | -                  | -         | NSYTFPCR10     |                    |           |
| 1200            | 300  | 2 x NSYMR86 + | 2 x NSYMB86 +  | 2 x NSYMD86 + | A                | NSYMDVR8 | -                            | -                  | -         | -              |                    |           |
|                 |      | NSYMR86 +     | NSYMB86 +      | NSYMD86 +     | A                | NSYMDVR8 | -                            | -                  | -         | -              |                    |           |
| 1000            | 600  | 250           | NSYMR106       | NSYMB106      | -                | -        | NSYMDVR10                    | -                  | NSYDLM168 | 168**          | NSYTFPCR6          |           |
|                 |      | 300           | NSYMR106       | NSYMB106      | -                | -        | NSYMDVR10                    | -                  | NSYDLM168 | 168**          | NSYTFPCR6          |           |
|                 |      | 400           | NSYMR106       | NSYMB106      | -                | -        | NSYMDVR10                    | -                  | NSYDLM168 | 168**          | NSYTFPCR6          |           |
|                 | 800  | 250           | NSYMR108       | NSYMB108      | NSYMD108         | A        | NSYMDVR10                    | NSYDLA234          | NSYDLM240 | 240            | NSYTFPCR8          |           |
|                 |      | 300           | NSYMR108       | NSYMB108      | NSYMD108         | A        | NSYMDVR10                    | NSYDLA234          | NSYDLM240 | 240            | NSYTFPCR8          |           |
|                 |      | 400           | NSYMR108       | NSYMB108      | NSYMD108         | A        | NSYMDVR10                    | NSYDLA234          | NSYDLM240 | 240            | NSYTFPCR8          |           |
|                 | 1000 | 300           | NSYMR1010 (5)  | -             | -                | -        | NSYMDVR10                    | -                  | -         | -              | NSYTFPCR10         |           |
|                 |      |               | NSYMR1010 (5)  | -             | -                | -        | NSYMDVR10                    | -                  | -         | -              | NSYTFPCR10         |           |
|                 | 1200 | 300           | NSYMR1012 (5)  | NSYMB1210     | -                | -        | NSYMDVR10                    | -                  | -         | -              | -                  |           |
|                 |      |               | NSYMR1012 (5)  | NSYMB1210     | -                | -        | NSYMDVR10                    | -                  | -         | -              | -                  |           |
|                 | 1200 | 600           | 300            | -             | -                | -        | NSYMDVR12                    | -                  | -         | -              | -                  |           |
|                 |      |               | 400            | -             | -                | -        | NSYMDVR12                    | -                  | -         | -              | -                  |           |
| 800             |      | 300           | NSYMR128       | -             | NSYMD128         | A        | NSYMDVR12                    | -                  | -         | -              | NSYTFPCR8          |           |
|                 |      | 400           | NSYMR128       | -             | NSYMD128         | A        | NSYMDVR12                    | -                  | -         | -              | NSYTFPCR8          |           |
| 1000            |      | 300           | NSYMR1210 (5)  | NSYMB1210     | -                | -        | NSYMDVR12                    | -                  | -         | -              | NSYTFPCR10         |           |
|                 |      | 400           | NSYMR1210 (5)  | NSYMB1210     | -                | -        | NSYMDVR12                    | -                  | -         | -              | NSYTFPCR10         |           |
| 1200            |      | 300           | 2 x NSYMR126 + | -             | -                | -        | NSYMDVR12                    | -                  | -         | -              | -                  |           |
|                 |      |               | 2 x NSYMR126 + | -             | -                | -        | NSYMDVR12                    | -                  | -         | -              | -                  |           |
| 1400            |      | 1000          | 300            | NSYMR1410 (5) | -                | -        | -                            | -                  | -         | -              | -                  |           |
|                 |      |               | NSYMR1410 (5)  | -             | -                | -        | -                            | -                  | -         | -              | -                  |           |

+ Order **NSYCRNGSDR** for double mounting of the mounting plates.

(4) Order nuts ref. **NSYAMCSF**. Steel siderail ref. **NSYMDVR12**.

(5) When width ≥ 1000 ref. **NSYEMR** is mandatory (see on page 74).

\* Possible assembling to ref. **NSYDLM84P** or **NSYDLM112**.

\*\* Possible assembling to ref. **NSYDLM168** or **NSYDLM240**.

**Door accessories**

Pages 295 to 297

**Clip-on nuts**

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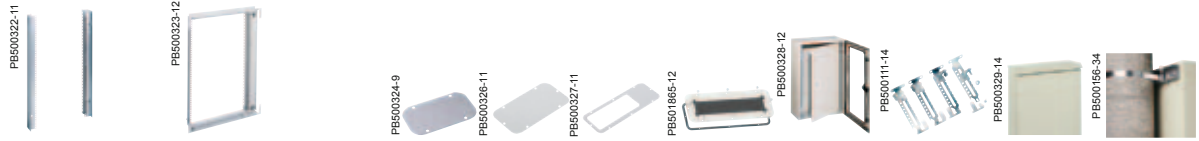
**Self-tapping screw**

NSYS13M5HS

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# Steel wall-mounting enclosures

## Selection guide



| Characteristics        |      |      | Electronics and networks<br>19" racks |            |            |            | Cable-entry accessories<br>Cable-gland plates |                |           |                                           | Composition accessories |                   |               |            |                |            |
|------------------------|------|------|---------------------------------------|------------|------------|------------|-----------------------------------------------|----------------|-----------|-------------------------------------------|-------------------------|-------------------|---------------|------------|----------------|------------|
| Dimensions (1)<br>(mm) |      |      | Fixed                                 | No. of U   | Swing      | No. of U   | Entry type                                    | Standard steel | Aluminium | Steel with cut-out<br>For FL membrane (2) | FlexiCable              | Internal door (3) | Step slides   | Canopy     | Fixing on post |            |
| H                      | W    | D    |                                       |            |            |            |                                               |                |           |                                           |                         |                   |               |            |                |            |
| 300                    | 200  | 150  | -                                     | -          | -          | -          | A                                             | NSYTLA         | NSYTLAU   | -                                         | -                       | -                 | -             | NSYTJ2015  | -              |            |
|                        |      | 250  | 150                                   | -          | -          | -          | A                                             | NSYTLA         | NSYTLAU   | -                                         | -                       | -                 | -             | NSYTJ2515  | -              |            |
|                        |      | 300  | 150                                   | -          | -          | -          | B                                             | NSYTLB         | NSYTLBU   | -                                         | -                       | -                 | -             | NSYTJ3015  | NSYSFPSC30     |            |
|                        | 400  | 200  | 150                                   | -          | -          | -          | C                                             | NSYTLA         | NSYTLAU   | NSYTLBFL                                  | NSYTLBFL                | -                 | -             | NSYSDCR200 | NSYTJ3020      | NSYSFPSC30 |
|                        |      |      | 250                                   | -          | -          | -          | B                                             | NSYTLB         | NSYTLBU   | NSYTLBFL                                  | -                       | -                 | -             | NSYTJ4015  | NSYSFPSC40     |            |
|                        |      | 300  | 200                                   | -          | -          | -          | D                                             | NSYTLA         | NSYTLAU   | NSYTLDFL                                  | NSYTLDFL                | -                 | NSYSDCR200    | NSYTJ4020  | NSYSFPSC40     |            |
|                        | 400  | 300  | 150                                   | -          | -          | -          | B                                             | NSYTLB         | NSYTLBU   | NSYTLBFL                                  | -                       | NSYPIN43          | -             | NSYSDCR200 | NSYTJ3015      | NSYSFPSC30 |
|                        |      |      | 200                                   | -          | -          | -          | C                                             | NSYTLA         | NSYTLAU   | NSYTLBFL                                  | NSYTLBFL                | NSYTLBFL          | NSYPIN43      | NSYSDCR200 | NSYTJ3020      | NSYSFPSC30 |
|                        |      | 400  | 200                                   | -          | -          | -          | D                                             | NSYTLA         | NSYTLAU   | NSYTLDFL                                  | NSYTLDFL                | -                 | NSYSDCR200    | NSYTJ4020  | NSYSFPSC40     |            |
|                        |      |      | 250                                   | -          | -          | -          | D                                             | NSYTLA         | NSYTLAU   | NSYTLDFL                                  | NSYTLDFL                | -                 | NSYSDCR200    | NSYTJ4020  | NSYSFPSC40     |            |
|                        |      | 600  | 200                                   | NSYVDM8UF  | 8          | NSYVDM7UP  | 7                                             | F              | NSYTLF    | NSYTLFU                                   | NSYTLFFL                | NSYTLFFL          | -             | NSYSDCR200 | NSYTJ6020      | NSYSFPSC60 |
|                        |      |      | 250                                   | NSYVDM8UF  | 8          | NSYVDM7UP  | 7                                             | F              | NSYTLF    | NSYTLFU                                   | NSYTLFFL                | NSYTLFFL          | -             | NSYSDCR250 | NSYTJ6025      | NSYSFPSC60 |
| 500                    | 300  | 200  | -                                     | -          | -          | C          | NSYTLA                                        | NSYTLAU        | NSYTLBFL  | NSYTLBFL                                  | -                       | NSYSDCR200        | NSYTJ3020     | NSYSFPSC30 |                |            |
|                        |      | 400  | 200                                   | -          | -          | -          | D                                             | NSYTLA         | NSYTLAU   | NSYTLDFL                                  | NSYTLDFL                | NSYPIN54          | NSYSDCR200    | NSYTJ4020  | NSYSFPSC40     |            |
|                        | 500  | 250  | -                                     | -          | -          | -          | D                                             | NSYTLA         | NSYTLAU   | NSYTLDFL                                  | NSYTLDFL                | NSYPIN54          | NSYSDCR250    | NSYTJ4025  | NSYSFPSC40     |            |
|                        |      |      | -                                     | -          | -          | -          | E                                             | NSYTLA         | NSYTLAU   | NSYTLDFL                                  | NSYTLDFL                | -                 | NSYSDCR200    | NSYTJ5020  | NSYSFPSC50     |            |
|                        | 600  | 400  | 200                                   | -          | -          | -          | D                                             | NSYTLA         | NSYTLAU   | NSYTLDFL                                  | NSYTLDFL                | NSYPIN64          | NSYSDCR200    | NSYTJ4020  | NSYSFPSC40     |            |
|                        |      |      | 250                                   | -          | -          | -          | D                                             | NSYTLA         | NSYTLAU   | NSYTLDFL                                  | NSYTLDFL                | NSYPIN64          | NSYSDCR250    | NSYTJ4025  | NSYSFPSC40     |            |
| 600                    | 500  | 250  | -                                     | -          | -          | E          | NSYTLA                                        | NSYTLAU        | NSYTLDFL  | NSYTLDFL                                  | -                       | NSYSDCR250        | NSYTJ5025     | NSYSFPSC50 |                |            |
|                        |      | 300  | NSYVDM12UF                            | 12         | NSYVDM11UP | 11         | F                                             | NSYTLF         | NSYTLFU   | NSYTLFFL                                  | NSYTLFFL                | -                 | NSYSDCR200    | NSYTJ6020  | NSYSFPSC60     |            |
|                        | 600  | 250  | NSYVDM12UF                            | 12         | NSYVDM11UP | 11         | F                                             | NSYTLF         | NSYTLFU   | NSYTLFFL                                  | NSYTLFFL                | -                 | NSYSDCR250    | NSYTJ6025  | NSYSFPSC60     |            |
|                        |      | 300  | NSYVDM12UF                            | 12         | NSYVDM11UP | 11         | G                                             | NSYTLG         | NSYTLGU   | NSYTLG2FL**                               | NSYTLG2FL**             | -                 | NSYSDCR300    | NSYTJ6030  | NSYSFPSC60     |            |
|                        | 800  | 400  | 400                                   | NSYVDM12UF | 12         | NSYVDM11UP | 11                                            | G              | NSYTLG    | NSYTLGU                                   | NSYTLG2FL**             | NSYTLG2FL**       | -             | NSYSDCR400 | NSYTJ6040      | NSYSFPSC60 |
|                        |      |      | 300                                   | -          | -          | -          | D*                                            | NSYTLA         | NSYTLAU   | NSYTLDFL                                  | NSYTLDFL                | -                 | NSYSDCR300    | NSYTJ8030  | NSYSFPSC80     |            |
| 700                    | 500  | 250  | -                                     | -          | -          | E          | NSYTLA                                        | NSYTLAU        | NSYTLDFL  | NSYTLDFL                                  | NSYPIN75                | NSYSDCR250        | NSYTJ5025     | NSYSFPSC50 |                |            |
|                        |      | 600  | 200                                   | NSYVDM17UF | 17         | NSYVDM16UP | 16                                            | F              | NSYTLF    | NSYTLFU                                   | NSYTLFFL                | NSYTLFFL          | NSYPIN86      | NSYSDCR200 | NSYTJ6020      | NSYSFPSC60 |
|                        | 800  | 250  | -                                     | -          | -          | -          | F                                             | NSYTLF         | NSYTLFU   | NSYTLFFL                                  | NSYTLFFL                | NSYPIN86          | NSYSDCR250    | NSYTJ6025  | NSYSFPSC60     |            |
|                        |      |      | -                                     | -          | -          | -          | G                                             | NSYTLG         | NSYTLGU   | NSYTLG2FL**                               | NSYTLG2FL**             | NSYPIN86          | NSYSDCR300    | NSYTJ6030  | NSYSFPSC60     |            |
|                        | 800  | 400  | 400                                   | NSYVDM17UF | 17         | NSYVDM16UP | 16                                            | G              | NSYTLG    | NSYTLGU                                   | NSYTLG2FL**             | NSYTLG2FL**       | NSYPIN86      | NSYSDCR400 | NSYTJ6040      | NSYSFPSC60 |
|                        |      |      | 250                                   | -          | -          | -          | D*                                            | NSYTLA         | NSYTLAU   | NSYTLDFL                                  | NSYTLDFL                | -                 | NSYSDCR250    | NSYTJ8025  | NSYSFPSC80     |            |
|                        | 1000 | 300  | -                                     | -          | -          | -          | D*                                            | NSYTLA         | NSYTLAU   | NSYTLDFL                                  | NSYTLDFL                | -                 | NSYSDCR300    | NSYTJ8030  | NSYSFPSC80     |            |
|                        |      |      | -                                     | -          | -          | -          | E*                                            | NSYTLA         | NSYTLAU   | NSYTLDFL                                  | NSYTLDFL                | -                 | NSYSDCR300    | NSYTJ10030 | -              |            |
|                        | 1200 | 300  | -                                     | -          | -          | -          | E*                                            | NSYTLA         | NSYTLAU   | NSYTLDFL                                  | NSYTLDFL                | -                 | NSYSDCR300    | NSYTJ10030 | -              |            |
|                        |      |      | -                                     | -          | -          | -          | E*                                            | NSYTLA         | NSYTLAU   | NSYTLDFL                                  | NSYTLDFL                | -                 | NSYSDCR300*** | NSYTJ12030 | -              |            |
|                        | 1000 | 600  | 250                                   | NSYVDM21UF | 21         | NSYVDM20UP | 20                                            | F              | NSYTLF    | NSYTLFU                                   | NSYTLFFL                | NSYTLFFL          | NSYPIN106     | NSYSDCR250 | NSYTJ6025      | -          |
|                        |      |      | 300                                   | NSYVDM21UF | 21         | NSYVDM20UP | 20                                            | G              | NSYTLG    | NSYTLGU                                   | NSYTLG2FL**             | NSYTLG2FL**       | NSYPIN106     | NSYSDCR300 | NSYTJ6030      | -          |
| 800                    |      | 400  | 400                                   | NSYVDM21UF | 21         | NSYVDM20UP | 20                                            | G              | NSYTLG    | NSYTLGU                                   | NSYTLG2FL**             | NSYTLG2FL**       | NSYPIN106     | NSYSDCR400 | NSYTJ6040      | -          |
|                        |      |      | 250                                   | -          | -          | -          | D*                                            | NSYTLA         | NSYTLAU   | NSYTLDFL                                  | NSYTLDFL                | -                 | NSYSDCR250    | NSYTJ8025  | -              |            |
| 1000                   |      | 300  | -                                     | -          | -          | -          | D*                                            | NSYTLA         | NSYTLAU   | NSYTLDFL                                  | NSYTLDFL                | NSYPIN108         | NSYSDCR300    | NSYTJ8030  | -              |            |
|                        |      |      | -                                     | -          | -          | -          | D*                                            | NSYTLA         | NSYTLAU   | NSYTLDFL                                  | NSYTLDFL                | NSYPIN108         | NSYSDCR400    | NSYTJ8040  | -              |            |
| 1200                   |      | 300  | -                                     | -          | -          | -          | E*                                            | NSYTLA         | NSYTLAU   | NSYTLDFL                                  | NSYTLDFL                | -                 | NSYSDCR300    | NSYTJ10030 | -              |            |
|                        |      |      | -                                     | -          | -          | -          | E*                                            | NSYTLA         | NSYTLAU   | NSYTLDFL                                  | NSYTLDFL                | -                 | NSYSDCR300    | NSYTJ10030 | -              |            |
| 1200                   |      | 600  | 300                                   | -          | -          | -          | E*                                            | NSYTLA         | NSYTLAU   | NSYTLDFL                                  | NSYTLDFL                | -                 | NSYSDCR300*** | NSYTJ12030 | -              |            |
|                        |      |      | 400                                   | -          | -          | -          | E*                                            | NSYTLA         | NSYTLAU   | NSYTLDFL                                  | NSYTLDFL                | -                 | NSYSDCR400*** | NSYTJ12040 | -              |            |
|                        |      | 800  | 300                                   | -          | -          | -          | -                                             | G              | NSYTLG    | NSYTLGU                                   | NSYTLG2FL**             | NSYTLG2FL**       | NSYPIN126     | NSYSDCR300 | NSYTJ6030      | -          |
|                        |      |      |                                       | -          | -          | -          | -                                             | G              | NSYTLG    | NSYTLGU                                   | NSYTLG2FL**             | NSYTLG2FL**       | NSYPIN126     | NSYSDCR400 | NSYTJ6040      | -          |
|                        | 1000 | 400  | -                                     | -          | -          | -          | D*                                            | NSYTLA         | NSYTLAU   | NSYTLDFL                                  | NSYTLDFL                | NSYPIN128         | NSYSDCR300    | NSYTJ8030  | -              |            |
|                        |      |      | -                                     | -          | -          | -          | D*                                            | NSYTLA         | NSYTLAU   | NSYTLDFL                                  | NSYTLDFL                | NSYPIN128         | NSYSDCR400    | NSYTJ8040  | -              |            |
|                        | 1200 | 300  | -                                     | -          | -          | -          | E*                                            | NSYTLA         | NSYTLAU   | NSYTLDFL                                  | NSYTLDFL                | -                 | NSYSDCR300    | NSYTJ10030 | -              |            |
|                        |      |      | -                                     | -          | -          | -          | E*                                            | NSYTLA         | NSYTLAU   | NSYTLDFL                                  | NSYTLDFL                | -                 | NSYSDCR300    | NSYTJ10030 | -              |            |
|                        | 1400 | 1000 | 300                                   | -          | -          | -          | E*                                            | NSYTLA         | NSYTLAU   | NSYTLDFL                                  | NSYTLDFL                | -                 | NSYSDCR400    | NSYTJ10040 | -              |            |
|                        |      |      | 400                                   | -          | -          | -          | E*                                            | NSYTLA         | NSYTLAU   | NSYTLDFL                                  | NSYTLDFL                | -                 | NSYSDCR400*** | NSYTJ12040 | -              |            |

(1) For other dimensions, see our application offer, page 16.  
 (2) FL13 for entry type A and B FL21 for all other entries.  
 (3) To adjust the depth of the internal door, please order the step slides.

\* 2 plates.  
 \*\* Exists with 1 cut-out NSYTLGFL.



| Characteristics     |      |                 | Composition accessories     |                    |             |                            |             |                                 |                |                                   |              |                                                                    |
|---------------------|------|-----------------|-----------------------------|--------------------|-------------|----------------------------|-------------|---------------------------------|----------------|-----------------------------------|--------------|--------------------------------------------------------------------|
| Dimensions (1) (mm) |      |                 | Full width wall fixing lugs | Lateral plinth**** |             | Plain front plinth (4)**** |             | Support pillar adaptation plate | Support pillar | Floor stand kit for wall-mounting |              | Support bracket for enclosure with anti-tilt kit and reinforcement |
| H                   | W    | D               |                             | 100 mm             | 200 mm      | 100 mm                     | 200 mm      |                                 |                | 300 mm                            | 400 mm       | 1400 mm (5)                                                        |
| 300                 | 200  | 150             | NSYAEFFFS3DW20              | -                  | -           | -                          | -           | -                               | -              | -                                 | -            | NSYCOCNS1400                                                       |
|                     |      | 250             | 150                         | -                  | -           | -                          | -           | -                               | -              | -                                 | -            | NSYCOCNS1400                                                       |
|                     | 300  | 150             | NSYAEFFFS3DW30              | -                  | -           | -                          | -           | NSYAEFP315S3D                   | NSYCOCN80      | -                                 | -            | NSYCOCNS1400                                                       |
|                     |      | 200             | NSYAEFFFS3DW30              | -                  | -           | -                          | -           | NSYAEFP32S3D                    | NSYCOCN80      | -                                 | -            | NSYCOCNS1400                                                       |
|                     |      | 150             | NSYAEFFFS3DW40              | -                  | -           | -                          | -           | NSYAEFP315S3D                   | NSYCOCN80      | -                                 | -            | NSYCOCNS1400                                                       |
|                     |      | 200             | NSYAEFFFS3DW40              | -                  | -           | -                          | -           | NSYAEFP42S3D                    | NSYCOCN80      | -                                 | -            | NSYCOCNS1400                                                       |
| 400                 | 300  | 150             | NSYAEFFFS3DW30              | -                  | -           | -                          | -           | NSYAEFP315S3D                   | NSYCOCN80      | -                                 | -            | NSYCOCNS1400                                                       |
|                     |      | 200             | NSYAEFFFS3DW30              | -                  | -           | -                          | -           | NSYAEFP32S3D                    | NSYCOCN80      | -                                 | -            | NSYCOCNS1400                                                       |
|                     | 400  | 200             | NSYAEFFFS3DW40              | -                  | -           | -                          | -           | NSYAEFP42S3D                    | NSYCOCN80      | -                                 | -            | NSYCOCNS1400                                                       |
|                     |      | 250             | NSYAEFFFS3DW40              | -                  | -           | -                          | -           | -                               | -              | -                                 | -            | NSYCOCNS1400                                                       |
|                     |      | 150             | NSYAEFFFS3DW60              | -                  | -           | -                          | -           | -                               | -              | -                                 | -            | NSYCOCNS1400                                                       |
|                     |      | 200             | NSYAEFFFS3DW60              | -                  | -           | -                          | -           | -                               | -              | -                                 | -            | NSYCOCNS1400                                                       |
| 500                 | 300  | 200             | NSYAEFFFS3DW30              | -                  | -           | -                          | -           | NSYAEFP32S3D                    | NSYCOCN80      | -                                 | -            | NSYCOCNS1400                                                       |
|                     |      | 200             | NSYAEFFFS3DW40              | -                  | -           | -                          | -           | NSYAEFP42S3D                    | NSYCOCN80      | -                                 | -            | NSYCOCNS1400                                                       |
|                     | 400  | 250             | NSYAEFFFS3DW40              | -                  | -           | -                          | -           | NSYAEFP42S3D                    | NSYCOCN80      | -                                 | -            | NSYCOCNS1400                                                       |
|                     |      | 200             | NSYAEFFFS3DW50              | -                  | -           | -                          | -           | -                               | -              | -                                 | -            | NSYCOCNS1400                                                       |
|                     |      | 250             | NSYAEFFFS3DW50              | -                  | -           | -                          | -           | -                               | -              | -                                 | -            | NSYCOCNS1400                                                       |
|                     |      | 200             | NSYAEFFFS3DW60              | -                  | -           | -                          | -           | -                               | -              | -                                 | -            | NSYCOCNS1400                                                       |
| 600                 | 400  | 200             | NSYAEFFFS3DW40              | -                  | -           | -                          | -           | NSYAEFP42S3D                    | NSYCOCN80      | -                                 | -            | NSYCOCNS1400                                                       |
|                     |      | 250             | NSYAEFFFS3DW40              | -                  | -           | -                          | -           | NSYAEFP42S3D                    | NSYCOCN80      | -                                 | -            | NSYCOCNS1400                                                       |
|                     | 500  | 250             | NSYAEFFFS3DW50              | -                  | -           | -                          | -           | -                               | -              | -                                 | -            | NSYCOCNS1400                                                       |
|                     |      | 200             | NSYAEFFFS3DW60              | -                  | -           | -                          | -           | -                               | -              | -                                 | -            | NSYCOCNS1400                                                       |
|                     |      | 250             | NSYAEFFFS3DW60              | -                  | -           | -                          | -           | -                               | -              | -                                 | -            | NSYCOCNS1400                                                       |
|                     |      | 300             | NSYAEFFFS3DW60              | NSYS3100SD         | NSYS3200SD  | NSYSPF6100                 | NSYSPF6200  | -                               | -              | -                                 | -            | NSYCOCNS1400                                                       |
| 800                 | 300  | NSYAEFFFS3DW60  | NSYS4100SD                  | NSYS4200SD         | NSYSPF6100  | NSYSPF6200                 | -           | -                               | -              | -                                 | NSYCOCNS1400 |                                                                    |
|                     | 300  | NSYAEFFFS3DW80  | NSYS3100SD                  | NSYS3200SD         | NSYSPF8100  | NSYSPF8200                 | -           | -                               | -              | -                                 | NSYCOCNS1400 |                                                                    |
| 700                 | 500  | 250             | NSYAEFFFS3DW50              | -                  | -           | -                          | -           | -                               | -              | -                                 | NSYCOCNS1400 |                                                                    |
| 800                 | 600  | 200             | NSYAEFFFS3DW60              | -                  | -           | -                          | -           | -                               | -              | -                                 | -            | NSYCOCNS1400                                                       |
|                     |      | 250             | NSYAEFFFS3DW60              | -                  | -           | -                          | -           | -                               | -              | -                                 | -            | NSYCOCNS1400                                                       |
|                     | 800  | 300             | NSYAEFFFS3DW60              | NSYS3100SD         | NSYS3200SD  | NSYSPF6100                 | NSYSPF6200  | -                               | -              | -                                 | -            | NSYCOCNS1400                                                       |
|                     |      | 400             | NSYAEFFFS3DW60              | NSYS4100SD         | NSYS4200SD  | NSYSPF6100                 | NSYSPF6200  | -                               | -              | -                                 | -            | NSYCOCNS1400                                                       |
|                     |      | 250             | NSYAEFFFS3DW80              | -                  | -           | -                          | -           | -                               | -              | -                                 | -            | NSYCOCNS1400                                                       |
|                     |      | 300             | NSYAEFFFS3DW80              | NSYS3100SD         | NSYS3200SD  | NSYSPF8100                 | NSYSPF8200  | -                               | -              | NSYW33                            | NSYW34       | NSYCOCNS1400                                                       |
| 1000                | 300  | NSYAEFFFS3DW100 | NSYS3100SD                  | NSYS3200SD         | NSYSPF10100 | NSYSPF10200                | -           | -                               | NSYW33         | NSYW34                            | NSYCOCNS1400 |                                                                    |
|                     | 300  | NSYAEFFFS3DW100 | NSYS3100SD                  | NSYS3200SD         | NSYSPF10100 | NSYSPF10200                | -           | -                               | -              | -                                 | NSYCOCNS1400 |                                                                    |
|                     | 300  | NSYAEFFFS3DW120 | -                           | -                  | -           | -                          | -           | -                               | NSYW33         | NSYW34                            | NSYCOCNS1400 |                                                                    |
| 1000                | 600  | 250             | NSYAEFFFS3DW60              | -                  | -           | -                          | -           | -                               | -              | -                                 | -            | NSYCOCNS1400                                                       |
|                     |      | 300             | NSYAEFFFS3DW60              | NSYS3100SD         | NSYS3200SD  | NSYSPF6100                 | NSYSPF6200  | -                               | -              | -                                 | -            | NSYCOCNS1400                                                       |
|                     | 800  | 400             | NSYAEFFFS3DW60              | NSYS4100SD         | NSYS4200SD  | NSYSPF6100                 | NSYSPF6200  | -                               | -              | -                                 | -            | NSYCOCNS1400                                                       |
|                     |      | 250             | NSYAEFFFS3DW80              | -                  | -           | -                          | -           | -                               | -              | -                                 | -            | NSYCOCNS1400                                                       |
|                     |      | 300             | NSYAEFFFS3DW80              | NSYS3100SD         | NSYS3200SD  | NSYSPF8100                 | NSYSPF8200  | -                               | -              | NSYW33                            | NSYW34       | NSYCOCNS1400                                                       |
|                     |      | 400             | NSYAEFFFS3DW80              | NSYS4100SD         | NSYS4200SD  | NSYSPF8100                 | NSYSPF8200  | -                               | -              | NSYW33                            | NSYW34       | -                                                                  |
| 1000                | 300  | NSYAEFFFS3DW100 | NSYS3100SD                  | NSYS3200SD         | NSYSPF10100 | NSYSPF10200                | -           | -                               | NSYW33         | NSYW34                            | NSYCOCNS1400 |                                                                    |
|                     |      | NSYAEFFFS3DW100 | NSYS3100SD                  | NSYS3200SD         | NSYSPF10100 | NSYSPF10200                | -           | -                               | NSYW33         | NSYW34                            | NSYCOCNS1400 |                                                                    |
|                     | 1200 | 300             | NSYAEFFFS3DW100             | NSYS3100SD         | NSYS3200SD  | NSYSPF10100                | NSYSPF10200 | -                               | -              | NSYW33                            | NSYW34       | NSYCOCNS1400                                                       |
|                     |      | 300             | NSYAEFFFS3DW120             | NSYS3100SD         | NSYS3200SD  | NSYSPF12100                | NSYSPF12200 | -                               | -              | NSYW33                            | NSYW34       | NSYCOCNS1400                                                       |
|                     |      | 400             | NSYAEFFFS3DW120             | NSYS4100SD         | NSYS4200SD  | NSYSPF12100                | NSYSPF12200 | -                               | -              | NSYW33                            | NSYW34       | -                                                                  |
|                     |      | 400             | NSYAEFFFS3DW120             | NSYS4100SD         | NSYS4200SD  | NSYSPF12100                | NSYSPF12200 | -                               | -              | NSYW33                            | NSYW34       | -                                                                  |
| 1200                | 600  | 300             | NSYAEFFFS3DW60              | NSYS3100SD         | NSYS3200SD  | NSYSPF6100                 | NSYSPF6200  | -                               | -              | -                                 | -            | NSYCOCNS1400                                                       |
|                     |      | 400             | NSYAEFFFS3DW60              | NSYS4100SD         | NSYS4200SD  | NSYSPF6100                 | NSYSPF6200  | -                               | -              | -                                 | -            | NSYCOCNS1400                                                       |
|                     | 800  | 300             | NSYAEFFFS3DW80              | NSYS3100SD         | NSYS3200SD  | NSYSPF8100                 | NSYSPF8200  | -                               | -              | NSYW33                            | NSYW34       | NSYCOCNS1400                                                       |
|                     |      | 400             | NSYAEFFFS3DW80              | NSYS4100SD         | NSYS4200SD  | NSYSPF8100                 | NSYSPF8200  | -                               | -              | NSYW33                            | NSYW34       | -                                                                  |
|                     |      | 300             | NSYAEFFFS3DW100             | NSYS3100SD         | NSYS3200SD  | NSYSPF10100                | NSYSPF10200 | -                               | -              | NSYW33                            | NSYW34       | NSYCOCNS1400                                                       |
|                     |      | 300             | NSYAEFFFS3DW100             | NSYS3100SD         | NSYS3200SD  | NSYSPF10100                | NSYSPF10200 | -                               | -              | NSYW33                            | NSYW34       | NSYCOCNS1400                                                       |
| 1200                | 300  | NSYAEFFFS3DW100 | NSYS3100SD                  | NSYS3200SD         | NSYSPF10100 | NSYSPF10200                | -           | -                               | NSYW33         | NSYW34                            | NSYCOCNS1400 |                                                                    |
|                     |      | NSYAEFFFS3DW100 | NSYS3100SD                  | NSYS3200SD         | NSYSPF10100 | NSYSPF10200                | -           | -                               | NSYW33         | NSYW34                            | NSYCOCNS1400 |                                                                    |
|                     | 400  | NSYAEFFFS3DW120 | NSYS3100SD                  | NSYS3200SD         | NSYSPF12100 | NSYSPF12200                | -           | -                               | NSYW33         | NSYW34                            | NSYCOCNS1400 |                                                                    |
|                     |      | NSYAEFFFS3DW120 | NSYS3100SD                  | NSYS3200SD         | NSYSPF12100 | NSYSPF12200                | -           | -                               | NSYW33         | NSYW34                            | NSYCOCNS1400 |                                                                    |
|                     |      | 400             | NSYAEFFFS3DW120             | NSYS4100SD         | NSYS4200SD  | NSYSPF12100                | NSYSPF12200 | -                               | -              | NSYW33                            | NSYW34       | -                                                                  |
|                     |      | 400             | NSYAEFFFS3DW120             | NSYS4100SD         | NSYS4200SD  | NSYSPF12100                | NSYSPF12200 | -                               | -              | NSYW33                            | NSYW34       | -                                                                  |
| 1400                | 1000 | 300             | NSYAEFFFS3DW100             | NSYS3100SD         | NSYS3200SD  | NSYSPF10100                | NSYSPF10200 | -                               | -              | NSYW33                            | NSYW34       | -                                                                  |

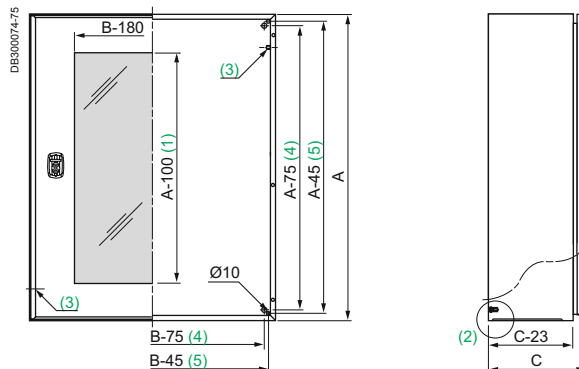
(4) Also available in ventilated version with cable gland for widths of 600 and 800, see page 104.

(5) Available in version 1800 mm: ref. NSYCOCNS1800.

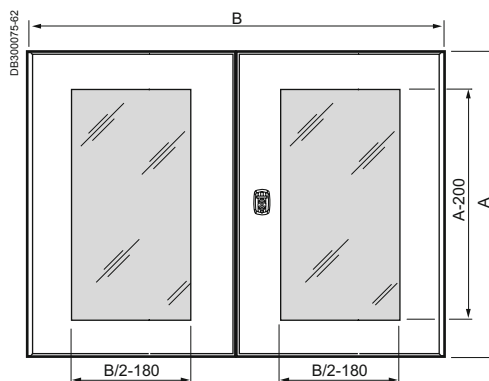
\*\*\* For the double mounting plates, order also ref. NSYSDRSDCR300 (D300) or NSYSDRSDCR400 (D400).

\*\*\*\* To install the plinth to a wall-mounting enclosure, order ref. NSYAPFWM.

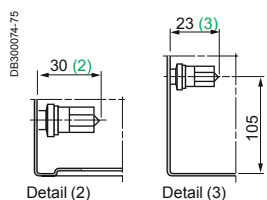
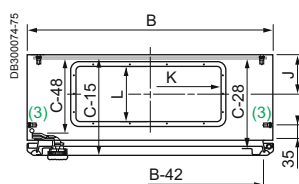
### 1-door enclosure



### 2-door enclosure



| Enclosure (mm) |                 | Cable-gland plate** |      |     |      |     |     |
|----------------|-----------------|---------------------|------|-----|------|-----|-----|
| Width          | Depth           | Dim. (mm)           | Type | No. | J    | K   | L   |
| 200 - 250      | 150 - 250       | 140 x 80            | A    | 1   | 57   | 115 | 55  |
| 300 - 400      | 150             | 245 x 80            | B    | 1   | 57   | 220 | 55  |
| 300            | 200             | 245 x 130           | C    | 1   | 80   | 220 | 105 |
| 400            | 200 - 250       | 345 x 130           | D    | 1   | 80   | 320 | 105 |
| 500            | 200 - 250       | 445 x 130           | E    | 1   | 80   | 420 | 105 |
| 600            | 200 - 250       | 545 x 130           | F    | 1   | 80   | 520 | 105 |
| 600            | 300 - 400       | 495 x 220           | G    | 1   | 126* | 470 | 195 |
| 800            | 250 - 300 - 400 | 345 x 130           | D    | 2   | 95   | 320 | 105 |
| 1000 - 1200    | 300 - 400       | 445 x 130           | E    | 2   | 95   | 420 | 105 |



- (1) A-200 from the height of 800 mm.
- (2) 4 or 6 (widths 1000 - 1200 mm) M8 x 25 mm backstuds.
- (3) 2 M6 x 17.5 mm earthing studs.
- (4) Stud centre-to-centre distance.
- (5) Centre-to-centre distance of the holes for direct fixing.

\* Except enclosure 1000 x 600 x 400 mm, J = 140 mm.  
 \*\* Cable-gland plate references: page 70.

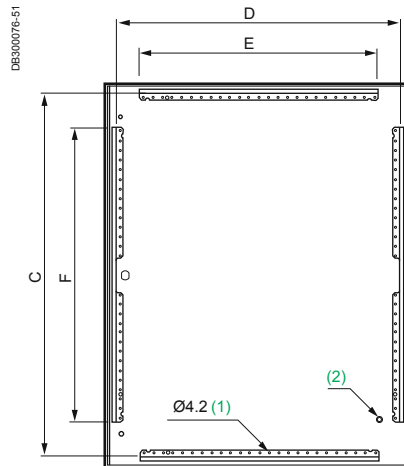
The DXF diagrams can be downloaded from our websites.



### Perforated rails on plain door\*

| Enclosure* (mm) |       | Perforated rails on the door (mm) |     |            |      | Perforated rails on the double door (mm) |     |            |      | Perforated rails on the internal door (mm) |     |            |      |
|-----------------|-------|-----------------------------------|-----|------------|------|------------------------------------------|-----|------------|------|--------------------------------------------|-----|------------|------|
| Height          | Width | Vertical                          |     | Horizontal |      | Vertical                                 |     | Horizontal |      | Vertical                                   |     | Horizontal |      |
|                 |       | F                                 | D   | E          | C    | F                                        | D   | E          | C    | F                                          | D   | E          | C    |
| 400             | 300   | 320                               | 237 | -          | -    | -                                        | -   | -          | -    | -                                          | -   | -          | -    |
|                 | 400   | 320                               | 337 | -          | -    | -                                        | -   | -          | -    | -                                          | -   | -          | -    |
|                 | 600   | 320                               | 537 | -          | -    | -                                        | -   | -          | -    | -                                          | -   | -          | -    |
| 500             | 300   | 370                               | 237 | -          | -    | -                                        | -   | -          | -    | -                                          | -   | -          | -    |
|                 | 400   | 370                               | 337 | -          | -    | -                                        | -   | -          | -    | -                                          | -   | -          | -    |
|                 | 500   | 370                               | 437 | -          | -    | -                                        | -   | -          | -    | -                                          | -   | -          | -    |
| 600             | 400   | 370                               | 337 | -          | -    | -                                        | -   | -          | -    | -                                          | -   | -          | -    |
|                 | 500   | 370                               | 437 | -          | -    | -                                        | -   | -          | -    | -                                          | -   | -          | -    |
|                 | 600   | 370                               | 537 | -          | -    | -                                        | -   | -          | -    | -                                          | -   | -          | -    |
|                 | 800   | 370                               | 737 | -          | -    | -                                        | -   | -          | -    | -                                          | -   | -          | -    |
| 700             | 500   | 470                               | 437 | -          | -    | -                                        | -   | -          | -    | -                                          | -   | -          |      |
| 800             | 600   | 570                               | 537 | -          | -    | -                                        | -   | -          | -    | -                                          | -   | -          | -    |
|                 | 800   | 570                               | 737 | 620        | 749  | -                                        | -   | -          | -    | -                                          | -   | -          | -    |
|                 | 1000  | 570                               | 937 | 820        | 749  | 570                                      | 437 | 320        | 749  | 620                                        | 437 | 320        | 749  |
|                 | 1200  | -                                 | -   | -          | -    | 570                                      | 537 | 420        | 749  | 620                                        | 537 | 420        | 749  |
| 1000            | 600   | 770                               | 537 | 420        | 949  | -                                        | -   | -          | -    | -                                          | -   | -          | -    |
|                 | 800   | 770                               | 737 | 620        | 949  | -                                        | -   | -          | -    | -                                          | -   | -          | -    |
|                 | 1000  | 770                               | 937 | 820        | 949  | 770                                      | 437 | 320        | 949  | 820                                        | 437 | 320        | 949  |
|                 | 1200  | -                                 | -   | -          | -    | 770                                      | 537 | 420        | 949  | 820                                        | 537 | 420        | 949  |
| 1200            | 600   | 970                               | 537 | 420        | 1149 | -                                        | -   | -          | -    | -                                          | -   | -          | -    |
|                 | 800   | 970                               | 737 | 620        | 1149 | -                                        | -   | -          | -    | -                                          | -   | -          | -    |
|                 | 1000  | 970                               | 937 | 820        | 1149 | 970                                      | 437 | 320        | 1149 | 1020                                       | 437 | 320        | 1149 |
|                 | 1200  | -                                 | -   | -          | -    | 970                                      | 537 | 420        | 1149 | 1020                                       | 537 | 420        | 1149 |
| 1400            | 1000  | -                                 | -   | -          | -    | 970                                      | 437 | 320        | 1349 | 1020                                       | 437 | 320        | 1349 |

\* The doors of enclosures with dimensions of less than 800 x 600 mm do not have horizontal cable guides.



\* The glazed doors are equipped with a vertical cable guide, on the hinge side.

- (1) Perforations in steps of 25 mm.
- (2) 1 M6 x 17.5 mm earthing stud.



### Download

Download the configuration sheets and DXF diagrams from [www.schneider-electric.com](http://www.schneider-electric.com)  
 Send them back to your local Schneider Electric office.  
 Take advantage of a shorter delivery time!



### Composition accessories

#### Fixing



Page 60

#### Floor



Page 63

#### Coupling



Page 64

#### Hoisting



Page 65

#### Protection



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#### Handles



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#### Locks



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#### Door accessories



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#### Cable-gland plates



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#### Mounting accessories



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### Cable management

PB502439-65



#### Cable holding

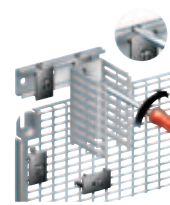
PB500966-40



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#### Cable ducting

PB500959-22



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### Thermal management

#### Heaters

PB502050-29



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#### Ventilation

PB501044-26



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#### Cooling units

PB502614-15



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### Others

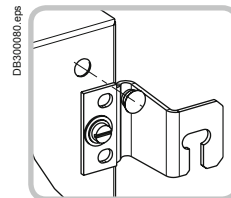
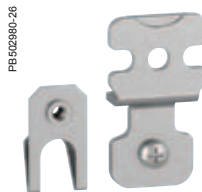
#### Earthing

PB500217-29



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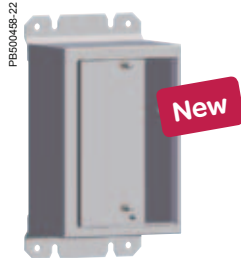
## Fixing



| Characteristics | Wall-fixing lugs                                                                                                                                                                                                             | Kit for heavy loads                                                                                                                                             | Wall-fixing lugs with wall-enclosure separation                                                                                              |              |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------|
|                 | Set of 4 wall-fixing lugs.<br>Mounted directly on the rear of the enclosure, either in horizontal or vertical position.<br>Two types of position, for a wall-enclosure separation of 10 mm.<br>Do not use for dynamic loads. | Kit made up of 2 reinforcement pieces.<br>To be mounted before installing the mounting plate in top position with the standard lugs (to be ordered separately). | Batch of 4 wall-fixing lugs.<br>Separation of 40 mm from the wall at the rear of the enclosure.<br>Need to drill a hole to prevent rotation. |              |
| Material        | Steel   AISI 304 stainless-steel   Steel                                                                                                                                                                                     | Steel                                                                                                                                                           | Steel                                                                                                                                        |              |
| Maximum load    | 250 kg                                                                                                                                                                                                                       | 400 kg                                                                                                                                                          | 100 kg                                                                                                                                       |              |
| Supply          | Supplied with fixing screws and pre-mounted sealing gaskets                                                                                                                                                                  | 4 fixing brackets + covers                                                                                                                                      | -                                                                                                                                            |              |
| References      |                                                                                                                                                                                                                              |                                                                                                                                                                 |                                                                                                                                              |              |
|                 | NSYAEFPFSC   NSYAEFPFXSC                                                                                                                                                                                                     | NSYAEFPFSC2*                                                                                                                                                    | NSYAEFAHLBSC                                                                                                                                 | NSYAEPPF40SC |
|                 | <p>Installation from the outside.</p> <p><b>Fixing centre-to-centre distance with lugs (M8 screw)</b></p> <p>A: Enclosure height<br/>B: Enclosure width</p> <p>Vertical position. Horizontal position.</p>                   |                                                                                                                                                                 |                                                                                                                                              |              |

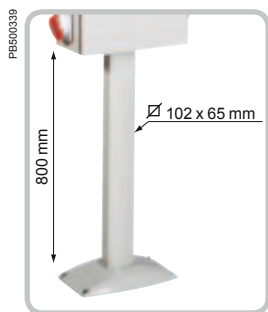
You will find the weights of the Spacial S3D enclosures without mounting plate in the selection guide on page 52.  
\* Available in 2015.

## Fixing



| Characteristics | Full-width wall fixing lugs                                       | Post-fixing device for Spacial steel enclosure                                                                                                                                                                                                                 |            |
|-----------------|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
|                 | Kit made of 2 parts (top and bottom).<br>Screwed from the inside. | For indoor installations on posts with a maximum circumference of 675 mm (minimum diameter 150 mm and maximum diameter 215 mm).<br>Rail fixed to the inserts in the rear of the enclosure with 8-mm screws.<br>They allow the mounting of protection canopies. |            |
| Material        | Passivated zinc-coated steel                                      | Galvanised steel                                                                                                                                                                                                                                               |            |
| Maximum load    | 350 kg                                                            | 100 kg                                                                                                                                                                                                                                                         |            |
| Width (mm)      | References                                                        | A (mm)                                                                                                                                                                                                                                                         | References |
| 200             | NSYAEFPFS3DW20                                                    | -                                                                                                                                                                                                                                                              | -          |
| 300             | NSYAEFPFS3DW30                                                    | 295                                                                                                                                                                                                                                                            | NSYSFPSC30 |
| 400             | NSYAEFPFS3DW40                                                    | 395                                                                                                                                                                                                                                                            | NSYSFPSC40 |
| 500             | NSYAEFPFS3DW50                                                    | 495                                                                                                                                                                                                                                                            | NSYSFPSC50 |
| 600             | NSYAEFPFS3DW60                                                    | 595                                                                                                                                                                                                                                                            | NSYSFPSC60 |
| 800             | NSYAEFPFS3DW80                                                    | 795                                                                                                                                                                                                                                                            | NSYSFPSC80 |
| 1000            | NSYAEFPFS3DW100                                                   | -                                                                                                                                                                                                                                                              | -          |
| 1200            | NSYAEFPFS3DW120                                                   | -                                                                                                                                                                                                                                                              | -          |
|                 | <p>A: Width of enclosure</p>                                      | <br>                                                                                                                                                                                                                                                           |            |

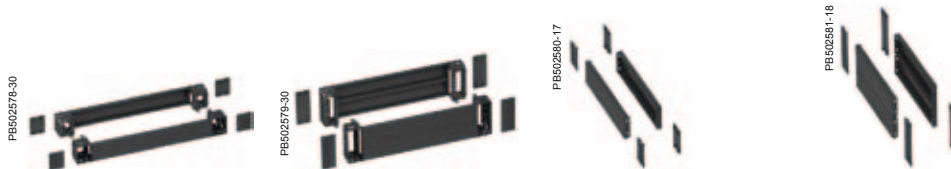
## Fixing



| Characteristics    | Support pillar                                                                                                                                                                                                                                                                                                                                                                              | Support bracket for enclosure with anti-tilt kit and reinforcement                                                                                                                                                                                                                                                                                                                                                         | Floor Stand Kit for wall-mounting enclosure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |             |       |            |         |        |               |     |     |              |      |         |              |   |      |   |   |   |   |   |   |                          |   |   |   |                           |   |   |   |                          |   |   |   |                           |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------|-------|------------|---------|--------|---------------|-----|-----|--------------|------|---------|--------------|---|------|---|---|---|---|---|---|--------------------------|---|---|---|---------------------------|---|---|---|--------------------------|---|---|---|---------------------------|
|                    | The support pillar is fixed directly to the bottom face of the Spacial steel enclosure by means of an adapter plate. The latter, to be ordered in addition to the pillar, replaces the cable-gland plate. Overall height of the support foot: 800 mm. Mounting possible on all enclosures with dimensions up to 600 x 400 x 250 mm (except 200 x 200 x 150 and 250 x 200 x 150 enclosures). | The support bracket for Spacial S3D steel enclosures is used when the enclosure cannot be hung from a wall or a post. Suitable for outdoor use. Compatible with other enclosure ranges: <ul style="list-style-type: none"> <li>■ S3X (stainless-steel),</li> <li>■ S3HF (EMC),</li> <li>■ Thalassa (polyester).</li> </ul> Maximum enclosure dimensions: 1000 x 800 x 300 mm. Floor attachment by standard M12 fastenings. | Set of 2 feet, elevating wall-mounting enclosures. Cut-outs needed on enclosure – drilling template provided with the kit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |             |       |            |         |        |               |     |     |              |      |         |              |   |      |   |   |   |   |   |   |                          |   |   |   |                           |   |   |   |                          |   |   |   |                           |
| Material           | Extruded aluminium                                                                                                                                                                                                                                                                                                                                                                          | Steel                                                                                                                                                                                                                                                                                                                                                                                                                      | Steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                 |             |       |            |         |        |               |     |     |              |      |         |              |   |      |   |   |   |   |   |   |                          |   |   |   |                           |   |   |   |                          |   |   |   |                           |
| Finish             | Polyester powder                                                                                                                                                                                                                                                                                                                                                                            | Painted                                                                                                                                                                                                                                                                                                                                                                                                                    | Polyester powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 |             |       |            |         |        |               |     |     |              |      |         |              |   |      |   |   |   |   |   |   |                          |   |   |   |                           |   |   |   |                          |   |   |   |                           |
| Colour             | RAL 7035 grey                                                                                                                                                                                                                                                                                                                                                                               | RAL 7035 grey                                                                                                                                                                                                                                                                                                                                                                                                              | RAL 7035 grey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |             |       |            |         |        |               |     |     |              |      |         |              |   |      |   |   |   |   |   |   |                          |   |   |   |                           |   |   |   |                          |   |   |   |                           |
| Thickness          | -                                                                                                                                                                                                                                                                                                                                                                                           | -                                                                                                                                                                                                                                                                                                                                                                                                                          | <ul style="list-style-type: none"> <li>■ Sides: 25/10° mm</li> <li>■ Base: 30/10° mm</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |             |       |            |         |        |               |     |     |              |      |         |              |   |      |   |   |   |   |   |   |                          |   |   |   |                           |   |   |   |                          |   |   |   |                           |
| Maximum load       | -                                                                                                                                                                                                                                                                                                                                                                                           | 120 kg                                                                                                                                                                                                                                                                                                                                                                                                                     | 250 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |             |       |            |         |        |               |     |     |              |      |         |              |   |      |   |   |   |   |   |   |                          |   |   |   |                           |   |   |   |                          |   |   |   |                           |
| Supply             | -                                                                                                                                                                                                                                                                                                                                                                                           | -                                                                                                                                                                                                                                                                                                                                                                                                                          | 2 platform feet (right and left) and fixing elements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |             |       |            |         |        |               |     |     |              |      |         |              |   |      |   |   |   |   |   |   |                          |   |   |   |                           |   |   |   |                          |   |   |   |                           |
| Height (mm)        | Reference                                                                                                                                                                                                                                                                                                                                                                                   | References                                                                                                                                                                                                                                                                                                                                                                                                                 | <table border="1"> <thead> <tr> <th rowspan="2">Enclosure depth</th> <th colspan="2">Foot height</th> <th rowspan="2">References</th> </tr> <tr> <th>mm</th> <th>Inches</th> </tr> </thead> <tbody> <tr> <td>800</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>1400</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>1800</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>-</td> <td>-</td> <td>-</td> <td>300* 12 300 12 NSYWWMK33</td> </tr> <tr> <td>-</td> <td>-</td> <td>-</td> <td>400** 16 300 12 NSYWWMK43</td> </tr> <tr> <td>-</td> <td>-</td> <td>-</td> <td>300* 12 450 18 NSYWWMK34</td> </tr> <tr> <td>-</td> <td>-</td> <td>-</td> <td>400** 16 450 18 NSYWWMK44</td> </tr> </tbody> </table> | Enclosure depth | Foot height |       | References | mm      | Inches | 800           | -   | -   | -            | 1400 | -       | -            | - | 1800 | - | - | - | - | - | - | 300* 12 300 12 NSYWWMK33 | - | - | - | 400** 16 300 12 NSYWWMK43 | - | - | - | 300* 12 450 18 NSYWWMK34 | - | - | - | 400** 16 450 18 NSYWWMK44 |
| Enclosure depth    | Foot height                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                            | References                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |             |       |            |         |        |               |     |     |              |      |         |              |   |      |   |   |   |   |   |   |                          |   |   |   |                           |   |   |   |                          |   |   |   |                           |
|                    | mm                                                                                                                                                                                                                                                                                                                                                                                          | Inches                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |             |       |            |         |        |               |     |     |              |      |         |              |   |      |   |   |   |   |   |   |                          |   |   |   |                           |   |   |   |                          |   |   |   |                           |
| 800                | -                                                                                                                                                                                                                                                                                                                                                                                           | -                                                                                                                                                                                                                                                                                                                                                                                                                          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                 |             |       |            |         |        |               |     |     |              |      |         |              |   |      |   |   |   |   |   |   |                          |   |   |   |                           |   |   |   |                          |   |   |   |                           |
| 1400               | -                                                                                                                                                                                                                                                                                                                                                                                           | -                                                                                                                                                                                                                                                                                                                                                                                                                          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                 |             |       |            |         |        |               |     |     |              |      |         |              |   |      |   |   |   |   |   |   |                          |   |   |   |                           |   |   |   |                          |   |   |   |                           |
| 1800               | -                                                                                                                                                                                                                                                                                                                                                                                           | -                                                                                                                                                                                                                                                                                                                                                                                                                          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                 |             |       |            |         |        |               |     |     |              |      |         |              |   |      |   |   |   |   |   |   |                          |   |   |   |                           |   |   |   |                          |   |   |   |                           |
| -                  | -                                                                                                                                                                                                                                                                                                                                                                                           | -                                                                                                                                                                                                                                                                                                                                                                                                                          | 300* 12 300 12 NSYWWMK33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |             |       |            |         |        |               |     |     |              |      |         |              |   |      |   |   |   |   |   |   |                          |   |   |   |                           |   |   |   |                          |   |   |   |                           |
| -                  | -                                                                                                                                                                                                                                                                                                                                                                                           | -                                                                                                                                                                                                                                                                                                                                                                                                                          | 400** 16 300 12 NSYWWMK43                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |             |       |            |         |        |               |     |     |              |      |         |              |   |      |   |   |   |   |   |   |                          |   |   |   |                           |   |   |   |                          |   |   |   |                           |
| -                  | -                                                                                                                                                                                                                                                                                                                                                                                           | -                                                                                                                                                                                                                                                                                                                                                                                                                          | 300* 12 450 18 NSYWWMK34                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |             |       |            |         |        |               |     |     |              |      |         |              |   |      |   |   |   |   |   |   |                          |   |   |   |                           |   |   |   |                          |   |   |   |                           |
| -                  | -                                                                                                                                                                                                                                                                                                                                                                                           | -                                                                                                                                                                                                                                                                                                                                                                                                                          | 400** 16 450 18 NSYWWMK44                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |             |       |            |         |        |               |     |     |              |      |         |              |   |      |   |   |   |   |   |   |                          |   |   |   |                           |   |   |   |                          |   |   |   |                           |
|                    |                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                            | <p>* When enclosures are equipped with a cable gland plate, it only fits with enclosures of width 800, 1000 &amp; 1200 mm, except model H 600 x W 800 x D 300 mm.</p> <p>** When enclosures are equipped with a cable gland plate, it does not fit with enclosures of width 600 mm.</p> <p>Compatible with Spacial S3D &amp; S3DC enclosures.</p>                                                                                                                                                                                                                                                                                                                                                                            |                 |             |       |            |         |        |               |     |     |              |      |         |              |   |      |   |   |   |   |   |   |                          |   |   |   |                           |   |   |   |                          |   |   |   |                           |
|                    | <p><b>Support pillar adaptation plate</b></p> <p><b>Description:</b> plate for fixing the support pillar on the enclosure. This plate replaces the cable-gland plate delivered with the enclosure.</p> <p><b>Material:</b> steel</p> <p><b>Finish:</b> polyester powder</p> <p><b>Colour:</b> RAL 7035 grey</p>                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |             |       |            |         |        |               |     |     |              |      |         |              |   |      |   |   |   |   |   |   |                          |   |   |   |                           |   |   |   |                          |   |   |   |                           |
|                    | <table border="1"> <thead> <tr> <th colspan="2">For enclosure (mm)</th> <th>References</th> </tr> <tr> <th>Width</th> <th>Depth</th> <th></th> </tr> </thead> <tbody> <tr> <td>300-400</td> <td>150</td> <td>NSYAEFP315S3D</td> </tr> <tr> <td>300</td> <td>200</td> <td>NSYAEFP32S3D</td> </tr> <tr> <td>400</td> <td>200-250</td> <td>NSYAEFP42S3D</td> </tr> </tbody> </table>           | For enclosure (mm)                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | References      | Width       | Depth |            | 300-400 | 150    | NSYAEFP315S3D | 300 | 200 | NSYAEFP32S3D | 400  | 200-250 | NSYAEFP42S3D |   |      |   |   |   |   |   |   |                          |   |   |   |                           |   |   |   |                          |   |   |   |                           |
| For enclosure (mm) |                                                                                                                                                                                                                                                                                                                                                                                             | References                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |             |       |            |         |        |               |     |     |              |      |         |              |   |      |   |   |   |   |   |   |                          |   |   |   |                           |   |   |   |                          |   |   |   |                           |
| Width              | Depth                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |             |       |            |         |        |               |     |     |              |      |         |              |   |      |   |   |   |   |   |   |                          |   |   |   |                           |   |   |   |                          |   |   |   |                           |
| 300-400            | 150                                                                                                                                                                                                                                                                                                                                                                                         | NSYAEFP315S3D                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |             |       |            |         |        |               |     |     |              |      |         |              |   |      |   |   |   |   |   |   |                          |   |   |   |                           |   |   |   |                          |   |   |   |                           |
| 300                | 200                                                                                                                                                                                                                                                                                                                                                                                         | NSYAEFP32S3D                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |             |       |            |         |        |               |     |     |              |      |         |              |   |      |   |   |   |   |   |   |                          |   |   |   |                           |   |   |   |                          |   |   |   |                           |
| 400                | 200-250                                                                                                                                                                                                                                                                                                                                                                                     | NSYAEFP42S3D                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |             |       |            |         |        |               |     |     |              |      |         |              |   |      |   |   |   |   |   |   |                          |   |   |   |                           |   |   |   |                          |   |   |   |                           |

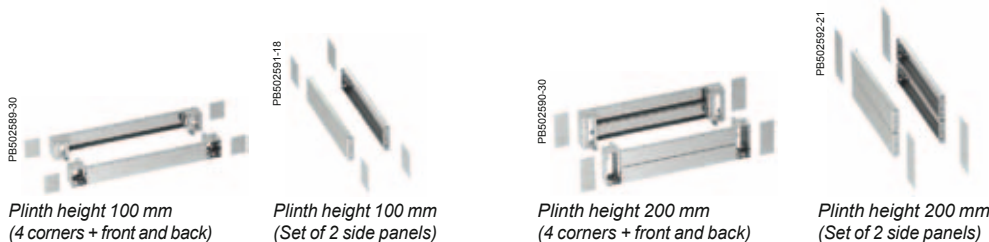
### Floor

For more information, see page 100.



| Characteristics              | Front and rear plinth                                                                                                                                                                                                                                | Plinth side panels                                                                                                                                                                                                                     |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              | The front and rear of the plinth consists of 4 corners with 2 or 4 panels.                                                                                                                                                                           | They are fixed to the corner of the plinth by 2 fixing screws.                                                                                                                                                                         |
| Material                     | Folded sheet steel, corner with a thickness of 25/10° mm                                                                                                                                                                                             | Folded sheet steel                                                                                                                                                                                                                     |
| Finish                       | Painted with epoxy-polyester resin                                                                                                                                                                                                                   | Painted with epoxy-polyester resin                                                                                                                                                                                                     |
| Colour                       | RAL 7022 grey                                                                                                                                                                                                                                        | RAL 7022 grey                                                                                                                                                                                                                          |
| Ingress protection rating    | IP30                                                                                                                                                                                                                                                 | IP30                                                                                                                                                                                                                                   |
| Mechanical protection rating | IK10                                                                                                                                                                                                                                                 | IK10                                                                                                                                                                                                                                   |
| Installation                 | It is necessary to order separately the plinth fixing kit (ref. <b>NSYAPFWM</b> ) composed by fixing hardware and drilling jig                                                                                                                       |                                                                                                                                                                                                                                        |
| Supply                       | <ul style="list-style-type: none"> <li>■ Height 100 mm: 4 corners, 2 panels (front and rear), 4 corner covers and fixing elements</li> <li>■ Height 200 mm: 4 corners, 4 panels (2 front and 2 rear), 4 corner covers and fixing elements</li> </ul> | <ul style="list-style-type: none"> <li>■ Height 100 mm: 2 side panels, 4 corner covers and fixing elements</li> <li>■ Height 200 mm: 4 side panels (height of 100 mm, 2 for each side), 4 corner covers and fixing elements</li> </ul> |

| References |            |              |              |              |              |
|------------|------------|--------------|--------------|--------------|--------------|
| Width (mm) | Depth (mm) | 100 mm       | 200 mm       | 100 mm       | 200 mm       |
| 600        | -          | NSYSPPF6100  | NSYSPPF6200  | -            | -            |
| 800        | -          | NSYSPPF8100  | NSYSPPF8200  | -            | -            |
| 1000       | -          | NSYSPPF10100 | NSYSPPF10200 | -            | -            |
| 1200       | -          | NSYSPPF12100 | NSYSPPF12200 | -            | -            |
| -          | 300        | -            | -            | NSYSPS3100SD | NSYSPS3200SD |
| -          | 400        | -            | -            | NSYSPS4100SD | NSYSPS4200SD |



| Characteristics          |           | Stainless-steel plinths                                                                                                            |                                  |                      |                                  |                            |                                  |                      |                                  |                           |
|--------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------------|----------------------------------|----------------------------|----------------------------------|----------------------|----------------------------------|---------------------------|
| Material                 |           | Stainless-steel, AISI 304L                                                                                                         |                                  |                      |                                  | Stainless-steel, AISI 316L |                                  |                      |                                  |                           |
| Finish                   |           | Scotch-Brite® brushing, to guarantee the durability in application where the contact with the floor increase the risk of corrosion |                                  |                      |                                  |                            |                                  |                      |                                  |                           |
| Installation             |           | It is necessary to order separately the plinth fixing kit (ref. <b>NSYAPFXWM</b> ) composed by fixing hardware and drilling jig    |                                  |                      |                                  |                            |                                  |                      |                                  |                           |
| External dimensions (mm) |           |                                                                                                                                    | Plinth height 100 mm             |                      | Plinth height 200 mm             |                            | Plinth height 100 mm             |                      | Plinth height 200 mm             |                           |
| Height (A)               | Width (B) | Depth (C)                                                                                                                          | Kit (4 corners + front and back) | Set of 2 side panels | Kit (4 corners + front and back) | Set of 2 side panels (x2)  | Kit (4 corners + front and back) | Set of 2 side panels | Kit (4 corners + front and back) | Set of 2 side panels (x2) |
| 800                      | 800       | 300                                                                                                                                | NSYSPPFX8100                     | NSYSPSX3100          | NSYSPPFX8200                     | NSYSPSX3200                | NSYSPPFX8100H                    | NSYSPSX3100H         | NSYSPPFX8200H                    | NSYSPSX3200H              |
| 1000                     | 800       | 300                                                                                                                                | NSYSPPFX8100                     | NSYSPSX3100          | NSYSPPFX8200                     | NSYSPSX3200                | NSYSPPFX8100H                    | NSYSPSX3100H         | NSYSPPFX8200H                    | NSYSPSX3200H              |
|                          | 1000      | 300                                                                                                                                | NSYSPPFX10100                    | NSYSPSX3100          | NSYSPPFX10200                    | NSYSPSX3200                | NSYSPPFX10100H                   | NSYSPSX3100H         | NSYSPPFX10200H                   | NSYSPSX3200H              |
| 1200                     | 800       | 300                                                                                                                                | NSYSPPFX8100                     | NSYSPSX3100          | NSYSPPFX8200                     | NSYSPSX3200                | NSYSPPFX8100H                    | NSYSPSX3100H         | NSYSPPFX8200H                    | NSYSPSX3200H              |
|                          | 1000      | 300                                                                                                                                | NSYSPPFX10100                    | NSYSPSX3100          | NSYSPPFX10200                    | NSYSPSX3200                | NSYSPPFX10100H                   | NSYSPSX3100H         | NSYSPPFX10200H                   | NSYSPSX3200H              |

### Coupling

PB500335-42



Installation example.

PB500336-34



Version without cable entry.

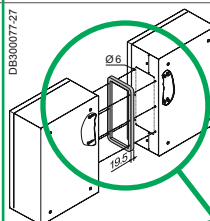
PB500337-26



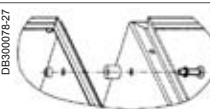
Version with cable entry.

| Characteristics              | Coupling of Spacial steel enclosures                                                                                                                                                                                                                                                                                                                                              |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              | Available in 2 versions: <ul style="list-style-type: none"> <li>■ Coupling version without cable entry.</li> <li>■ Version with coupling frame allowing the entry of cables.</li> <li>■ Separation of 17 mm between 2 coupled enclosures, allowing full opening of the doors.</li> </ul> Allows lateral coupling of 2 enclosures.<br>These frames allow the door to open to 120°. |
| Material                     | Polyester charged with fibreglass, self-extinguishing                                                                                                                                                                                                                                                                                                                             |
| Ingress protection rating    | IP66                                                                                                                                                                                                                                                                                                                                                                              |
| Supply                       | <ul style="list-style-type: none"> <li>■ Kit made up of 4 spacers and their fixings</li> <li>■ Mounting by screws, included</li> </ul>                                                                                                                                                                                                                                            |
| References                   |                                                                                                                                                                                                                                                                                                                                                                                   |
| Batch of 4 coupling spacers  | <b>NSYAEUBUSC</b>                                                                                                                                                                                                                                                                                                                                                                 |
| Coupling frame, 435 x 185 mm | <b>NSYAEUBU41SC</b>                                                                                                                                                                                                                                                                                                                                                               |
| Coupling frame, 635 x 185 mm | <b>NSYAEUBU61SC</b>                                                                                                                                                                                                                                                                                                                                                               |

DB300077-27

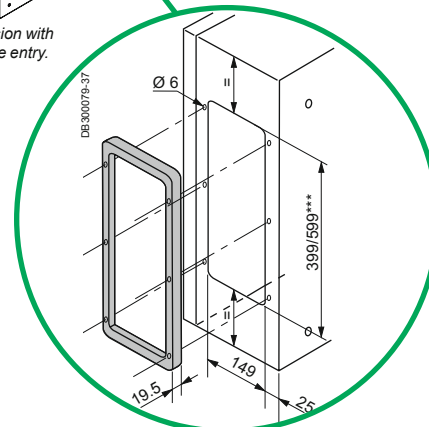


DB300076-27



Version without cable entry.

Version with cable entry.





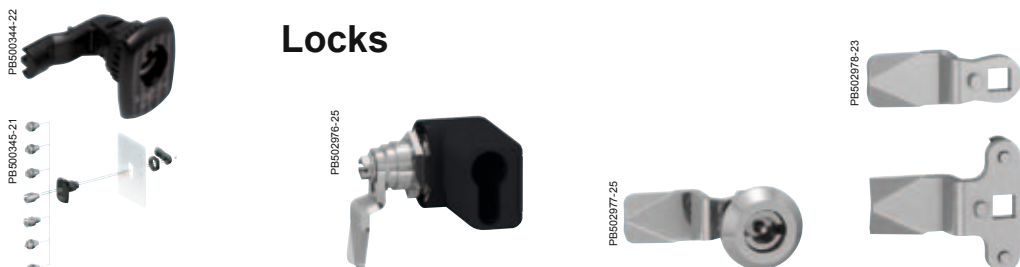


## Handles



| Characteristics   | Standard handle                                                                                                                                                                                                                                                | Standard handles with keys                                                                                                                                                                                                                                                                              | Handle lock operated using screwdriver insert |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|                   | Operating handle delivered with the enclosure.<br><ul style="list-style-type: none"> <li>It can be attached to the locking system by means of a fixing element.</li> <li>It can also be used to loosen the caps protecting the studs when painting.</li> </ul> | Attractive and ergonomic bi-material handle.<br><ul style="list-style-type: none"> <li>Large range of barrels covering all the most common needs.</li> <li>Standard cam (see diagram above).</li> <li>The installation of the standard handle does not require the escutcheon to be removed.</li> </ul> | -                                             |
| Supply            | -                                                                                                                                                                                                                                                              | Delivered with 2 keys                                                                                                                                                                                                                                                                                   | -                                             |
| <b>References</b> |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                         |                                               |
| -                 | -                                                                                                                                                                                                                                                              | -                                                                                                                                                                                                                                                                                                       | NSYTSMLS3D                                    |
| 1242              | -                                                                                                                                                                                                                                                              | NSYAEDL1242S3D                                                                                                                                                                                                                                                                                          | -                                             |
| 405               | -                                                                                                                                                                                                                                                              | NSYAEDL405S3D                                                                                                                                                                                                                                                                                           | -                                             |
| 421               | -                                                                                                                                                                                                                                                              | NSYAEDL421S3D                                                                                                                                                                                                                                                                                           | -                                             |
| 455               | -                                                                                                                                                                                                                                                              | NSYAEDL455S3D                                                                                                                                                                                                                                                                                           | -                                             |
| 2331A             | -                                                                                                                                                                                                                                                              | NSYAEDL2331S3D                                                                                                                                                                                                                                                                                          | -                                             |
| 2433A             | -                                                                                                                                                                                                                                                              | NSYAEDL2433S3D                                                                                                                                                                                                                                                                                          | -                                             |
| 3113A             | -                                                                                                                                                                                                                                                              | NSYAEDL3113S3D                                                                                                                                                                                                                                                                                          | -                                             |
| 3524E             | -                                                                                                                                                                                                                                                              | NSYAEDL3524S3D                                                                                                                                                                                                                                                                                          | -                                             |
| 3131A             | -                                                                                                                                                                                                                                                              | NSYAEDL3131AS3D <b>New</b>                                                                                                                                                                                                                                                                              | -                                             |
| 610               | -                                                                                                                                                                                                                                                              | NSYAEDL610S3D <b>New</b>                                                                                                                                                                                                                                                                                | -                                             |

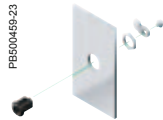
## Locks



| Characteristics              | Standard locks                                                                                                                                                                                                                                                                                                                                                  | Barrel DIN kit                                                                                                                                                                                                      | Double bar 3 mm metal lock                              | Metal cam kit 1 point and 3 points |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|------------------------------------|
|                              | Spacial S3D wall-mounting enclosures are supplied with a 3 mm double-bar lock as standard.<br><ul style="list-style-type: none"> <li>Spare lock: order ref. <b>NSYAEDLS3DRL</b> (escutcheon + cam + washer).</li> <li>Large range of standardised inserts covering all the most common needs.</li> <li>Installation and removal with a single screw.</li> </ul> | Mounting of half-cylinder according to DIN 18252 (EN1303) brass nikel plated with 2 keys. Cam can be turned every 45°.<br><ul style="list-style-type: none"> <li>Easy mounting instead of standard lock.</li> </ul> | Easy mounting instead of standard lock.                 | To adapt other locks.              |
| Material                     | -                                                                                                                                                                                                                                                                                                                                                               | Polyamide GF                                                                                                                                                                                                        | Zamack                                                  | Zinc-coated metal                  |
| Mechanical protection rating | -                                                                                                                                                                                                                                                                                                                                                               | IP66                                                                                                                                                                                                                | -                                                       | -                                  |
| Supply                       | Delivered with 1 plastic key                                                                                                                                                                                                                                                                                                                                    | Delivered with metal cam 1 point and metal cam 3 points                                                                                                                                                             | Delivered with metal cam 1 point and metal cam 3 points | -                                  |
| <b>References</b>            |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                     |                                                         |                                    |
| -                            | -                                                                                                                                                                                                                                                                                                                                                               | NSYAEDDINS3D*                                                                                                                                                                                                       | NSYAEDLB3MS3D*                                          | NSYAEDLMETS3D*                     |
| 6 mm square                  | NSYAEDLS6S3D                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                     |                                                         |                                    |
| 7 mm square                  | NSYAEDLS7S3D                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                     |                                                         |                                    |
| 8 mm square                  | NSYAEDLS8S3D                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                     |                                                         |                                    |
| 3 mm double bar              | NSYAEDLB3S3D                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                     |                                                         |                                    |
| 5 mm double bar              | NSYAEDLB5S3D                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                     |                                                         |                                    |
| CNOMO 6.5 mm triangular      | NSYAEDLT6S3D                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                     |                                                         |                                    |
| 8 mm triangular              | NSYAEDLT8S3D                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                     |                                                         |                                    |

\* Available from June 2015.

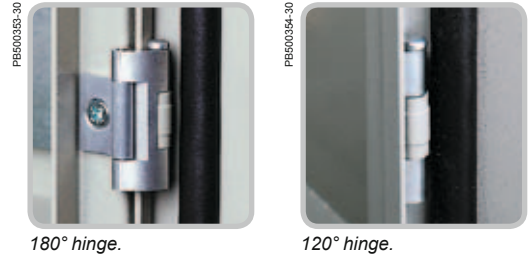
### Locks



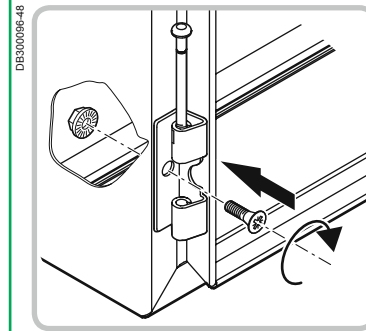
| Characteristics              | Other lock with screwdriver insert and metal latch | Padlock                                        | Other locks with keys                       | "Push-close" locking system                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------|----------------------------------------------------|------------------------------------------------|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              | -                                                  | Easy mounting instead of the standard lock.    | Easy mounting instead of the standard lock. | <p>The Spacial S3D enclosures can be transformed into push-close enclosures.</p> <ul style="list-style-type: none"> <li>■ The push-close enclosure is used in various applications and fully meets the security demands of the market.</li> <li>■ Locking system with a 6.5-mm push-close system in accordance with CNOMO standards.</li> <li>■ This system allows the door to be closed and locked by simply pushing it.</li> <li>■ System made up of a lock and a closure plate.</li> <li>■ It is only installed on enclosures with 1 locking point (H &lt; 600 mm).</li> <li>■ Other dimensions: contact us.</li> </ul> |
| Material                     | -                                                  | Zamack                                         | -                                           | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Mechanical protection rating | -                                                  | -                                              | -                                           | IP55                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Supply                       | -                                                  | Delivered with 3 mm double-bar metal key       | Metal cam supplied                          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| References                   |                                                    |                                                |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                              | <b>NSYAEDLSDS3D</b>                                | <b>Padlockable (1)</b><br><b>NSYAEDLPADS3D</b> | -                                           | <b>NSYAEDLPSS3D</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| EDF 900                      | -                                                  | -                                              | <b>NSYAEDLEDF9S3D</b>                       | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| EDF 1300                     | -                                                  | -                                              | <b>NSYAEDLEDF13S3D</b>                      | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| EDF 1400                     | -                                                  | -                                              | <b>NSYAEDLEDF14S3D</b>                      | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                              |                                                    | <p>DB300095-33</p>                             |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

(1) Diameter 8 mm.

### Door accessories



| Characteristics              | Door hinges                                                                                                                                                                                                                          |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material                     | Captive pin, indexed by a spring.<br>Zamack body for ref. <b>NSYAEDH180S3D</b> , treated sheet-steel body for ref. <b>NSYAEDH120S3D</b> , aluminium pin                                                                              |
| Maximum load                 | <ul style="list-style-type: none"> <li>■ For the 180° hinge, the maximum admissible load on the door is 20 kg/m<sup>2</sup></li> <li>■ For the 120° hinge, the maximum admissible load on the door is 50 kg/m<sup>2</sup></li> </ul> |
| Supply                       | Batch of 1 hinge, delivered with fixings                                                                                                                                                                                             |
| Models                       | References                                                                                                                                                                                                                           |
| 180° hinge for S3D enclosure | <b>NSYAEDH180S3D</b>                                                                                                                                                                                                                 |
| Standard 120° hinge for S3D  | <b>NSYAEDH120S3D</b>                                                                                                                                                                                                                 |



|            | Door switch      | Door retainer      |                      |
|------------|------------------|--------------------|----------------------|
|            |                  | Steel              | Polyamide            |
| See page   | 295              | 297                | 297                  |
| Supply     | 1                | 1                  | 1                    |
| References | <b>NSYINLCRN</b> | <b>NSYAEDRSCST</b> | <b>NSYAEDRS3DPA6</b> |

### Door accessories



| Characteristics | Internal door                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <ul style="list-style-type: none"> <li>■ Locking with 3-mm double-bar lock.</li> <li>■ The internal door can be installed directly on the front face of the enclosure or on the step slides (not supplied as standard).</li> <li>■ To mount an inner door and a mounting plate at the same time on the step slides is possible as standard.</li> <li>■ Incompatible with the installation of the door stop and door switch. For further details, please consult us.</li> </ul> |
| Material        | Sheet-steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Colour          | RAL 7035 grey                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Maximum load    | 30 kg/m <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Dimensions (mm) | References                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| H 400 x W 300   | <b>NSYPIN43</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| H 500 x W 400   | <b>NSYPIN54</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| H 600 x W 400   | <b>NSYPIN64</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| H 700 x W 500   | <b>NSYPIN75</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| H 800 x W 600   | <b>NSYPIN86*</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| H 1000 x W 600  | <b>NSYPIN106*</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| H 1000 x W 800  | <b>NSYPIN108*</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| H 1200 x W 600  | <b>NSYPIN126</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| H 1200 x W 800  | <b>NSYPIN128*</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                 | <p><i>Installation on the front of the enclosure (A)<br/>or installation on step slides (B).</i></p>                                                                                                                                                                                                                                                                                                                                                                           |

\* Equipped with welded vertical profiles in order to facilitate cable management.

(1) Dimension resulting from installation on step slides: B-83 mm.

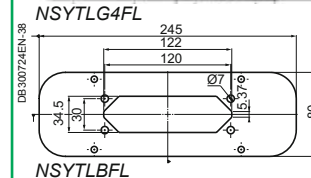
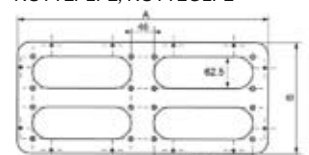
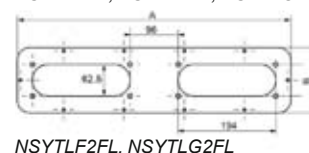
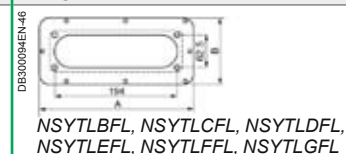
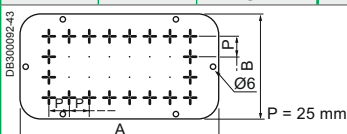
Dimension resulting from direct installation (without step slides): B-91 mm.

## Cable-gland plates



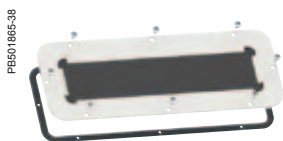
| Characteristics           | Standard cable-gland plate                                                                                                             | Aluminium cable-gland plate                                | Cable-gland plates with FL type cut-out for cable-gland membranes                                           |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
|                           | Plate delivered as standard with the Spacial S3D universal enclosure. Surface with markings in steps of 25 mm, to facilitate drilling. | Suitable for non-magnetic applications.                    | Mounting instead of the Spacial S3D plate. Cut-outs for installation of membranes type FL 21 (1), page 279. |
| Material                  | Steel                                                                                                                                  | Brushed-finish aluminium                                   | Steel, structured finish RAL 7035                                                                           |
| Thickness                 | 15/10 <sup>e</sup> mm                                                                                                                  | 30/10 <sup>e</sup> mm                                      | -                                                                                                           |
| Ingress protection rating | -                                                                                                                                      | -                                                          | -                                                                                                           |
| Certifications            | -                                                                                                                                      | -                                                          | -                                                                                                           |
| Fixing                    | Fixing by 4, 6, 8, 10 or 12 screws, according to the model                                                                             | Fixing by 4, 6, 8, 10 or 12 screws, according to the model | Fixing by 4, 6, 8, 10 or 12 screws, according to the model                                                  |
| Other characteristics     | -                                                                                                                                      | -                                                          | -                                                                                                           |
| Supply                    | -                                                                                                                                      | -                                                          | -                                                                                                           |

| For wall-mounting enclosures (mm) |             | Type | Plate dimensions (mm) |           | References       |                 |            |                  |             |                                                         |
|-----------------------------------|-------------|------|-----------------------|-----------|------------------|-----------------|------------|------------------|-------------|---------------------------------------------------------|
| Width                             | Depth       |      | Width (A)             | Depth (B) | No. of Ø 6 holes | No. of markings |            | No. of Ø 6 holes |             |                                                         |
| 200-250                           | 150         | A    | 140                   | 80        | 4                | 8               | NSYTLA     | 4                | NSYTLAU     | NSYTLAFL (4)                                            |
| 300-400                           | 150         | B    | 245                   | 80        | 4                | 16              | NSYTLB     | 4                | NSYTLBU     | NSYTLBFL (3)                                            |
| 300                               | 200         | C    | 245                   | 130       | 6                | 32              | NSYTLC     | 6                | NSYTLCU     | NSYTL CFL                                               |
| 400                               | 200-250     | D    | 345                   | 130       | 8                | 48              | NSYTLD     | 8                | NSYTLDU     | NSYTLDFL                                                |
| 500                               | 200-250     | E    | 445                   | 130       | 9                | 64              | NSYTLE     | 9                | NSYTLEU     | NSYTLEFL                                                |
| 600                               | 200-250     | F    | 545                   | 130       | 10               | 80              | NSYTLF     | 10               | NSYTLFU     | NSYTLFFL                                                |
|                                   | 300-400     | G    | 495                   | 220       | 12               | 126             | NSYTLG     | 12               | NSYTLGU     | NSYTLF2FL (2)<br>NSYTLGFL<br>NSYTLG2FL<br>NSYTLG4FL (2) |
| 800                               | 250-300-400 | D*   | 345                   | 130       | -                | -               | 2 x NSYTLD | -                | 2 x NSYTLDU | 2 x NSYTLDFL                                            |
| 1000-1200                         | 300-400     | E*   | 445                   | 130       | -                | -               | 2 x NSYTLE | -                | 2 x NSYTLEU | 2 x NSYTLEFL                                            |



\* Enclosure with 2 cable-gland plates. - (1) Cut-out FL13 for depth 150 mm; and cut-out FL21 for other depths.  
 (2) With 2 FL21 cut-outs: ref. NSYTLG2FL; with 4 FL21 cut-outs: ref. NSYTLG4FL. - (3) NSYTLBFL with FL13 cut-out.  
 (4) NSYTLAFL cannot be mounted on enclosure width 200 and depth 150.

## Cable-gland plates



### FlexiCable cable entries

FlexiCable is an innovative cable-gland plate for simple and fast cable entrance. There is no need to drill holes: the creation of the cable entrances takes a few seconds.

- **Installation possibilities:** replaces cable-gland plate (S3D) or directly on enclosure.
- **Cable diameter:** up to 26 mm.

IP55

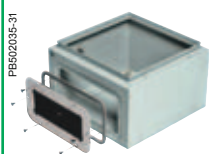
- Fire resistant 650°C following IEC 60695-2-11
- Tested on short-circuit effect 250 A, 25 kA following IEC 61439-1

Exists in 5 sizes matching 46 sizes (132 models) of Spacial S3D steel wall-mounting enclosures

- 1 metallic frame with pre-mounted membrane
- 1 gasket
- Hardware

### Effective cable entrance dimensions (mm)

|           |               |
|-----------|---------------|
| -         | -             |
| 178 x 63  | NSYTLCEME     |
| 278 x 63  | NSYTLDEME     |
| 378 x 63  | NSYTLLEME     |
| 478 x 63  | NSYTLFME      |
| 428 x 153 | NSYTLGME      |
| -         | 2 x NSYTLDEME |
| -         | 2 x NSYTLLEME |



Mount FlexiCable on your S3D enclosure.



Create a hole with a screw driver.



Push the cable through FlexiCable and finish-off your installation.

### FlexiCable repair kit



To fill-in unused holes.

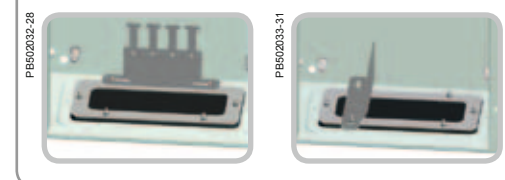
Reference  
NSYTLREP

### Cable management solutions for Flexicable plate

Cable-guide to be mounted directly on Flexicable plate

| Description                      | Supply | Reference |
|----------------------------------|--------|-----------|
| Cable-guide for Flexicable plate | 1      | NSYEDCME  |

### Example of mounting

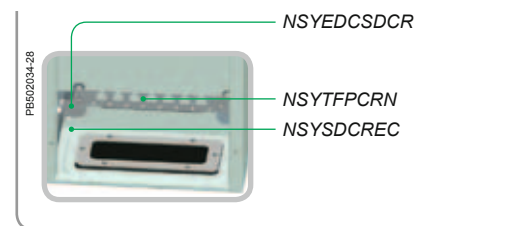


### Cable-guide to be mounted on adjustable step slides

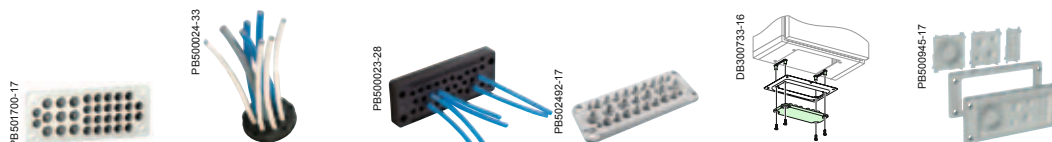
- To be mounted on adjustable step slides NSYSDCREC or NSYSDCR.
- Direct mounting of cable guides NSYTFPCR on bracket.

| Description                                                | Supply | References   |
|------------------------------------------------------------|--------|--------------|
| Bracket for adjustable step slide                          | 2      | NSYEDCSDCR   |
| Adjustable step slide, depth 200 mm                        | 2      | NSYSDCREC200 |
| depth 250 mm                                               | 2      | NSYSDCREC250 |
| depth 300 mm                                               | 2      | NSYSDCREC300 |
| depth 400 mm                                               | 2      | NSYSDCREC400 |
| Cable-guide for wall-mounting enclosure, door width 400 mm | 2      | NSYTFPCR4    |
| 500 mm                                                     | 2      | NSYTFPCR5    |
| 600 mm                                                     | 2      | NSYTFPCR6    |
| 800 mm                                                     | 2      | NSYTFPCR8    |
| 1000 mm                                                    | 2      | NSYTFPCR10   |

### Example of mounting



### Cable entries overview



| Characteristics                                     | Multi-A                                                                             | Multi-C                                                                                   | Multi-R                                                                                                              | Multi-T                                                                              | Prisma                                                                                       | Multi-F                                                                                  |
|-----------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
|                                                     | FL13 & FL21 type membranes.                                                         | Circular connector-free entries.                                                          | Rectangular connector-free entries.                                                                                  | FL21-type membranes.                                                                 | FL21 or rectangular.                                                                         | FL13 & FL21 pre-configured flanges.                                                      |
| Cable entry material                                | Combined                                                                            | Soft membrane cable entries                                                               |                                                                                                                      |                                                                                      |                                                                                              |                                                                                          |
| Cable glands to be fitted                           | Optional: specific cable clamp ref. <b>NSYAECPLACA●●</b> to be used                 | No                                                                                        | No                                                                                                                   | No                                                                                   | No                                                                                           | No                                                                                       |
| Installation possibilities                          | On cable gland plate adapter or directly on enclosure                               | On modified cable gland plate or directly on enclosure                                    | On cable gland plate with special cut-out or directly on enclosure                                                   | On cable gland plate adapter or directly on enclosure                                | On cable gland plate adapter or directly on enclosure                                        | On cable gland plate adapter or directly on enclosure                                    |
| Flexibility of the installation                     | Medium                                                                              | Medium                                                                                    | Medium                                                                                                               | Medium                                                                               | Medium                                                                                       | Medium                                                                                   |
| Reversibility                                       | Medium                                                                              | Full                                                                                      | Full                                                                                                                 | Medium                                                                               | Medium                                                                                       | Medium                                                                                   |
| Ingress protection rating                           | IP65                                                                                | IP65                                                                                      | IP65                                                                                                                 | IP65                                                                                 | IP55                                                                                         | IP65                                                                                     |
| Cable retention                                     | High with cable clamp, (upto 18 daN)                                                | Medium                                                                                    | Medium                                                                                                               | Low                                                                                  | Low                                                                                          | Low                                                                                      |
| Cable diameter (mm)                                 | From 13 to 30                                                                       | From 3 to 15.9                                                                            | From 4.3 to 15.9                                                                                                     | From 6 to 60                                                                         | From 7 to 72                                                                                 | From 16 to 50                                                                            |
| Cable Installation time                             | Medium                                                                              | Fast                                                                                      | Fast                                                                                                                 | Fast                                                                                 | Fast                                                                                         | Fast                                                                                     |
| Quantity of cables to be fitted for a given surface | ++                                                                                  | ++                                                                                        | ++                                                                                                                   | ++                                                                                   | ++                                                                                           | ++                                                                                       |
| Cable entries for cables with connectors            | No                                                                                  | No                                                                                        | No                                                                                                                   | No                                                                                   | No                                                                                           | No                                                                                       |
| Cut-out dimensions (mm)                             | FL13 and FL21                                                                       | Ø 50.5<br>Ø 63.5                                                                          | 112 x 36                                                                                                             | FL21                                                                                 | FL21                                                                                         | From 134 x 52 to 214 x 90                                                                |
| External dimensions (mm)                            | 216 x 84                                                                            | Ø 58 to 71                                                                                | 146 x 14 x 58                                                                                                        | 216 x 84                                                                             | 216 x 84                                                                                     | From 134 x 52 to 214 x 90                                                                |
| Certificates                                        | -                                                                                   | UL94-V0                                                                                   | UL94-V0                                                                                                              | UL94-V0                                                                              | -                                                                                            | UL94-HB                                                                                  |
| Flame resistance                                    | 750°C                                                                               | 650°C                                                                                     | 650°C                                                                                                                | 650°C                                                                                | -                                                                                            | -                                                                                        |
| <b>References*</b>                                  | <b>NSYAECPLA7</b><br><b>NSYAECPLA10</b><br><b>NSYAECPLA25</b><br><b>NSYAECPLA33</b> | <b>NSYTSAM504SE</b><br><b>NSYTSAM508SE</b><br><b>NSYTSAM638SE</b><br><b>NSYTSAM6313SE</b> | <b>NSY TSA2414SE</b><br><b>NSY TSA2417SE</b><br><b>NSY TSA2422SE</b><br><b>NSY TSA2423SE</b><br><b>NSY TSA2429SE</b> | <b>NSYAECPLBP**</b><br><b>NSYAECPLT7</b><br><b>NSYAECPLT25</b><br><b>NSYAECPLT35</b> | <b>08881</b><br><b>08892</b><br><b>08895</b><br><b>08897</b><br><b>08898</b><br><b>08899</b> | <b>NSYAECPKFL11</b><br><b>NSYAECPKFL7A</b><br><b>NSYAECPKFL7B</b><br><b>NSYAECPKFL10</b> |

\* For details, type the reference in the search engine of [www.schneider-electric.com](http://www.schneider-electric.com).

\*\* Metallic plate.



### Cable entries overview



| Multi-CR                                                                                                                                                                                  | Multi-H                                               | Simple-1                                                                                   | Simple-2                                                                                               | Simple-3                                                                                | Simple-4                                                                                                               | Simple-5                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| Cable entries with dies for cables equipped with connectors.                                                                                                                              | FL21 insulated flange with ISO knockouts.             | Mixed membrane entries for enclosure thickness 20/10 <sup>e</sup> - 32/10 <sup>e</sup> mm. | PVC adjustable cone-shaped entries for enclosure thickness 30/10 <sup>e</sup> - 32/10 <sup>e</sup> mm. | Quick cable entries for enclosure thickness 10/10 <sup>e</sup> - 40/10 <sup>e</sup> mm. | PVC adjustable cone-shaped entries for PG tubes or for enclosure thickness 12/10 <sup>e</sup> - 15/10 <sup>e</sup> mm. | ISO cable gland.                                                     |
| Hard plastic                                                                                                                                                                              |                                                       | Soft membrane                                                                              |                                                                                                        | Combined                                                                                |                                                                                                                        |                                                                      |
| Yes, cable die <b>NSYDCE●●●●</b> and <b>NSYDCE●●●●</b> (page 277)                                                                                                                         | Yes                                                   | Not applicable                                                                             |                                                                                                        |                                                                                         |                                                                                                                        |                                                                      |
| On cable gland plate adapter or directly on enclosure                                                                                                                                     | On cable gland plate adapter or directly on enclosure | On cable gland plate or directly on enclosure                                              |                                                                                                        |                                                                                         |                                                                                                                        |                                                                      |
| Low                                                                                                                                                                                       | Low                                                   | Low                                                                                        |                                                                                                        |                                                                                         |                                                                                                                        |                                                                      |
| Medium                                                                                                                                                                                    | Medium                                                | Medium                                                                                     |                                                                                                        |                                                                                         |                                                                                                                        |                                                                      |
| IP54                                                                                                                                                                                      | IP65                                                  | IP55                                                                                       | IP55                                                                                                   | IP67                                                                                    | IP55                                                                                                                   | IP68                                                                 |
| High (with fastener)                                                                                                                                                                      | High (with cable clamp)                               | Low                                                                                        | Low                                                                                                    | Medium                                                                                  | Low                                                                                                                    | High                                                                 |
| From 3 to 31                                                                                                                                                                              | From 12 to 25                                         | From 20 to 40                                                                              | From 18 to 87                                                                                          | From 12 to 50                                                                           | From 16 to 44                                                                                                          | From 12 to 40                                                        |
| Slow                                                                                                                                                                                      | Slow                                                  | Fast                                                                                       | Fast                                                                                                   | Fast                                                                                    | Fast                                                                                                                   | Slow                                                                 |
| ++                                                                                                                                                                                        | ++                                                    | +                                                                                          | +                                                                                                      | +                                                                                       | +                                                                                                                      | +                                                                    |
| Yes                                                                                                                                                                                       | No                                                    | No                                                                                         | No                                                                                                     | No                                                                                      | No                                                                                                                     | No                                                                   |
| 36 x 112                                                                                                                                                                                  | FL21                                                  | Various circular hole diameters according to cable diameter                                |                                                                                                        |                                                                                         |                                                                                                                        |                                                                      |
| 146 x 58                                                                                                                                                                                  | 215 x 85                                              | -                                                                                          | From Ø 25 to 98                                                                                        | -                                                                                       | From Ø 25 to 52                                                                                                        | From Ø 15 to 46                                                      |
| -                                                                                                                                                                                         | UL94-V1                                               | -                                                                                          | -                                                                                                      | -                                                                                       | -                                                                                                                      | -                                                                    |
| 650°C                                                                                                                                                                                     | 750°C                                                 | 750°C                                                                                      | -                                                                                                      | 750°C                                                                                   | -                                                                                                                      | 750°C                                                                |
| NSYCEJD<br>NSYCEJD3<br>NSYCEJD5<br>NSYCEJD7<br>NSYCEJD9<br>NSYCEJD11<br>NSYCEJD13<br>NSYCEJD16<br>NSYCEJD18<br>NSYCEJD20<br>NSYCEJD22<br>NSYCEJD24<br>NSYCEJD26<br>NSYCEJD28<br>NSYCEJD30 | NSYSAKFL                                              | ISM71071<br>ISM71072<br>ISM71073<br>ISM71074<br><br>IMT36172<br>IMT36173                   | NSYECPC3<br>NSYECPC5<br>NSYECPC6<br>NSYECPC9<br>NSYECPC15                                              | IMT36179<br>IMT36180<br>IMT36181<br>IMT36182<br>IMT36183<br>IMT36184<br>IMT36185        | NSYEC1<br>NSYEC2<br>NSYEC3<br>NSYEC4<br>NSYEC5<br>NSYEC6<br>NSYEC7                                                     | ISM71501<br>ISM71502<br>ISM71503<br>ISM71504<br>ISM71505<br>ISM71506 |

# Steel wall-mounting enclosures

## Additional information

PB500386-34

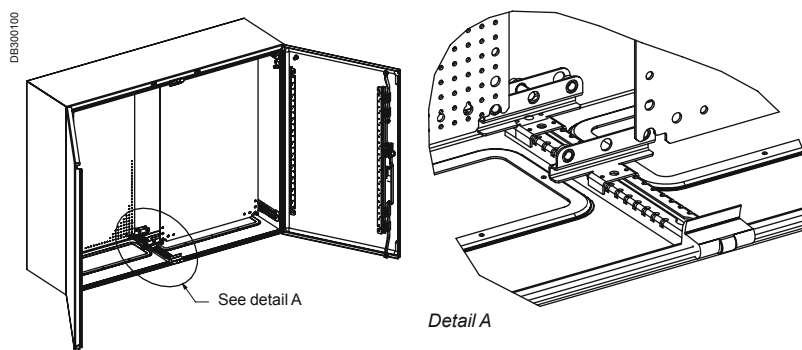
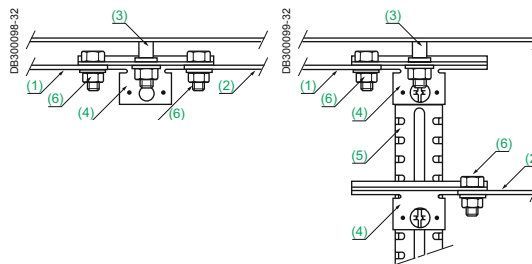


- (1) Left mounting plate.
- (2) Right mounting plate.
- (3) Central backstud.
- (4) Bracket ref. **NSYCRNGSDR** with 2 M8 x 20 mm screws.
- (5) Step slide ref. **NSYDRSDCR300** (depth 300), **NSYDRSDCR400** (depth 400).
- (6) M8 x 20 mm screw.

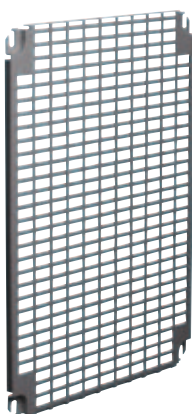
### Installation of 2 mounting plates in the enclosures with width of 1000 or 1200 mm and depth of 300 or 400 mm

Step slides, page 218.

- 1** - On the 6 backstuds
- 2** - Two offset mounting plates with depthwise adjustment



PB500387-34

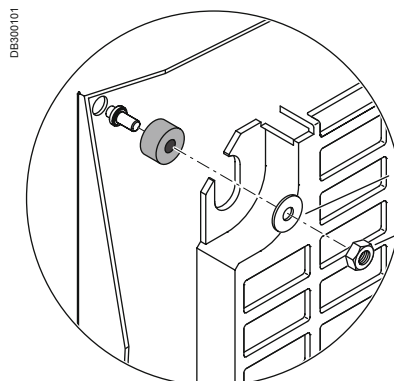


### Installation of Telequick mounting plates

Spacers for raising the mounting plate in the enclosures equipped with 6 studs.

#### Reference

**NSYEMR**



PB500388-54

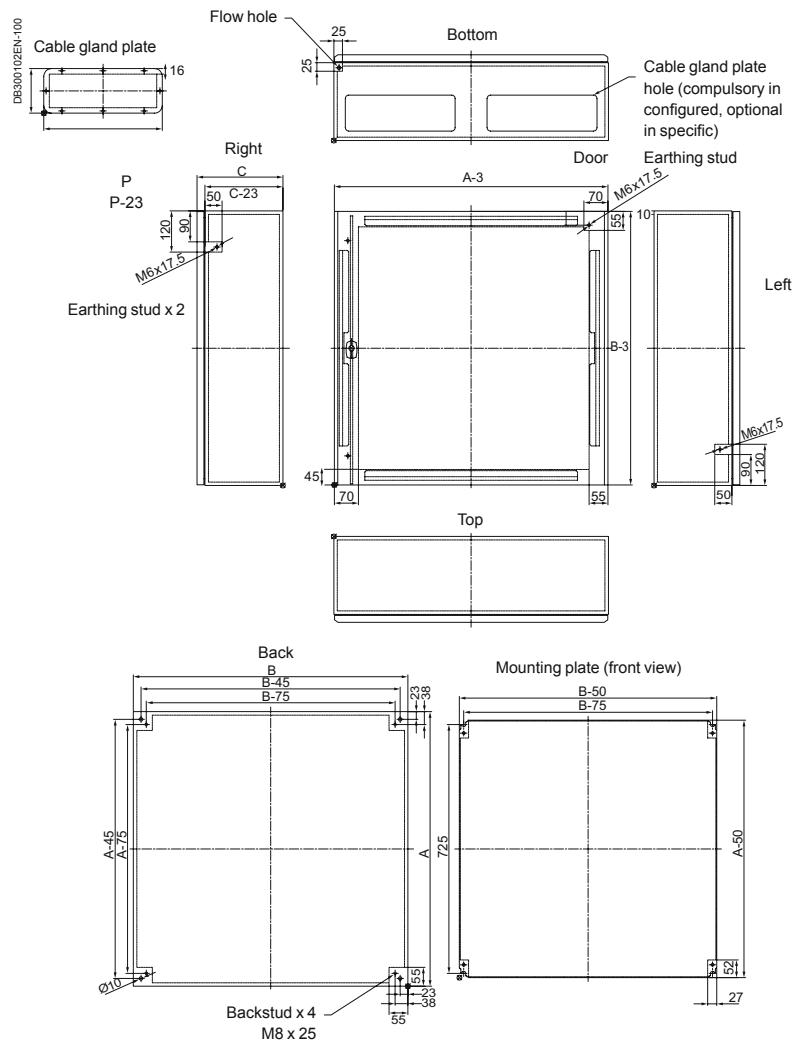


### Acceptable loads on the mounting plates, bases and doors

| Spacial 3D wall-mounting enclosures |         |             |                 |                   | References                     |
|-------------------------------------|---------|-------------|-----------------|-------------------|--------------------------------|
| Acceptable loads (kg)               |         |             |                 |                   |                                |
| On plain mounting plates            | On base | On door (1) | On vertical lug | On horizontal lug |                                |
| 60                                  | 135     | 50          | 350             | 190               | NSYS3D3215 to NSYS3D5320       |
| 90                                  | 135     | 50          | 350             | 190               | NSYS3D5420 to NSYS3D6425       |
| 135                                 | 135     | 50          | 350             | 190               | NSYS3D6620 to NSYS3D8630       |
| 150                                 | 135     | 50          | 350             | 190               | NSYS3D10625 to NSYS3D10830     |
| 180                                 | 135     | 50          | 350             | 190               | NSYS3D101030D to NSYS3D141030D |

(1) On a sheet door with a thickness of 20/10° mm: 60 kg of maximum acceptable load (please consult us).

### Areas without cut-outs



For 800, 1000 and 1200-mm widths, 2 cable-gland plates: see previous page.

Vertical cable guides from 400-mm height.  
Horizontal cable guides from 800-mm width.

Download our DXF diagrams from our websites.

PB500311-51



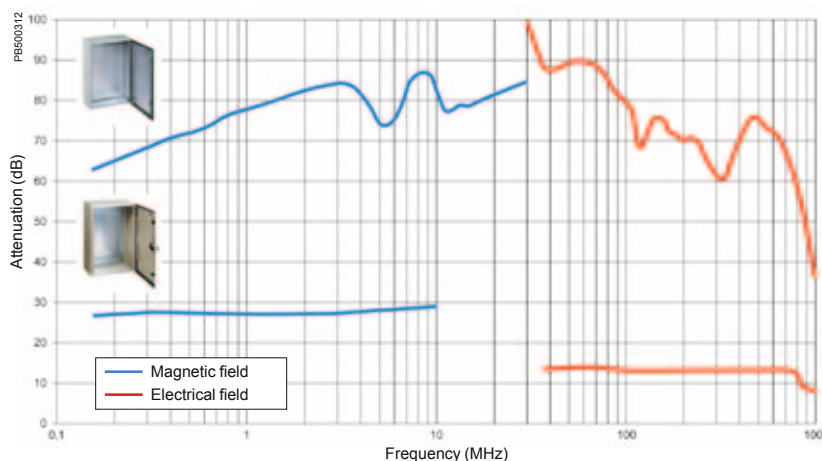
### EMC protection

Standard Spacial S3D enclosures are tested against electromagnetic disruptions. Since the enclosure is tested empty, it is advisable to rerun the tests with the enclosure completely equipped in its final configuration.

Earth braids to be ordered separately, see page 301.

Another solution and information on electromagnetic compatibility: Spacial S3HF enclosure, page 390.

### Attenuation curve of the Spacial S3D compared with the Spacial S3HF



PB501004-18



Frequency: 3 - 13.2 Hz  
 Amplitude: 1 mm/sec below 22 Hz  
 Frequency: 3 - 100 Hz  
 Acceleration: 0.7 g above 30 Hz

### Vibration constraints

Specific construction of the Spacial S3D - Single-piece body (cross-shaped structure). The rear is flat without added parts - this allows it to comply with certain vibration constraints.

The tests were conducted according to the "rules for ships" by "Det Norske Veritas". Enclosures labelled "DNV" have undergone these tests and obtained classification "A". Since the enclosure is tested empty, it is advisable to rerun the tests with the enclosure completely equipped in its final configuration.

PB501005-16



### ATEX compliance

The Spacial S3D enclosure (with adaptation) is certified ATEX by the LCIE. Spacial S3DEX enclosure, page 400 consult us.

### Environnemental consideration

Compliance with RoHS standard.



# Steel floor-standing enclosures

PBE500067-39



### **Spacial SM-SF Steel floor-standing enclosures 80**

|                               |    |
|-------------------------------|----|
| Introduction                  | 80 |
| Characteristics               | 82 |
| Dimensions                    | 84 |
| Selection guide               | 86 |
| Specific accessories overview | 92 |
| Common accessories overview   | 94 |
| Accessories                   | 96 |

PBE500205-22



### **Associated applicative offers**

|                                                     |     |
|-----------------------------------------------------|-----|
| <b>SFP</b> Prisma application                       | 304 |
| <b>SFHD</b> Floor-standing Heavy Duty enclosures    | 332 |
| <b>SF 5G, SFP 5G</b> Seismic and nuclear enclosures | 346 |
| Electronic application                              | 370 |
| <b>SMHF</b> Electromagnetic compatibility           | 391 |
| <b>SFHF</b> Electromagnetic compatibility           | 391 |
| Compartmentalised application                       | 442 |
| Automobile application                              | 448 |

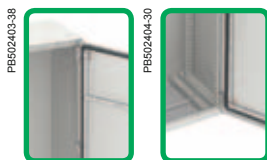
**SM**

> Multi-purpose **IP55 compact steel enclosure** for fast and simple solutions.



**Robust**

- Body made as a single piece with welded rear panel.
- Front part forming a rigid frame with welded corners.



**Practical**

- Door rails, which can be height-adjustable and used for fixing cables.
- The adaptation profile installed in the front of the enclosure and the universal 40-mm cross rail (1 row) in the rear provide the same fixing points as the modular enclosure.



**Protection**

- IP guaranteed by the rigidity of the enclosure, the expanded-polyurethane sealing gasket of the enclosure and the subsequent welding.
- Double-door enclosures with inner lock on the left door.



**Comfort**

- Handle with sturdy design for easily activating the locking system, allowing the installation of any shape insert and any cylindrical combination key.
- Easily interchangeable insert with one click.

**This range can be configured according to your needs**

4 different services available:



Assemble to order



Mounting of standard accessories



Painting



Machining

See page 450 for details or consult our web site [www.schneider-electric.com](http://www.schneider-electric.com)



➤ Multi-purpose **IP55 modular steel enclosure**.

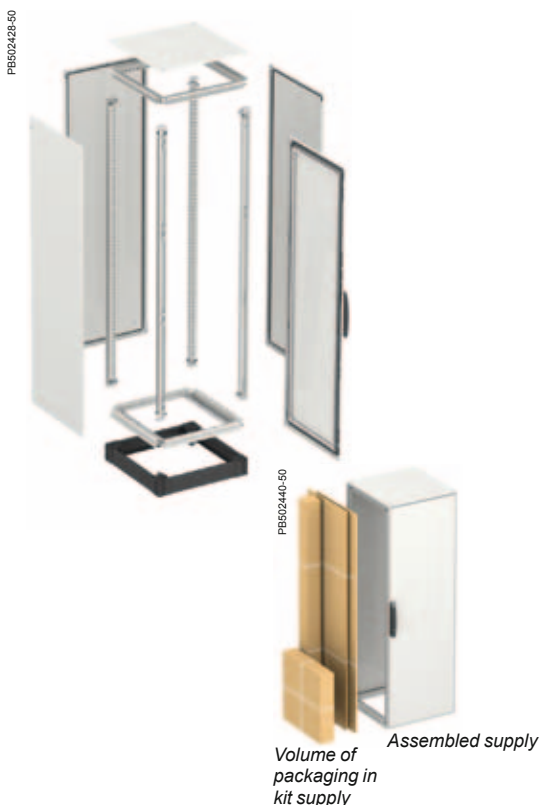
**SF**

Adapts to all your needs.  
Assembled delivery for a ready-to-use solution.



**SF kit**

Adapts to customer needs.  
Delivered as kit, with up to 600 different possible configurations.



PB502414-50

### Robust

- Structure formed from a single 15/10°-mm galvanised-steel section, with a high rigidity.
- Vertical uprights screwed together with connections of full steel. Placement and screwing of the 4 vertical uprights at the corners of the top and bottom frames.
- Fixing by 8 screws, one at each corner of the enclosure.
- Capable of withstanding 1000 kg distributed in its volume.



PB500492-32

### Reliable

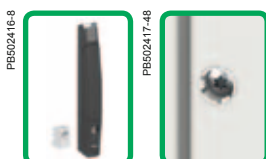
- The design of the profile creates a double protective barrier against the entry of water and dust when coupling two enclosures.
- The first barrier is the metal connection of the sections, and the second barrier is the EPDM gasket that guarantees the sealing.



PB502415-55

### Aesthetics

The built-in panels and handle with new design give the enclosure a new appearance.



PB502416-8



PB502417-48

### Comfort

- Handle with robust design for easily activating the locking system, allowing the installation of any shape insert and any cylindrical combination key.
- Panels with captive screws for easier assembly and dismantling.



PB502426-15

### Practical

Suspension of the rear panel using a self-centring piece to facilitate screwing.



PB502418-20

### Simple

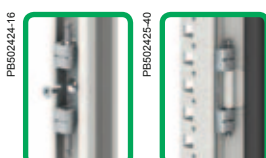
The new design allows enclosures to be coupled in any direction, adapting to all installation surfaces.



PB502419-12

### Accessible

The symmetric design of the profile allows doors to be installed on any side of the enclosure, opening to right or left, providing full accessibility to the enclosure.



PB502424-16



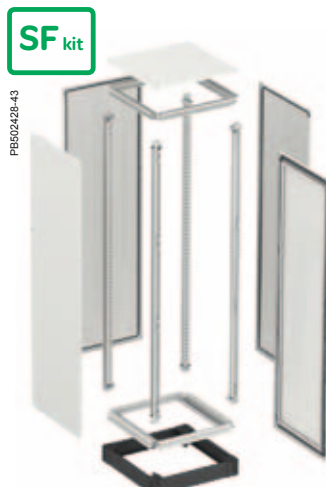
PB502425-40

### Fast

- The double system of cut-outs on the structure allows most accessories to be installed using self-tapping TORX T30 M6 screws or nuts.
- Clip-on quick-fixing cross rails, fixed with self-tapping screws.
- Door installation inserting the captive pins of the hinge in their housing in the door.



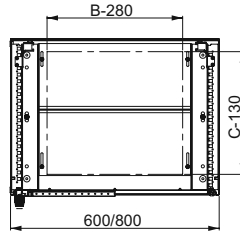
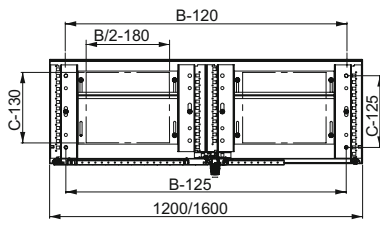
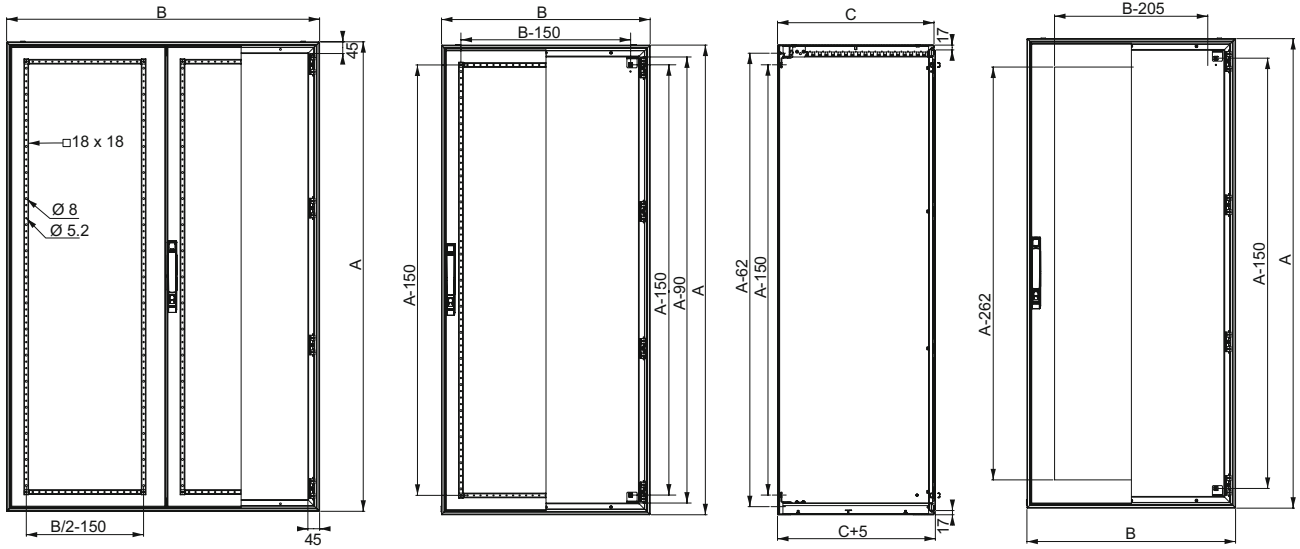
| Characteristics              | Compact enclosures Spacial SM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              | <p>Compact body with a front rigid frame with welded corners and rear panel<br/>4 supports installed in depth to adjust and fix the equipment with a pitch of 25 mm</p> <p><b>Basic composition</b></p> <ul style="list-style-type: none"> <li>■ Front door with a reinforcement frame (horizontal rails height-adjustable)</li> <li>■ The double doors are overlapping, with system for fixing the left door</li> <li>■ Door reversible, 120° opening</li> <li>■ Welded rear panel</li> <li>■ 4 locking points system with handle 5 mm double-bar insert</li> <li>■ Cable-gland plate 1 entry</li> <li>■ Mounting plate support brackets</li> </ul> <p><b>Versions / Configurations</b></p> <ul style="list-style-type: none"> <li>■ Compact enclosure with plain door and mounting plate</li> <li>■ Compact enclosure with plain door and without mounting plate</li> <li>■ Compact enclosure with transparent Securit® glass door and without mounting plate</li> </ul> <p><b>Protection of personnel</b><br/>Earthing accessories needed to ensure the grounding continuity, see page 300</p> |
| Material                     | Sheet steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Finish                       | Textured finish with epoxy-polyester powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Colour                       | RAL 7035 grey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Ingress protection rating    | IP55 according to IEC 60529                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Mechanical protection rating | IK10 for plain door and IK08 for transparent door according to IEC 62262                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Standards                    | Compliance with enclosure standard IEC 62208 and the RoHS directive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Certifications               | BV, DNV, UL * and cUL<br>*1 door: 1, 2, 3R, 4, 5, 12K and 13<br>* 2 doors: 1, 12, 12K                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Installation                 | Indoor / Outdoor* installation<br>* Compliant with IEC 62208 regarding type tests specified in §9.12 (resistance to UV radiation) and §9.13 (resistance to corrosion)<br>Outdoor installation: canopy needed to avoid water stagnation on the upper part of the enclosure, see page 110                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Maximum load                 | 700                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Options                      | <ul style="list-style-type: none"> <li>■ Plinths, heights 100 mm and 200 mm, see page 104</li> <li>■ Lifting eyebolts, reference <b>NSYSMEB</b></li> <li>■ Internal door, see page 113</li> <li>■ Door accessories, see page 114</li> <li>■ Other locking options, see page 116</li> <li>■ Mounting plates and Telequick system, see page 220</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |



| Suitable enclosures Spacial SF - Assembled supply                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Suitable enclosures Spacial SF - Supplied as a kit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Structure made up of vertical uprights joined with top and bottom frames<br/>Panels and doors built into the structure<br/>Formed from a single section and perforated structure with a pitch of 25 mm</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <p>Structure made up of vertical uprights joined with top and bottom frames<br/>Panels and doors built into the structure<br/>Formed from a single section and perforated structure with a pitch of 25 mm</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <p><b>Basic composition</b></p> <ul style="list-style-type: none"> <li>■ Front door with a reinforcement frame (horizontal rails height-adjustable) and a trim plate</li> <li>■ The double doors are overlapping, with system for fixing the left door</li> <li>■ Door reversible, 120° opening</li> <li>■ Rear panel screwed on with captive screws</li> <li>■ Removable roof</li> <li>■ 4 locking points system with handle 5 mm double-bar insert</li> <li>■ Mounting plate support brackets</li> <li>■ Mounting plate sliding rails</li> <li>■ 2 quick fixing cross rails</li> </ul> <p><b>Versions / Configurations</b></p> <ul style="list-style-type: none"> <li>■ Modular enclosure with plain door and mounting plate</li> <li>■ Modular enclosure with plain door and without mounting plate</li> <li>■ Modular enclosure with transparent Securit® glass door and without mounting plate</li> </ul> <p><b>Protection of personnel</b><br/>Earthing accessories needed to ensure the grounding continuity, see page 300</p> | <p><b>Basic composition</b></p> <ul style="list-style-type: none"> <li>■ Front door with a reinforcement frame (horizontal rails height-adjustable)</li> <li>■ The double doors are overlapping, with system for fixing the left door</li> <li>■ Door reversible, 120° opening</li> <li>■ Rear panel to be screwed on with captive screws</li> <li>■ Removable roof delivered with top frame</li> <li>■ 4 locking points system with handle 5 mm double-bar insert</li> <li>■ Mounting plate support brackets delivered with top &amp; bottom frames kit</li> <li>■ Mounting plate sliding rails delivered with top &amp; bottom frames kit</li> <li>■ 2 quick fixing cross rails delivered with top &amp; bottom frames kit</li> </ul> <p><b>Versions / Configurations</b></p> <ul style="list-style-type: none"> <li>■ Uprights kit</li> <li>■ Top and bottom frames kit</li> <li>■ Rear panel kit</li> <li>■ Door kit (plain or transparent)</li> </ul> <p><b>Protection of personnel</b><br/>Earthing accessories needed to ensure the grounding continuity, see page 300</p> |
| Sheet steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Textured finish with epoxy-polyester powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| RAL 7035 grey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| IP55 according to IEC 60529                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | IP55 according to IEC 60529                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| IK10 for plain door and IK08 for transparent door according to IEC 62262                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IK10 for plain door and IK08 for transparent door according to IEC 62262                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Compliance with enclosure standard IEC 62208 and the RoHS directive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <p>BV, DNV, UL and cUL*</p> <p>*1 door: 1, 3R, 12, 12K</p> <p>*2 doors: 1, 3R, 12, 12K</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <p>BV, DNV, UL and cUL*</p> <p>*1 door: 1, 3R, 12, 12K</p> <p>*2 doors: 1, 3R, 12, 12K</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <p>Indoor / Outdoor* installation</p> <p>* Compliant with IEC 62208 regarding type tests specified in §9.12 (resistance to UV radiation) and §9.13 (resistance to corrosion)</p> <p>Outdoor installation: canopy needed to avoid water stagnation on the upper part of the enclosure, see page 110</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <p>Indoor / Outdoor* installation</p> <p>* Compliant with IEC 62208 regarding type tests specified in §9.12 (resistance to UV radiation) and §9.13 (resistance to corrosion)</p> <p>Outdoor installation: canopy needed to avoid water stagnation on the upper part of the enclosure, see page 110</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <ul style="list-style-type: none"> <li>■ Side panels options, see page 96</li> <li>■ Enclosure suites options, see page 98</li> <li>■ Plinths, heights 100 mm and 200 mm, see page 104</li> <li>■ Cable-gland plates, see page 106</li> <li>■ Lifting systems, see page 108</li> <li>■ Roof options, see page 110</li> <li>■ Door accessories, see page 114</li> <li>■ Other locking options, see page 116</li> <li>■ Mounting plates and Telequick system, see page 220</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <ul style="list-style-type: none"> <li>■ Door trim plates, see page 114</li> <li>■ Side panels options, see page 96</li> <li>■ Enclosure suites options, see page 98</li> <li>■ Plinths, heights 100 mm and 200 mm, see page 104</li> <li>■ Cable-gland plates, see page 106</li> <li>■ Lifting systems, see page 108</li> <li>■ Roof options, see page 110</li> <li>■ Other locking options, see page 116</li> <li>■ Mounting plates and Telequick system, see page 220</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

SM

DB300190EN-176

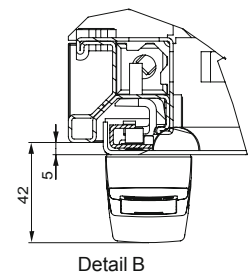
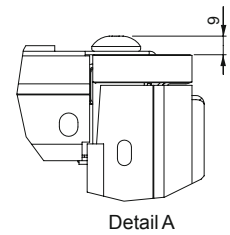
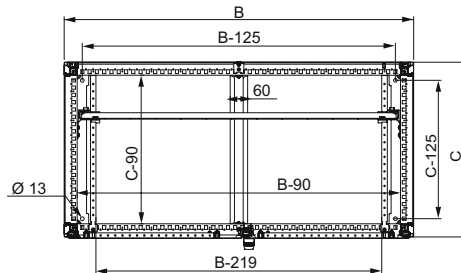
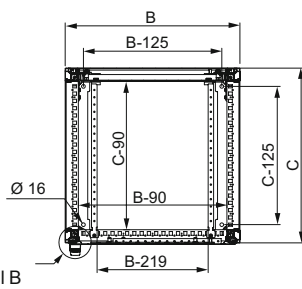
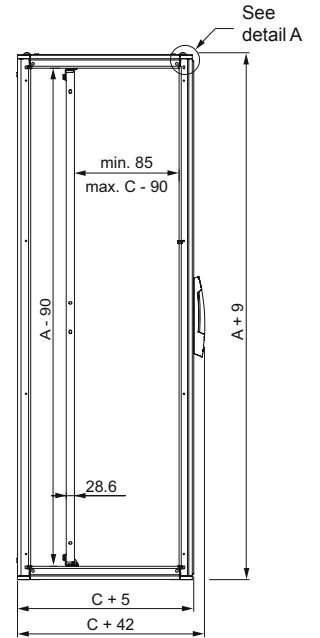
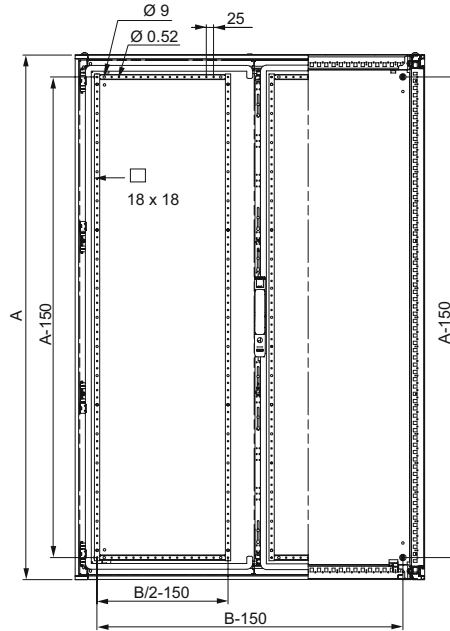
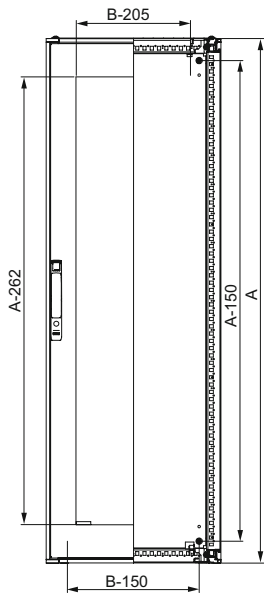


Models with a width of 1200 mm without top/bottom adjustment rails

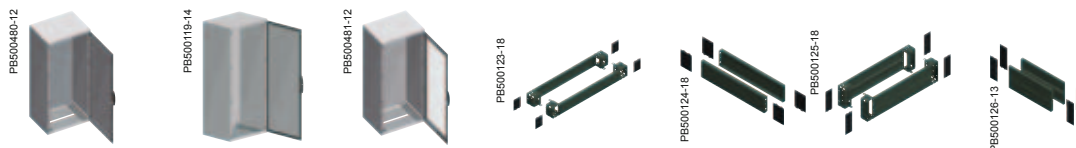
SF

SF kit

DB30085ZEN

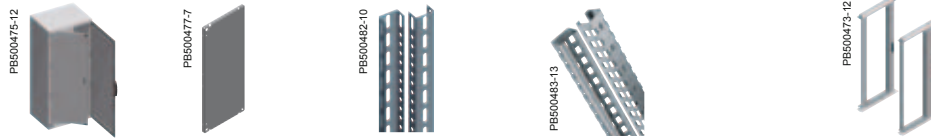


**SM**

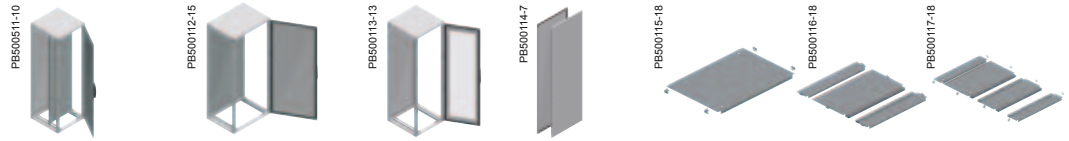


| Characteristics |       |       | Door           |                     |                        | Plinth                 |                                    |                   |                                    |                   |            |
|-----------------|-------|-------|----------------|---------------------|------------------------|------------------------|------------------------------------|-------------------|------------------------------------|-------------------|------------|
| Dimensions (mm) |       |       | No. of doors   | Plain               |                        | Transparent            | Height 100 mm                      |                   | Height 200 mm                      |                   |            |
| H (A)           | W (B) | D (C) |                | With mounting plate | Without mounting plate | Without mounting plate | Front kit (corners + front panels) | Side panels, 2 u. | Front kit (corners + front panels) | Side panels, 4 u. |            |
| 1200            | 800   | 300   | 1              | NSYSM12830P         | NSYSM12830             | -                      | NSYSPF8100                         | NSYSPS3100        | NSYSPF8200                         | NSYSPS3200        |            |
|                 | 1000  | 300   | 2              | NSYSM1210302DP      | NSYSM1210302D          | -                      | NSYSPF10100                        | NSYSPS3100        | NSYSPF10200                        | NSYSPS3200        |            |
|                 | 1200  | 400   | 2              | NSYSM1212402DP      | NSYSM1212402D          | -                      | NSYSPF12100                        | NSYSPS4100        | NSYSPF12200                        | NSYSPS4200        |            |
| 1400            | 600   | 300   | 1              | NSYSM14630P         | NSYSM14630             | -                      | NSYSPF6100                         | NSYSPS3100        | NSYSPF6200                         | NSYSPS3200        |            |
|                 |       | 400   | 1              | NSYSM14640P         | NSYSM14640             | -                      | NSYSPF6100                         | NSYSPS4100        | NSYSPF6200                         | NSYSPS4200        |            |
|                 | 800   | 300   | 1              | NSYSM14830P         | NSYSM14830             | -                      | NSYSPF8100                         | NSYSPS3100        | NSYSPF8200                         | NSYSPS3200        |            |
|                 |       | 400   | 1              | NSYSM14840P         | NSYSM14840             | NSYSM14840T            | NSYSPF8100                         | NSYSPS4100        | NSYSPF8200                         | NSYSPS4200        |            |
|                 |       | 1000  | 400            | 2                   | NSYSM1410402DP         | NSYSM1410402D          | -                                  | NSYSPF10100       | NSYSPS4100                         | NSYSPF10200       | NSYSPS4200 |
|                 |       | 1200  | 400            | 2                   | NSYSM1412402DP         | NSYSM1412402D          | -                                  | NSYSPF12100       | NSYSPS4100                         | NSYSPF12200       | NSYSPS4200 |
| 1600            | 600   | 300   | 1              | NSYSM16630P         | NSYSM16630             | -                      | NSYSPF6100                         | NSYSPS3100        | NSYSPF6200                         | NSYSPS3200        |            |
|                 |       | 400   | 1              | NSYSM16640P         | NSYSM16640             | NSYSM16640T            | NSYSPF6100                         | NSYSPS4100        | NSYSPF6200                         | NSYSPS4200        |            |
|                 | 800   | 300   | 1              | NSYSM16830P         | NSYSM16830             | NSYSM16830T            | NSYSPF8100                         | NSYSPS3100        | NSYSPF8200                         | NSYSPS3200        |            |
|                 |       | 400   | 1              | NSYSM16840P         | NSYSM16840             | NSYSM16840T            | NSYSPF8100                         | NSYSPS4100        | NSYSPF8200                         | NSYSPS4200        |            |
|                 | 1000  | 300   | 2              | NSYSM1610302DP      | NSYSM1610302D          | -                      | NSYSPF10100                        | NSYSPS3100        | NSYSPF10200                        | NSYSPS3200        |            |
|                 |       | 400   | 2              | NSYSM1610402DP      | NSYSM1610402D          | -                      | NSYSPF10100                        | NSYSPS4100        | NSYSPF10200                        | NSYSPS4200        |            |
|                 | 1200  | 300   | 2              | NSYSM1612302DP      | NSYSM1612302D          | -                      | NSYSPF12100                        | NSYSPS3100        | NSYSPF12200                        | NSYSPS3200        |            |
|                 |       | 400   | 2              | NSYSM1612402DP      | NSYSM1612402D          | -                      | NSYSPF12100                        | NSYSPS4100        | NSYSPF12200                        | NSYSPS4200        |            |
|                 | 1800  | 600   | 300            | 1                   | NSYSM18630P            | NSYSM18630             | -                                  | NSYSPF6100        | NSYSPS3100                         | NSYSPF6200        | NSYSPS3200 |
|                 |       |       | 400            | 1                   | NSYSM18640P            | NSYSM18640             | NSYSM18640T                        | NSYSPF6100        | NSYSPS4100                         | NSYSPF6200        | NSYSPS4200 |
|                 |       |       | 500            | 1                   | NSYSM18650P            | NSYSM18650             | -                                  | NSYSPF6100        | NSYSPS5100                         | NSYSPF6200        | NSYSPS5200 |
|                 |       | 800   | 300            | 1                   | NSYSM18830P            | NSYSM18830             | NSYSM18830T                        | NSYSPF8100        | NSYSPS3100                         | NSYSPF8200        | NSYSPS3200 |
| 400             |       |       | 1              | NSYSM18840P         | NSYSM18840             | NSYSM18840T            | NSYSPF8100                         | NSYSPS4100        | NSYSPF8200                         | NSYSPS4200        |            |
| 500             |       |       | 1              | NSYSM18850P         | NSYSM18850             | NSYSM18850T            | NSYSPF8100                         | NSYSPS5100        | NSYSPF8200                         | NSYSPS5200        |            |
| 600             |       | 1     | NSYSM18860P    | NSYSM18860          | -                      | NSYSPF8100             | NSYSPS6100                         | NSYSPF8200        | NSYSPS6200                         |                   |            |
|                 |       | 400   | 1              | NSYSM181040P        | NSYSM181040            | -                      | NSYSPF10100                        | NSYSPS4100        | NSYSPF10200                        | NSYSPS4200        |            |
|                 |       |       | 2              | NSYSM1810402DP      | NSYSM1810402D          | -                      | NSYSPF10100                        | NSYSPS4100        | NSYSPF10200                        | NSYSPS4200        |            |
| 2               |       |       | NSYSM1810502DP | NSYSM1810502D       | -                      | NSYSPF10100            | NSYSPS5100                         | NSYSPF10200       | NSYSPS5200                         |                   |            |
| 1200            |       | 400   | 2              | NSYSM1812402DP      | NSYSM1812402D          | -                      | NSYSPF12100                        | NSYSPS4100        | NSYSPF12200                        | NSYSPS4200        |            |
|                 |       | 500   | 2              | NSYSM1812502DP      | NSYSM1812502D          | -                      | NSYSPF12100                        | NSYSPS5100        | NSYSPF12200                        | NSYSPS5200        |            |
| 1600            |       | 400   | 2              | NSYSM1816402DP      | NSYSM1816402D          | -                      | NSYSPF16100                        | NSYSPS4100        | NSYSPF16200                        | NSYSPS4200        |            |
|                 |       | 500   | 2              | NSYSM1816502DP      | NSYSM1816502D          | -                      | NSYSPF16100                        | NSYSPS5100        | NSYSPF16200                        | NSYSPS5200        |            |
| 2000            |       | 600   | 300            | 1                   | NSYSM20630P            | NSYSM20630             | -                                  | NSYSPF6100        | NSYSPS3100                         | NSYSPF6200        | NSYSPS3200 |
|                 |       |       | 400            | 1                   | NSYSM20640P            | NSYSM20640             | NSYSM20640T                        | NSYSPF6100        | NSYSPS4100                         | NSYSPF6200        | NSYSPS4200 |
|                 |       |       | 500            | 1                   | NSYSM20650P            | NSYSM20650             | -                                  | NSYSPF6100        | NSYSPS5100                         | NSYSPF6200        | NSYSPS5200 |
|                 |       | 800   | 300            | 1                   | NSYSM20830P            | NSYSM20830             | NSYSM20830T                        | NSYSPF8100        | NSYSPS3100                         | NSYSPF8200        | NSYSPS3200 |
|                 | 400   |       | 1              | NSYSM20840P         | NSYSM20840             | NSYSM20840T            | NSYSPF8100                         | NSYSPS4100        | NSYSPF8200                         | NSYSPS4200        |            |
|                 | 500   |       | 1              | NSYSM20850P         | NSYSM20850             | NSYSM20850T            | NSYSPF8100                         | NSYSPS5100        | NSYSPF8200                         | NSYSPS5200        |            |
|                 | 600   | 1     | NSYSM20860P    | NSYSM20860          | NSYSM20860T            | NSYSPF8100             | NSYSPS6100                         | NSYSPF8200        | NSYSPS6200                         |                   |            |
|                 |       | 400   | 2              | NSYSM2010402DP      | NSYSM2010402D          | -                      | NSYSPF10100                        | NSYSPS4100        | NSYSPF10200                        | NSYSPS4200        |            |
|                 |       |       | 2              | NSYSM2010502DP      | NSYSM2010502D          | -                      | NSYSPF10100                        | NSYSPS5100        | NSYSPF10200                        | NSYSPS5200        |            |
|                 | 1200  | 400   | 2              | NSYSM2012402DP      | NSYSM2012402D          | -                      | NSYSPF12100                        | NSYSPS4100        | NSYSPF12200                        | NSYSPS4200        |            |
|                 |       | 500   | 2              | NSYSM2012502DP      | NSYSM2012502D          | -                      | NSYSPF12100                        | NSYSPS5100        | NSYSPF12200                        | NSYSPS5200        |            |
|                 | 600   | 2     | NSYSM2012602DP | NSYSM2012602D       | -                      | NSYSPF12100            | NSYSPS6100                         | NSYSPF12200       | NSYSPS6200                         |                   |            |
|                 |       | 400   | 2              | NSYSM2016402DP      | NSYSM2016402D          | -                      | NSYSPF16100                        | NSYSPS4100        | NSYSPF16200                        | NSYSPS4200        |            |
|                 | 1600  | 400   | 2              | NSYSM2016502DP      | NSYSM2016502D          | -                      | NSYSPF16100                        | NSYSPS5100        | NSYSPF16200                        | NSYSPS5200        |            |
|                 |       | 600   | 2              | NSYSM2016602DP      | NSYSM2016602D          | -                      | NSYSPF16100                        | NSYSPS6100        | NSYSPF16200                        | NSYSPS6200        |            |

**SM**

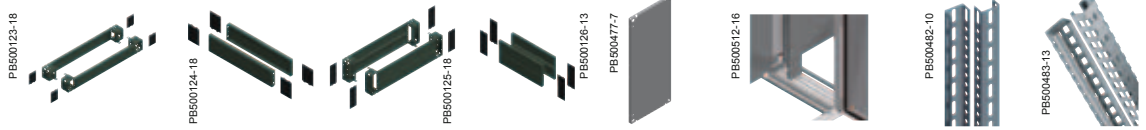


| Characteristics |       |       |              | Inner door | Mounting plate | Vertical uprights |           | Off-centre 19" swing rack | Centred 19" swing rack |           |   |
|-----------------|-------|-------|--------------|------------|----------------|-------------------|-----------|---------------------------|------------------------|-----------|---|
| Dimensions (mm) |       |       | No. of doors |            |                | Standard          | Technical |                           |                        |           |   |
| H (A)           | W (B) | D (C) |              |            |                |                   |           |                           |                        |           |   |
| 1200            | 800   | 300   | 1            | -          | NSYMP128       | -                 | NSYTVR12  | -                         | -                      |           |   |
|                 | 1000  | 300   | 2            | -          | NSYMP1210      | -                 | NSYTVR12  | -                         | -                      |           |   |
|                 | 1200  | 400   | 2            | -          | NSYMP1212      | -                 | NSYTVR12  | -                         | -                      |           |   |
| 1400            | 600   | 300   | 1            | -          | NSYMP146       | -                 | NSYTVR14  | -                         | -                      |           |   |
|                 |       | 400   | 1            | -          | NSYMP146       | -                 | NSYTVR14  | -                         | -                      |           |   |
|                 | 800   | 300   | 1            | -          | NSYMP148       | -                 | NSYTVR14  | NSYRSW27                  | NSYRSWC27              |           |   |
|                 |       | 400   | 1            | -          | NSYMP148       | -                 | NSYTVR14  | NSYRSW27                  | NSYRSWC27              |           |   |
|                 | 1000  | 400   | 2            | -          | NSYMP1410      | -                 | NSYTVR14  | -                         | -                      |           |   |
|                 | 1200  | 400   | 2            | -          | NSYMP1412      | -                 | NSYTVR14  | -                         | -                      |           |   |
| 1600            | 600   | 300   | 1            | -          | NSYID166       | -                 | NSYTVR16  | -                         | -                      |           |   |
|                 |       | 400   | 1            | -          | NSYID166       | NSYMP166          | -         | NSYTVR16                  | -                      |           |   |
|                 | 800   | 300   | 1            | -          | NSYID168       | NSYMP168          | -         | NSYTVR16                  | NSYRSW31               | NSYRSWC31 |   |
|                 |       | 400   | 1            | -          | NSYID168       | NSYMP168          | -         | NSYTVR16                  | NSYRSW31               | NSYRSWC31 |   |
|                 | 1000  | 300   | 2            | -          | NSYMP1610      | -                 | NSYTVR16  | -                         | -                      |           |   |
|                 |       | 400   | 2            | -          | NSYMP1610      | -                 | NSYTVR16  | -                         | -                      |           |   |
|                 | 1200  | 300   | 2            | -          | NSYMP1612      | -                 | NSYTVR16  | -                         | -                      |           |   |
|                 |       | 400   | 2            | -          | NSYMP1612      | -                 | NSYTVR16  | -                         | -                      |           |   |
|                 | 1800  | 600   | 300          | 1          | -              | NSYID186          | NSYMP186  | NSYVR18                   | NSYTVR18               | -         | - |
|                 |       |       | 400          | 1          | -              | NSYID186          | NSYMP186  | NSYVR18                   | NSYTVR18               | -         | - |
| 500             |       |       | 1            | -          | NSYID186       | NSYMP186          | NSYVR18   | NSYTVR18                  | -                      | -         |   |
| 800             |       | 300   | 1            | -          | NSYID188       | NSYMP188          | NSYVR18   | NSYTVR18                  | NSYRSW36               | NSYRSWC36 |   |
|                 |       | 400   | 1            | -          | NSYID188       | NSYMP188          | NSYVR18   | NSYTVR18                  | NSYRSW36               | NSYRSWC36 |   |
|                 |       | 500   | 1            | -          | NSYID188       | NSYMP188          | NSYVR18   | NSYTVR18                  | NSYRSW36               | NSYRSWC36 |   |
|                 |       | 600   | 1            | -          | NSYID188       | NSYMP188          | NSYVR18   | NSYTVR18                  | NSYRSW36               | NSYRSWC36 |   |
| 1000            |       | 400   | 1            | -          | NSYID1810      | NSYMP1810         | NSYVR18   | NSYTVR18                  | -                      | -         |   |
|                 |       | 400   | 2            | -          | NSYID1810      | NSYMP1810         | NSYVR18   | NSYTVR18                  | -                      | -         |   |
|                 |       | 500   | 2            | -          | NSYID1810      | NSYMP1810         | NSYVR18   | NSYTVR18                  | -                      | -         |   |
| 1200            |       | 400   | 2            | -          | NSYMP1812      | NSYVR18           | NSYTVR18  | -                         | -                      |           |   |
|                 |       | 500   | 2            | -          | NSYMP1812      | NSYVR18           | NSYTVR18  | -                         | -                      |           |   |
| 1600            |       | 400   | 2            | -          | NSYMP1816      | NSYVR18           | NSYTVR18  | -                         | -                      |           |   |
|                 |       | 500   | 2            | -          | NSYMP1816      | NSYVR18           | NSYTVR18  | -                         | -                      |           |   |
| 2000            |       | 600   | 300          | 1          | -              | NSYID206          | NSYMP206  | NSYVR20                   | NSYTVR20               | -         | - |
|                 |       |       | 400          | 1          | -              | NSYID206          | NSYMP206  | NSYVR20                   | NSYTVR20               | -         | - |
|                 | 500   |       | 1            | -          | NSYID206       | NSYMP206          | NSYVR20   | NSYTVR20                  | -                      | -         |   |
|                 | 800   | 300   | 1            | -          | NSYID208       | NSYMP208          | NSYVR20   | NSYTVR20                  | NSYRSW40               | NSYRSWC40 |   |
|                 |       | 400   | 1            | -          | NSYID208       | NSYMP208          | NSYVR20   | NSYTVR20                  | NSYRSW40               | NSYRSWC40 |   |
|                 |       | 500   | 1            | -          | NSYID208       | NSYMP208          | NSYVR20   | NSYTVR20                  | NSYRSW40               | NSYRSWC40 |   |
|                 |       | 600   | 1            | -          | NSYID208       | NSYMP208          | NSYVR20   | NSYTVR20                  | NSYRSW40               | NSYRSWC40 |   |
|                 | 1000  | 400   | 2            | -          | NSYID2010      | NSYMP2010         | NSYVR20   | NSYTVR20                  | -                      | -         |   |
|                 |       | 500   | 2            | -          | NSYID2010      | NSYMP2010         | NSYVR20   | NSYTVR20                  | -                      | -         |   |
|                 | 1200  | 400   | 2            | -          | NSYMP2012      | NSYVR20           | NSYTVR20  | -                         | -                      |           |   |
|                 |       | 500   | 2            | -          | NSYMP2012      | NSYVR20           | NSYTVR20  | -                         | -                      |           |   |
|                 |       | 600   | 2            | -          | NSYMP2012      | NSYVR20           | NSYTVR20  | -                         | -                      |           |   |
|                 | 1600  | 400   | 2            | -          | NSYMP2016      | NSYVR20           | NSYTVR20  | -                         | -                      |           |   |
|                 |       | 500   | 2            | -          | NSYMP2016      | NSYVR20           | NSYTVR20  | -                         | -                      |           |   |
|                 | 600   | 2     | -            | NSYMP2016  | NSYVR20        | NSYTVR20          | -         | -                         |                        |           |   |



| Nominal dimensions (mm) |           |           | No. of doors   | Door                |                        |                        | Side panels | Cable-entry plate |           |           |          |
|-------------------------|-----------|-----------|----------------|---------------------|------------------------|------------------------|-------------|-------------------|-----------|-----------|----------|
| Height (A)              | Width (B) | Depth (C) |                | Plain               | Transparent            | Without mounting plate |             | Plain             | 1 entry   | 2 entries |          |
|                         |           |           |                | With mounting plate | Without mounting plate | Without mounting plate |             |                   |           |           |          |
| 1200                    | 600       | 400       | 1              | NSYSF12640P         | NSYSF12640             | -                      | NSY2SP124   | NSYEC64           | NSYEC641  | -         |          |
|                         |           | 600       | 1              | NSYSF12660P         | NSYSF12660             | -                      | NSY2SP126   | NSYEC66           | NSYEC661  | NSYEC662  |          |
|                         | 800       | 400       | 1              | NSYSF12840P         | NSYSF12840             | -                      | NSY2SP124   | NSYEC84           | NSYEC841  | -         |          |
| 1400                    | 600       | 600       | 1              | NSYSF12860P         | NSYSF12860             | -                      | NSY2SP126   | NSYEC86           | NSYEC861  | NSYEC862  |          |
|                         |           | 400       | 1              | NSYSF14640P         | NSYSF14640             | -                      | NSY2SP144   | NSYEC64           | NSYEC641  | -         |          |
|                         | 800       | 400       | 1              | NSYSF14840P         | NSYSF14840             | -                      | NSY2SP144   | NSYEC84           | NSYEC841  | -         |          |
| 1600                    | 600       | 600       | 1              | NSYSF16660P         | NSYSF16660             | -                      | NSY2SP166   | NSYEC66           | NSYEC661  | NSYEC662  |          |
|                         |           | 800       | 1              | NSYSF16680P         | NSYSF16680             | -                      | NSY2SP168   | NSYEC68           | NSYEC681  | NSYEC682  |          |
|                         | 800       | 600       | 1              | NSYSF16860P         | NSYSF16860             | -                      | NSY2SP166   | NSYEC86           | NSYEC861  | NSYEC862  |          |
| 1800                    | 400       | 400       | 1              | -                   | NSYSF18440             | -                      | NSY2SP184   | NSYEC44           | NSYEC441  | -         |          |
|                         |           | 500       | 1              | -                   | NSYSF18450             | -                      | NSY2SP185   | NSYEC45           | NSYEC451  | -         |          |
|                         |           | 600       | 1              | -                   | NSYSF18460             | -                      | NSY2SP186   | -                 | NSYEC461  | -         |          |
|                         | 600       | 400       | 1              | NSYSF18640P         | NSYSF18640             | NSYSF18640T            | NSY2SP184   | NSYEC64           | NSYEC641  | -         |          |
|                         |           | 500       | 1              | NSYSF18650P         | NSYSF18650             | NSYSF18650T            | NSY2SP185   | NSYEC65           | NSYEC651  | -         |          |
|                         |           | 600       | 1              | NSYSF18660P         | NSYSF18660             | -                      | NSY2SP186   | NSYEC66           | NSYEC661  | NSYEC662  |          |
|                         | 800       | 400       | 1              | -                   | -                      | NSYSF18680T            | NSY2SP188   | NSYEC68           | NSYEC681  | NSYEC682  |          |
|                         |           | 400       | 1              | NSYSF18840P         | NSYSF18840             | NSYSF18840T            | NSY2SP184   | NSYEC84           | NSYEC841  | -         |          |
|                         |           | 500       | 1              | NSYSF18850P         | NSYSF18850             | NSYSF18850T            | NSY2SP185   | NSYEC85           | NSYEC851  | -         |          |
|                         | 1000      | 600       | 600            | 1                   | NSYSF18860P            | NSYSF18860             | NSYSF18860T | NSY2SP186         | NSYEC86   | NSYEC861  | NSYEC862 |
|                         |           |           | 2              | NSYSF188602DP       | NSYSF188602D           | -                      | NSY2SP186   | NSYEC86           | NSYEC861  | NSYEC862  |          |
|                         |           |           | 400            | 1                   | NSYSF181040P           | NSYSF181040            | -           | NSY2SP184         | NSYEC104  | NSYEC1041 | -        |
| 400                     |           | 400       | 2              | NSYSF1810402DP      | NSYSF1810402D          | -                      | NSY2SP184   | NSYEC104          | NSYEC1041 | -         |          |
|                         |           | 500       | 1              | NSYSF181050P        | NSYSF181050            | -                      | NSY2SP185   | NSYEC105          | NSYEC1051 | -         |          |
|                         |           | 600       | 1              | NSYSF181060P        | NSYSF181060            | -                      | NSY2SP186   | NSYEC106          | NSYEC1061 | NSYEC1062 |          |
| 1200                    | 600       | 2         | NSYSF1810602DP | NSYSF1810602D       | -                      | NSY2SP186              | NSYEC106    | NSYEC1061         | NSYEC1062 |           |          |
|                         | 400       | 2         | NSYSF1812402DP | NSYSF1812402D       | -                      | NSY2SP184              | NSYEC124    | NSYEC1241         | -         |           |          |
|                         | 500       | 2         | NSYSF1812502DP | NSYSF1812502D       | -                      | NSY2SP185              | NSYEC125    | NSYEC1251         | -         |           |          |
| 2000                    | 300       | 600       | 2              | NSYSF1812602DP      | NSYSF1812602D          | -                      | NSY2SP186   | NSYEC126          | NSYEC1261 | NSYEC1262 |          |
|                         |           | 500       | 1              | -                   | NSYSF20350             | -                      | NSY2SP205   | NSYEC35           | NSYEC351  | -         |          |
|                         |           | 600       | 1              | -                   | NSYSF20360             | -                      | NSY2SP206   | NSYEC36           | NSYEC361  | -         |          |
|                         | 400       | 800       | 1              | -                   | NSYSF20380             | -                      | NSY2SP208   | -                 | NSYEC381  | -         |          |
|                         |           | 400       | 1              | -                   | NSYSF20440             | -                      | NSY2SP204   | NSYEC44           | NSYEC441  | -         |          |
|                         |           | 500       | 1              | -                   | NSYSF20450             | -                      | NSY2SP205   | NSYEC45           | NSYEC451  | -         |          |
|                         | 600       | 600       | 1              | -                   | NSYSF20460             | -                      | NSY2SP206   | NSYEC64           | NSYEC461  | -         |          |
|                         |           | 800       | 1              | -                   | NSYSF20480             | -                      | NSY2SP208   | NSYEC84           | NSYEC481  | -         |          |
|                         |           | 400       | 1              | NSYSF20640P         | NSYSF20640             | NSYSF20640T            | NSY2SP204   | NSYEC64           | NSYEC641  | -         |          |
|                         |           | 500       | 1              | NSYSF20650P         | NSYSF20650             | NSYSF20650T            | NSY2SP205   | NSYEC65           | NSYEC651  | -         |          |
|                         |           | 600       | 1              | NSYSF20660P         | NSYSF20660             | -                      | NSY2SP206   | NSYEC66           | NSYEC661  | NSYEC662  |          |
|                         |           | 800       | 1              | NSYSF20680P         | NSYSF20680             | -                      | NSY2SP208   | NSYEC68           | NSYEC681  | NSYEC682  |          |
|                         | 800       | 400       | 1              | NSYSF20840P         | NSYSF20840             | NSYSF20840T            | NSY2SP204   | NSYEC84           | NSYEC841  | -         |          |
|                         |           | 500       | 1              | NSYSF20850P         | NSYSF20850             | NSYSF20850T            | NSY2SP205   | NSYEC85           | NSYEC851  | -         |          |
|                         |           | 600       | 1              | NSYSF20860P         | NSYSF20860             | NSYSF20860T            | NSY2SP206   | NSYEC86           | NSYEC861  | NSYEC862  |          |
|                         |           | 600       | 2              | NSYSF208602DP       | NSYSF208602D           | -                      | NSY2SP206   | NSYEC86           | NSYEC861  | NSYEC862  |          |
|                         |           | 800       | 1              | NSYSF20880P         | NSYSF20880             | NSYSF20880T            | NSY2SP208   | NSYEC88           | NSYEC881  | NSYEC882  |          |
|                         |           | 400       | 1              | NSYSF201040P        | NSYSF201040            | NSYSF201040T           | NSY2SP204   | NSYEC104          | NSYEC1041 | -         |          |
| 1000                    | 400       | 2         | NSYSF2010402DP | NSYSF2010402D       | -                      | NSY2SP204              | NSYEC104    | NSYEC1041         | -         |           |          |
|                         | 500       | 1         | NSYSF201050P   | NSYSF201050         | NSYSF201050T           | NSY2SP205              | NSYEC105    | NSYEC1051         | -         |           |          |
|                         | 500       | 2         | NSYSF2010502DP | NSYSF2010502D       | -                      | NSY2SP205              | NSYEC105    | NSYEC1051         | -         |           |          |
|                         | 600       | 1         | NSYSF201060P   | NSYSF201060         | NSYSF201060T           | NSY2SP206              | NSYEC106    | NSYEC1061         | NSYEC1062 |           |          |
|                         | 600       | 2         | NSYSF2010602DP | NSYSF2010602D       | -                      | NSY2SP206              | NSYEC106    | NSYEC1061         | NSYEC1062 |           |          |
|                         | 800       | 1         | NSYSF201080P   | NSYSF201080         | -                      | NSY2SP208              | NSYEC108    | NSYEC1081         | NSYEC1082 |           |          |
| 1200                    | 400       | 2         | NSYSF2012402DP | NSYSF2012402D       | -                      | NSY2SP204              | NSYEC124    | NSYEC1241         | -         |           |          |
|                         | 500       | 2         | NSYSF2012502DP | NSYSF2012502D       | -                      | NSY2SP205              | NSYEC125    | NSYEC1251         | -         |           |          |
|                         | 600       | 2         | NSYSF2012602DP | NSYSF2012602D       | -                      | NSY2SP206              | NSYEC126    | NSYEC1261         | NSYEC1262 |           |          |
|                         | 800       | 2         | NSYSF2012802DP | NSYSF2012802D       | -                      | NSY2SP208              | NSYEC128    | NSYEC1281         | NSYEC1282 |           |          |
|                         | 1600      | 400       | 2              | NSYSF2016402DP      | NSYSF2016402D          | -                      | NSY2SP204   | NSYEC164          | NSYEC1641 | -         |          |
|                         |           | 500       | 2              | NSYSF2016502DP      | NSYSF2016502D          | -                      | NSY2SP205   | NSYEC165          | NSYEC1651 | -         |          |
| 2200                    | 400       | 600       | 2              | NSYSF2016602DP      | NSYSF2016602D          | -                      | NSY2SP206   | NSYEC166          | NSYEC1661 | NSYEC1662 |          |
|                         |           | 600       | 1              | -                   | NSYSF22460             | -                      | NSY2SP226   | -                 | NSYEC461  | -         |          |
|                         | 600       | 600       | 1              | NSYSF22660P         | NSYSF22660             | -                      | NSY2SP226   | NSYEC66           | NSYEC661  | NSYEC662  |          |
|                         |           | 800       | 1              | NSYSF22680P         | NSYSF22680             | -                      | NSY2SP228   | NSYEC68           | NSYEC681  | NSYEC682  |          |
|                         |           | 800       | 1              | NSYSF22860P         | NSYSF22860             | -                      | NSY2SP226   | NSYEC86           | NSYEC861  | NSYEC862  |          |
|                         | 800       | 600       | 1              | NSYSF22880P         | NSYSF22880             | NSYSF22880T            | NSY2SP228   | NSYEC88           | NSYEC881  | NSYEC882  |          |
|                         |           | 800       | 1              | NSYSF221060P        | NSYSF221060            | -                      | NSY2SP226   | NSYEC106          | NSYEC1061 | NSYEC1062 |          |
|                         | 1000      | 600       | 2              | NSYSF2212602DP      | NSYSF2212602D          | -                      | NSY2SP226   | NSYEC126          | NSYEC1261 | NSYEC1262 |          |
|                         |           | 800       | 2              | NSYSF2212802DP      | NSYSF2212802D          | -                      | NSY2SP228   | NSYEC128          | NSYEC1281 | NSYEC1282 |          |

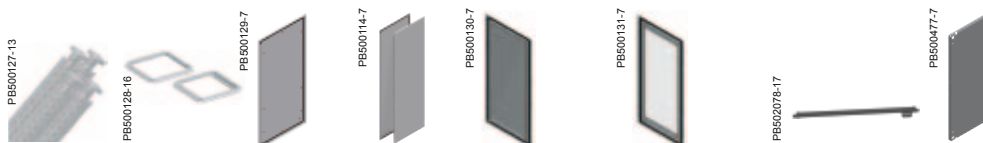




| Nominal dimensions (mm) |           |              | Plinth                             |                   |                                    |                   | Mounting plate | Intermediate mounting plate | Vertical uprights |           |
|-------------------------|-----------|--------------|------------------------------------|-------------------|------------------------------------|-------------------|----------------|-----------------------------|-------------------|-----------|
| Height (A)              | Width (B) | Depth (C)    | Height 100 mm                      |                   | Height 200 mm                      |                   |                |                             | Standard          | Technical |
|                         |           |              | Front kit (corners + front panels) | Side panels, 2 u. | Front kit (corners + front panels) | Side panels, 4 u. |                |                             |                   |           |
| 1200                    | 600       | 400          | NSYSPPF6100                        | NSYSPPS4100       | NSYSPPF6200                        | NSYSPPS4200       | NSYMP126       | NSYSIMP12                   | -                 | NSYTVR12  |
|                         |           | 600          | NSYSPPF6100                        | NSYSPPS6100       | NSYSPPF6200                        | NSYSPPS6200       | NSYMP126       | NSYSIMP12                   | -                 | NSYTVR12  |
|                         | 800       | 400          | NSYSPPF8100                        | NSYSPPS4100       | NSYSPPF8200                        | NSYSPPS4200       | NSYMP128       | NSYSIMP12                   | -                 | NSYTVR12  |
|                         |           | 600          | NSYSPPF8100                        | NSYSPPS6100       | NSYSPPF8200                        | NSYSPPS6200       | NSYMP128       | NSYSIMP12                   | -                 | NSYTVR12  |
| 1400                    | 600       | 400          | NSYSPPF6100                        | NSYSPPS4100       | NSYSPPF6200                        | NSYSPPS4200       | NSYMP146       | NSYSIMP14                   | -                 | NSYTVR14  |
|                         | 800       | 400          | NSYSPPF8100                        | NSYSPPS4100       | NSYSPPF8200                        | NSYSPPS4200       | NSYMP148       | NSYSIMP14                   | -                 | NSYTVR14  |
| 1600                    | 600       | 600          | NSYSPPF6100                        | NSYSPPS6100       | NSYSPPF6200                        | NSYSPPS6200       | NSYMP166       | NSYSIMP16                   | -                 | NSYTVR16  |
|                         |           | 800          | NSYSPPF6100                        | NSYSPPS8100       | NSYSPPF6200                        | NSYSPPS8200       | NSYMP166       | NSYSIMP16                   | -                 | NSYTVR16  |
|                         | 800       | 600          | NSYSPPF8100                        | NSYSPPS6100       | NSYSPPF8200                        | NSYSPPS6200       | NSYMP168       | NSYSIMP16                   | -                 | NSYTVR16  |
|                         |           | 800          | NSYSPPF8100                        | NSYSPPS8100       | NSYSPPF8200                        | NSYSPPS8200       | NSYMP168       | NSYSIMP16                   | -                 | NSYTVR16  |
| 1800                    | 400       | 400          | NSYSPPF4100                        | NSYSPPS4100       | NSYSPPF4200                        | NSYSPPS4200       | -              | -                           | NSYVVR18          | NSYTVR18  |
|                         |           | 500          | NSYSPPF4100                        | NSYSPPS5100       | NSYSPPF4200                        | NSYSPPS5200       | -              | -                           | NSYVVR18          | NSYTVR18  |
|                         |           | 600          | NSYSPPF4100                        | NSYSPPS6100       | NSYSPPF4200                        | NSYSPPS6200       | -              | -                           | NSYVVR18          | NSYTVR18  |
|                         |           | 600          | NSYSPPF4100                        | NSYSPPS8100       | NSYSPPF4200                        | NSYSPPS8200       | -              | -                           | NSYVVR18          | NSYTVR18  |
|                         | 600       | 400          | NSYSPPF6100                        | NSYSPPS4100       | NSYSPPF6200                        | NSYSPPS4200       | NSYMP186       | NSYSIMP18                   | NSYVVR18          | NSYTVR18  |
|                         |           | 500          | NSYSPPF6100                        | NSYSPPS5100       | NSYSPPF6200                        | NSYSPPS5200       | NSYMP186       | NSYSIMP18                   | NSYVVR18          | NSYTVR18  |
|                         |           | 600          | NSYSPPF6100                        | NSYSPPS6100       | NSYSPPF6200                        | NSYSPPS6200       | NSYMP186       | NSYSIMP18                   | NSYVVR18          | NSYTVR18  |
|                         |           | 800          | NSYSPPF6100                        | NSYSPPS8100       | NSYSPPF6200                        | NSYSPPS8200       | NSYMP186       | NSYSIMP18                   | NSYVVR18          | NSYTVR18  |
|                         | 800       | 400          | NSYSPPF8100                        | NSYSPPS4100       | NSYSPPF8200                        | NSYSPPS4200       | NSYMP188       | NSYSIMP18                   | NSYVVR18          | NSYTVR18  |
|                         |           | 500          | NSYSPPF8100                        | NSYSPPS5100       | NSYSPPF8200                        | NSYSPPS5200       | NSYMP188       | NSYSIMP18                   | NSYVVR18          | NSYTVR18  |
|                         |           | 600          | NSYSPPF8100                        | NSYSPPS6100       | NSYSPPF8200                        | NSYSPPS6200       | NSYMP188       | NSYSIMP18                   | NSYVVR18          | NSYTVR18  |
|                         |           | 600          | NSYSPPF8100                        | NSYSPPS8100       | NSYSPPF8200                        | NSYSPPS8200       | NSYMP188       | NSYSIMP18                   | NSYVVR18          | NSYTVR18  |
| 1000                    | 400       | NSYSPPF10100 | NSYSPPS4100                        | NSYSPPF10200      | NSYSPPS4200                        | NSYMP1810         | NSYSIMP18      | NSYVVR18                    | NSYTVR18          |           |
|                         | 400       | NSYSPPF10100 | NSYSPPS4100                        | NSYSPPF10200      | NSYSPPS4200                        | NSYMP1810         | NSYSIMP18      | NSYVVR18                    | NSYTVR18          |           |
|                         | 500       | NSYSPPF10100 | NSYSPPS5100                        | NSYSPPF10200      | NSYSPPS5200                        | NSYMP1810         | NSYSIMP18      | NSYVVR18                    | NSYTVR18          |           |
|                         | 600       | NSYSPPF10100 | NSYSPPS6100                        | NSYSPPF10200      | NSYSPPS6200                        | NSYMP1810         | NSYSIMP18      | NSYVVR18                    | NSYTVR18          |           |
| 1200                    | 400       | NSYSPPF10100 | NSYSPPS6100                        | NSYSPPF10200      | NSYSPPS6200                        | NSYMP1810         | NSYSIMP18      | NSYVVR18                    | NSYTVR18          |           |
|                         | 400       | NSYSPPF12100 | NSYSPPS4100                        | NSYSPPF12200      | NSYSPPS4200                        | NSYMP1812         | NSYSIMP18      | NSYVVR18                    | NSYTVR18          |           |
|                         | 500       | NSYSPPF12100 | NSYSPPS5100                        | NSYSPPF12200      | NSYSPPS5200                        | NSYMP1812         | NSYSIMP18      | NSYVVR18                    | NSYTVR18          |           |
|                         | 600       | NSYSPPF12100 | NSYSPPS6100                        | NSYSPPF12200      | NSYSPPS6200                        | NSYMP1812         | NSYSIMP18      | NSYVVR18                    | NSYTVR18          |           |
| 2000                    | 300       | 500          | NSYSPPF3100                        | NSYSPPS5100       | NSYSPPF3200                        | NSYSPPS5200       | -              | -                           | NSYVVR20          | NSYTVR20  |
|                         |           | 600          | NSYSPPF3100                        | NSYSPPS6100       | NSYSPPF3200                        | NSYSPPS6200       | -              | -                           | NSYVVR20          | NSYTVR20  |
|                         |           | 800          | NSYSPPF3100                        | NSYSPPS8100       | NSYSPPF3200                        | NSYSPPS8200       | -              | -                           | NSYVVR20          | NSYTVR20  |
|                         |           | 400          | NSYSPPF4100                        | NSYSPPS4100       | NSYSPPF4200                        | NSYSPPS4200       | -              | -                           | NSYVVR20          | NSYTVR20  |
|                         | 400       | 500          | NSYSPPF4100                        | NSYSPPS5100       | NSYSPPF4200                        | NSYSPPS5200       | -              | -                           | NSYVVR20          | NSYTVR20  |
|                         |           | 600          | NSYSPPF4100                        | NSYSPPS6100       | NSYSPPF4200                        | NSYSPPS6200       | -              | -                           | NSYVVR20          | NSYTVR20  |
|                         |           | 800          | NSYSPPF4100                        | NSYSPPS8100       | NSYSPPF4200                        | NSYSPPS8200       | -              | -                           | NSYVVR20          | NSYTVR20  |
|                         |           | 600          | 400                                | NSYSPPF6100       | NSYSPPS4100                        | NSYSPPF6200       | NSYSPPS4200    | NSYMP206                    | NSYSIMP20         | NSYVVR20  |
|                         | 600       | 500          | NSYSPPF6100                        | NSYSPPS5100       | NSYSPPF6200                        | NSYSPPS5200       | NSYMP206       | NSYSIMP20                   | NSYVVR20          | NSYTVR20  |
|                         |           | 600          | NSYSPPF6100                        | NSYSPPS6100       | NSYSPPF6200                        | NSYSPPS6200       | NSYMP206       | NSYSIMP20                   | NSYVVR20          | NSYTVR20  |
|                         |           | 800          | NSYSPPF6100                        | NSYSPPS8100       | NSYSPPF6200                        | NSYSPPS8200       | NSYMP206       | NSYSIMP20                   | NSYVVR20          | NSYTVR20  |
|                         |           | 400          | NSYSPPF8100                        | NSYSPPS4100       | NSYSPPF8200                        | NSYSPPS4200       | NSYMP208       | NSYSIMP20                   | NSYVVR20          | NSYTVR20  |
| 500                     |           | NSYSPPF8100  | NSYSPPS5100                        | NSYSPPF8200       | NSYSPPS5200                        | NSYMP208          | NSYSIMP20      | NSYVVR20                    | NSYTVR20          |           |
| 600                     |           | NSYSPPF8100  | NSYSPPS6100                        | NSYSPPF8200       | NSYSPPS6200                        | NSYMP208          | NSYSIMP20      | NSYVVR20                    | NSYTVR20          |           |
| 800                     |           | NSYSPPF8100  | NSYSPPS8100                        | NSYSPPF8200       | NSYSPPS8200                        | NSYMP208          | NSYSIMP20      | NSYVVR20                    | NSYTVR20          |           |
| 1000                    |           | 400          | NSYSPPF10100                       | NSYSPPS4100       | NSYSPPF10200                       | NSYSPPS4200       | NSYMP2010      | NSYSIMP20                   | NSYVVR20          | NSYTVR20  |
| 1000                    | 400       | NSYSPPF10100 | NSYSPPS4100                        | NSYSPPF10200      | NSYSPPS4200                        | NSYMP2010         | NSYSIMP20      | NSYVVR20                    | NSYTVR20          |           |
|                         | 500       | NSYSPPF10100 | NSYSPPS5100                        | NSYSPPF10200      | NSYSPPS5200                        | NSYMP2010         | NSYSIMP20      | NSYVVR20                    | NSYTVR20          |           |
|                         | 500       | NSYSPPF10100 | NSYSPPS5100                        | NSYSPPF10200      | NSYSPPS5200                        | NSYMP2010         | NSYSIMP20      | NSYVVR20                    | NSYTVR20          |           |
|                         | 600       | NSYSPPF10100 | NSYSPPS6100                        | NSYSPPF10200      | NSYSPPS6200                        | NSYMP2010         | NSYSIMP20      | NSYVVR20                    | NSYTVR20          |           |
|                         | 600       | NSYSPPF10100 | NSYSPPS6100                        | NSYSPPF10200      | NSYSPPS6200                        | NSYMP2010         | NSYSIMP20      | NSYVVR20                    | NSYTVR20          |           |
|                         | 800       | NSYSPPF10100 | NSYSPPS8100                        | NSYSPPF10200      | NSYSPPS8200                        | NSYMP2010         | NSYSIMP20      | NSYVVR20                    | NSYTVR20          |           |
|                         | 1200      | 400          | NSYSPPF12100                       | NSYSPPS4100       | NSYSPPF12200                       | NSYSPPS4200       | NSYMP2012      | NSYSIMP20                   | NSYVVR20          | NSYTVR20  |
|                         | 500       | NSYSPPF12100 | NSYSPPS5100                        | NSYSPPF12200      | NSYSPPS5200                        | NSYMP2012         | NSYSIMP20      | NSYVVR20                    | NSYTVR20          |           |
| 1600                    | 600       | NSYSPPF12100 | NSYSPPS6100                        | NSYSPPF12200      | NSYSPPS6200                        | NSYMP2012         | NSYSIMP20      | NSYVVR20                    | NSYTVR20          |           |
|                         | 800       | NSYSPPF12100 | NSYSPPS8100                        | NSYSPPF12200      | NSYSPPS8200                        | NSYMP2012         | NSYSIMP20      | NSYVVR20                    | NSYTVR20          |           |
|                         | 400       | NSYSPPF16100 | NSYSPPS4100                        | NSYSPPF16200      | NSYSPPS4200                        | NSYMP2016         | NSYSIMP20      | NSYVVR20                    | NSYTVR20          |           |
|                         | 500       | NSYSPPF16100 | NSYSPPS5100                        | NSYSPPF16200      | NSYSPPS5200                        | NSYMP2016         | NSYSIMP20      | NSYVVR20                    | NSYTVR20          |           |
| 2200                    | 400       | 600          | NSYSPPF4100                        | NSYSPPS6100       | NSYSPPF4200                        | NSYSPPS6200       | -              | -                           | NSYVVR22          | NSYTVR22  |
|                         |           | 600          | NSYSPPF6100                        | NSYSPPS6100       | NSYSPPF6200                        | NSYSPPS6200       | NSYMP226       | NSYSIMP22                   | NSYVVR22          | NSYTVR22  |
|                         | 600       | 800          | NSYSPPF6100                        | NSYSPPS8100       | NSYSPPF6200                        | NSYSPPS8200       | NSYMP226       | NSYSIMP22                   | NSYVVR22          | NSYTVR22  |
|                         |           | 800          | NSYSPPF8100                        | NSYSPPS6100       | NSYSPPF8200                        | NSYSPPS6200       | NSYMP228       | NSYSIMP22                   | NSYVVR22          | NSYTVR22  |
|                         | 800       | 800          | NSYSPPF8100                        | NSYSPPS8100       | NSYSPPF8200                        | NSYSPPS8200       | NSYMP228       | NSYSIMP22                   | NSYVVR22          | NSYTVR22  |
|                         |           | 1000         | 600                                | NSYSPPF10100      | NSYSPPS6100                        | NSYSPPF10200      | NSYSPPS6200    | NSYMP2210                   | NSYSIMP22         | NSYVVR22  |
|                         | 1200      | 600          | NSYSPPF12100                       | NSYSPPS6100       | NSYSPPF12200                       | NSYSPPS6200       | NSYMP2212      | NSYSIMP22                   | NSYVVR22          | NSYTVR22  |
|                         |           | 800          | NSYSPPF12100                       | NSYSPPS8100       | NSYSPPF12200                       | NSYSPPS8200       | NSYMP2212      | NSYSIMP22                   | NSYVVR22          | NSYTVR22  |

# Steel floor-standing enclosures

## Selection guide

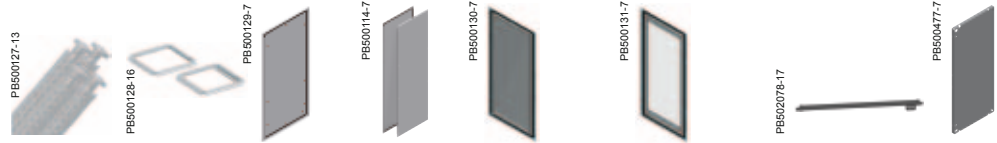


| Nominal dimensions (mm) |           |           | No. of doors | Vertical uprights | Bottom frame and top frame with roof | Rear panel   | Side panels   | Plain door (1) | Transparent door (Securit® glass) (1) | Door Trim plate | Mounting plate |           |
|-------------------------|-----------|-----------|--------------|-------------------|--------------------------------------|--------------|---------------|----------------|---------------------------------------|-----------------|----------------|-----------|
| Height (A)              | Width (B) | Depth (C) |              |                   |                                      |              |               |                |                                       |                 |                |           |
| 1200                    | 600       | 400       | 1            | NSYSFV12          | NSYSFC64                             | NSYBP126     | NSY2SP124     | NSYSFD126      | NSYSFD126T                            | NSYTRIM6SF      | NSYMP126       |           |
|                         |           | 500       | 1            | NSYSFV12          | NSYSFC65                             | NSYBP126     | NSY2SP125     | NSYSFD126      | NSYSFD126T                            | NSYTRIM6SF      | NSYMP126       |           |
|                         |           | 600       | 1            | NSYSFV12          | NSYSFC66                             | NSYBP126     | NSY2SP126     | NSYSFD126      | NSYSFD126T                            | NSYTRIM6SF      | NSYMP126       |           |
|                         |           | 800       | 1            | NSYSFV12          | NSYSFC68                             | NSYBP126     | NSY2SP128     | NSYSFD126      | NSYSFD126T                            | NSYTRIM6SF      | NSYMP126       |           |
|                         | 800       | 400       | 1            | NSYSFV12          | NSYSFC84                             | NSYBP128     | NSY2SP124     | NSYSFD128      | NSYSFD128T                            | NSYTRIM8SF      | NSYMP128       |           |
|                         |           | 500       | 1            | NSYSFV12          | NSYSFC85                             | NSYBP128     | NSY2SP125     | NSYSFD128      | NSYSFD128T                            | NSYTRIM8SF      | NSYMP128       |           |
|                         |           | 600       | 1            | NSYSFV12          | NSYSFC86                             | NSYBP128     | NSY2SP126     | NSYSFD128      | NSYSFD128T                            | NSYTRIM8SF      | NSYMP128       |           |
|                         |           | 800       | 1            | NSYSFV12          | NSYSFC88                             | NSYBP128     | NSY2SP128     | NSYSFD128      | NSYSFD128T                            | NSYTRIM8SF      | NSYMP128       |           |
|                         | 1400      | 600       | 400          | 1                 | NSYSFV14                             | NSYSFC64     | NSYBP146      | NSY2SP144      | NSYSFD146                             | NSYSFD146T      | NSYTRIM6SF     | NSYMP146  |
|                         |           |           | 500          | 1                 | NSYSFV14                             | NSYSFC65     | NSYBP146      | NSY2SP145      | NSYSFD146                             | NSYSFD146T      | NSYTRIM6SF     | NSYMP146  |
|                         |           |           | 600          | 1                 | NSYSFV14                             | NSYSFC66     | NSYBP146      | NSY2SP146      | NSYSFD146                             | NSYSFD146T      | NSYTRIM6SF     | NSYMP146  |
|                         |           |           | 800          | 1                 | NSYSFV14                             | NSYSFC68     | NSYBP146      | NSY2SP148      | NSYSFD146                             | NSYSFD146T      | NSYTRIM6SF     | NSYMP146  |
| 800                     |           | 400       | 1            | NSYSFV14          | NSYSFC84                             | NSYBP148     | NSY2SP144     | NSYSFD148      | NSYSFD148T                            | NSYTRIM8SF      | NSYMP148       |           |
|                         |           | 500       | 1            | NSYSFV14          | NSYSFC85                             | NSYBP148     | NSY2SP145     | NSYSFD148      | NSYSFD148T                            | NSYTRIM8SF      | NSYMP148       |           |
|                         |           | 600       | 1            | NSYSFV14          | NSYSFC86                             | NSYBP148     | NSY2SP146     | NSYSFD148      | NSYSFD148T                            | NSYTRIM8SF      | NSYMP148       |           |
|                         |           | 800       | 1            | NSYSFV14          | NSYSFC88                             | NSYBP148     | NSY2SP148     | NSYSFD148      | NSYSFD148T                            | NSYTRIM8SF      | NSYMP148       |           |
| 1600                    | 600       | 400       | 1            | NSYSFV16          | NSYSFC64                             | NSYBP166     | NSY2SP164     | NSYSFD166      | NSYSFD166T                            | NSYTRIM6SF      | NSYMP166       |           |
|                         |           | 500       | 1            | NSYSFV16          | NSYSFC65                             | NSYBP166     | NSY2SP165     | NSYSFD166      | NSYSFD166T                            | NSYTRIM6SF      | NSYMP166       |           |
|                         |           | 600       | 1            | NSYSFV16          | NSYSFC66                             | NSYBP166     | NSY2SP166     | NSYSFD166      | NSYSFD166T                            | NSYTRIM6SF      | NSYMP166       |           |
|                         |           | 800       | 1            | NSYSFV16          | NSYSFC68                             | NSYBP166     | NSY2SP168     | NSYSFD166      | NSYSFD166T                            | NSYTRIM6SF      | NSYMP166       |           |
|                         | 800       | 400       | 1            | NSYSFV16          | NSYSFC84                             | NSYBP168     | NSY2SP164     | NSYSFD168      | NSYSFD168T                            | NSYTRIM8SF      | NSYMP168       |           |
|                         |           | 500       | 1            | NSYSFV16          | NSYSFC85                             | NSYBP168     | NSY2SP165     | NSYSFD168      | NSYSFD168T                            | NSYTRIM8SF      | NSYMP168       |           |
|                         |           | 600       | 1            | NSYSFV16          | NSYSFC86                             | NSYBP168     | NSY2SP166     | NSYSFD168      | NSYSFD168T                            | NSYTRIM8SF      | NSYMP168       |           |
|                         |           | 800       | 1            | NSYSFV16          | NSYSFC88                             | NSYBP168     | NSY2SP168     | NSYSFD168      | NSYSFD168T                            | NSYTRIM8SF      | NSYMP168       |           |
|                         | 1800      | 400       | 400          | 1                 | NSYSFV18                             | NSYSFC44     | NSYBP184      | NSY2SP184      | NSYSFD184                             | -               | NSYTRIM4SF     | -         |
|                         |           |           | 500          | 1                 | NSYSFV18                             | NSYSFC45     | NSYBP184      | NSY2SP185      | NSYSFD184                             | -               | NSYTRIM4SF     | -         |
|                         |           |           | 600          | 1                 | NSYSFV18                             | NSYSFC46     | NSYBP184      | NSY2SP186      | NSYSFD184                             | -               | NSYTRIM4SF     | -         |
|                         |           |           | 800          | 1                 | NSYSFV18                             | NSYSFC48     | NSYBP184      | NSY2SP188      | NSYSFD184                             | -               | NSYTRIM4SF     | -         |
| 600                     |           | 400       | 1            | NSYSFV18          | NSYSFC64                             | NSYBP186     | NSY2SP184     | NSYSFD186      | NSYSFD186T                            | NSYTRIM6SF      | NSYMP186       |           |
|                         |           | 500       | 1            | NSYSFV18          | NSYSFC65                             | NSYBP186     | NSY2SP185     | NSYSFD186      | NSYSFD186T                            | NSYTRIM6SF      | NSYMP186       |           |
|                         |           | 600       | 1            | NSYSFV18          | NSYSFC66                             | NSYBP186     | NSY2SP186     | NSYSFD186      | NSYSFD186T                            | NSYTRIM6SF      | NSYMP186       |           |
|                         |           | 800       | 1            | NSYSFV18          | NSYSFC68                             | NSYBP186     | NSY2SP188     | NSYSFD186      | NSYSFD186T                            | NSYTRIM6SF      | NSYMP186       |           |
| 800                     |           | 400       | 1            | NSYSFV18          | NSYSFC84                             | NSYBP188     | NSY2SP184     | NSYSFD188      | NSYSFD188T                            | NSYTRIM8SF      | NSYMP188       |           |
|                         |           | 500       | 1            | NSYSFV18          | NSYSFC85                             | NSYBP188     | NSY2SP185     | NSYSFD188      | NSYSFD188T                            | NSYTRIM8SF      | NSYMP188       |           |
|                         |           | 600       | 1            | NSYSFV18          | NSYSFC86                             | NSYBP188     | NSY2SP186     | NSYSFD188      | NSYSFD188T                            | NSYTRIM8SF      | NSYMP188       |           |
|                         |           | 800       | 2            | NSYSFV18          | NSYSFC86                             | NSYBP188     | NSY2SP186     | NSYSFD1882D    | -                                     | NSYTRIM8SF2D    | NSYMP188       |           |
| 1000                    |           | 400       | 400          | 1                 | NSYSFV18                             | NSYSFC88     | NSYBP188      | NSY2SP188      | NSYSFD188                             | NSYSFD188T      | NSYTRIM8SF     | NSYMP188  |
|                         |           |           | 800          | 2                 | NSYSFV18                             | NSYSFC88     | NSYBP188      | NSY2SP188      | NSYSFD1882D                           | -               | NSYTRIM8SF2D   | NSYMP188  |
|                         |           | 400       | 400          | 1                 | NSYSFV18                             | NSYSFC104    | NSYBP1810     | NSY2SP184      | NSYSFD1810                            | NSYSFD1810T     | NSYTRIM10SF    | NSYMP1810 |
|                         |           |           | 400          | 2                 | NSYSFV18                             | NSYSFC104    | NSYBP1810     | NSY2SP184      | NSYSFD18102D                          | -               | NSYTRIM10SF2D  | NSYMP1810 |
| 1200                    | 500       | 1         | NSYSFV18     | NSYSFC105         | NSYBP1810                            | NSY2SP185    | NSYSFD1810    | NSYSFD1810T    | NSYTRIM10SF                           | NSYMP1810       |                |           |
|                         |           | 1         | NSYSFV18     | NSYSFC106         | NSYBP1810                            | NSY2SP186    | NSYSFD1810    | NSYSFD1810T    | NSYTRIM10SF                           | NSYMP1810       |                |           |
|                         | 600       | 2         | NSYSFV18     | NSYSFC106         | NSYBP1810                            | NSY2SP186    | NSYSFD18102D  | -              | NSYTRIM10SF2D                         | NSYMP1810       |                |           |
|                         |           | 1         | NSYSFV18     | NSYSFC108         | NSYBP1810                            | NSY2SP188    | NSYSFD1810    | NSYSFD1810T    | NSYTRIM10SF                           | NSYMP1810       |                |           |
|                         | 800       | 2         | NSYSFV18     | NSYSFC108         | NSYBP1810                            | NSY2SP188    | NSYSFD18102D  | -              | NSYTRIM10SF2D                         | NSYMP1810       |                |           |
|                         |           | 2         | NSYSFV18     | NSYSFC124         | NSYBP1812                            | NSY2SP184    | NSYSFD18122D  | NSYSFD18122DT  | NSYTRIM12SF2D                         | NSYMP1812       |                |           |
|                         | 500       | 2         | NSYSFV18     | NSYSFC125         | NSYBP1812                            | NSY2SP185    | NSYSFD18122D  | NSYSFD18122DT  | NSYTRIM12SF2D                         | NSYMP1812       |                |           |
|                         |           | 600       | 2            | NSYSFV18          | NSYSFC126                            | NSYBP1812    | NSY2SP186     | NSYSFD18122D   | NSYSFD18122DT                         | NSYTRIM12SF2D   | NSYMP1812      |           |
| 800                     | 2         | NSYSFV18  | NSYSFC128    | NSYBP1812         | NSY2SP188                            | NSYSFD18122D | NSYSFD18122DT | NSYTRIM12SF2D  | NSYMP1812                             |                 |                |           |

(1) Hinges, locking bar catches and handle with 5-mm double-bar insert included.

# Steel floor-standing enclosures

## Selection guide



| Nominal dimensions (mm) |           |           | No. of doors | Vertical uprights | Bottom frame and top frame with roof | Rear panel | Side panels | Plain door (1) | Transparent door (Securit® glass) (1) | Door Trim plate | Mounting plate |               |           |
|-------------------------|-----------|-----------|--------------|-------------------|--------------------------------------|------------|-------------|----------------|---------------------------------------|-----------------|----------------|---------------|-----------|
| Height (A)              | Width (B) | Depth (C) |              |                   |                                      |            |             |                |                                       |                 |                |               |           |
| 2000                    | 300       | 500       | 1            | NSYSFV20          | NSYSFC35                             | NSYBP203   | NSY2SP205   | NSYSFD203      | -                                     | NSYTRIM3SF      | -              |               |           |
|                         |           | 600       | 1            | NSYSFV20          | NSYSFC36                             | NSYBP203   | NSY2SP206   | NSYSFD203      | -                                     | NSYTRIM3SF      | -              |               |           |
|                         |           | 400       | 400          | 1                 | NSYSFV20                             | NSYSFC44   | NSYBP204    | NSY2SP204      | NSYSFD204                             | -               | NSYTRIM4SF     | -             |           |
|                         |           |           | 500          | 1                 | NSYSFV20                             | NSYSFC45   | NSYBP204    | NSY2SP205      | NSYSFD204                             | -               | NSYTRIM4SF     | -             |           |
|                         | 600       |           | 1            | NSYSFV20          | NSYSFC46                             | NSYBP204   | NSY2SP206   | NSYSFD204      | -                                     | NSYTRIM4SF      | -              |               |           |
|                         | 800       |           | 1            | NSYSFV20          | NSYSFC48                             | NSYBP204   | NSY2SP208   | NSYSFD204      | -                                     | NSYTRIM4SF      | -              |               |           |
|                         | 600       | 400       | 400          | 1                 | NSYSFV20                             | NSYSFC64   | NSYBP206    | NSY2SP204      | NSYSFD206                             | NSYSFD206T      | NSYTRIM6SF     | NSYMP206      |           |
|                         |           |           | 500          | 1                 | NSYSFV20                             | NSYSFC65   | NSYBP206    | NSY2SP205      | NSYSFD206                             | NSYSFD206T      | NSYTRIM6SF     | NSYMP206      |           |
|                         |           | 600       | 600          | 1                 | NSYSFV20                             | NSYSFC66   | NSYBP206    | NSY2SP206      | NSYSFD206                             | NSYSFD206T      | NSYTRIM6SF     | NSYMP206      |           |
|                         |           |           | 800          | 1                 | NSYSFV20                             | NSYSFC68   | NSYBP206    | NSY2SP208      | NSYSFD206                             | NSYSFD206T      | NSYTRIM6SF     | NSYMP206      |           |
|                         |           | 800       | 400          | 400               | 1                                    | NSYSFV20   | NSYSFC84    | NSYBP208       | NSY2SP204                             | NSYSFD208       | NSYSFD208T     | NSYTRIM8SF    | NSYMP208  |
|                         |           |           |              | 500               | 1                                    | NSYSFV20   | NSYSFC85    | NSYBP208       | NSY2SP205                             | NSYSFD208       | NSYSFD208T     | NSYTRIM8SF    | NSYMP208  |
|                         |           |           | 600          | 600               | 1                                    | NSYSFV20   | NSYSFC86    | NSYBP208       | NSY2SP206                             | NSYSFD208       | NSYSFD208T     | NSYTRIM8SF    | NSYMP208  |
|                         |           |           |              | 800               | 2                                    | NSYSFV20   | NSYSFC86    | NSYBP208       | NSY2SP206                             | NSYSFD2082D     | -              | NSYTRIM8SF2D  | NSYMP208  |
|                         | 1000      | 400       | 800          | 1                 | NSYSFV20                             | NSYSFC88   | NSYBP208    | NSY2SP208      | NSYSFD208                             | NSYSFD208T      | NSYTRIM8SF     | NSYMP208      |           |
|                         |           |           | 800          | 2                 | NSYSFV20                             | NSYSFC88   | NSYBP208    | NSY2SP208      | NSYSFD2082D                           | -               | NSYTRIM8SF2D   | NSYMP208      |           |
|                         |           | 400       | 400          | 1                 | NSYSFV20                             | NSYSFC104  | NSYBP2010   | NSY2SP204      | NSYSFD2010                            | NSYSFD2010T     | NSYTRIM10SF    | NSYMP2010     |           |
|                         |           |           | 400          | 2                 | NSYSFV20                             | NSYSFC104  | NSYBP2010   | NSY2SP204      | NSYSFD20102D                          | -               | NSYTRIM10SF2D  | NSYMP2010     |           |
|                         |           | 500       | 500          | 1                 | NSYSFV20                             | NSYSFC105  | NSYBP2010   | NSY2SP205      | NSYSFD2010                            | NSYSFD2010T     | NSYTRIM10SF    | NSYMP2010     |           |
|                         |           |           | 500          | 2                 | NSYSFV20                             | NSYSFC105  | NSYBP2010   | NSY2SP205      | NSYSFD20102D                          | -               | NSYTRIM10SF2D  | NSYMP2010     |           |
|                         |           | 600       | 600          | 600               | 1                                    | NSYSFV20   | NSYSFC106   | NSYBP2010      | NSY2SP206                             | NSYSFD2010      | NSYSFD2010T    | NSYTRIM10SF   | NSYMP2010 |
|                         |           |           |              | 600               | 2                                    | NSYSFV20   | NSYSFC106   | NSYBP2010      | NSY2SP206                             | NSYSFD20102D    | -              | NSYTRIM10SF2D | NSYMP2010 |
|                         | 800       |           | 800          | 1                 | NSYSFV20                             | NSYSFC108  | NSYBP2010   | NSY2SP208      | NSYSFD2010                            | NSYSFD2010T     | NSYTRIM10SF    | NSYMP2010     |           |
|                         |           |           | 800          | 2                 | NSYSFV20                             | NSYSFC108  | NSYBP2010   | NSY2SP208      | NSYSFD20102D                          | -               | NSYTRIM10SF2D  | NSYMP2010     |           |
| 1200                    | 400       | 400       | 2            | NSYSFV20          | NSYSFC124                            | NSYBP2012  | NSY2SP204   | NSYSFD20122D   | NSYSFD20122DT                         | NSYTRIM12SF2D   | NSYMP2012      |               |           |
|                         |           | 500       | 2            | NSYSFV20          | NSYSFC125                            | NSYBP2012  | NSY2SP205   | NSYSFD20122D   | NSYSFD20122DT                         | NSYTRIM12SF2D   | NSYMP2012      |               |           |
|                         | 600       | 600       | 2            | NSYSFV20          | NSYSFC126                            | NSYBP2012  | NSY2SP206   | NSYSFD20122D   | NSYSFD20122DT                         | NSYTRIM12SF2D   | NSYMP2012      |               |           |
|                         |           | 800       | 2            | NSYSFV20          | NSYSFC128                            | NSYBP2012  | NSY2SP208   | NSYSFD20122D   | NSYSFD20122DT                         | NSYTRIM12SF2D   | NSYMP2012      |               |           |
| 1600                    | 400       | 400       | 2            | NSYSFV20          | NSYSFC164                            | NSYBP2016  | NSY2SP204   | NSYSFD20162D   | -                                     | NSYTRIM16SF2D   | NSYMP2016      |               |           |
|                         |           | 500       | 2            | NSYSFV20          | NSYSFC165                            | NSYBP2016  | NSY2SP205   | NSYSFD20162D   | -                                     | NSYTRIM16SF2D   | NSYMP2016      |               |           |
| 2200                    | 400       | 600       | 2            | NSYSFV20          | NSYSFC166                            | NSYBP2016  | NSY2SP206   | NSYSFD20162D   | -                                     | NSYTRIM16SF2D   | NSYMP2016      |               |           |
|                         |           | 400       | 1            | NSYSFV22          | NSYSFC44                             | NSYBP224   | NSY2SP224   | NSYSFD224      | -                                     | NSYTRIM4SF      | -              |               |           |
|                         |           | 500       | 1            | NSYSFV22          | NSYSFC45                             | NSYBP224   | NSY2SP225   | NSYSFD224      | -                                     | NSYTRIM4SF      | -              |               |           |
|                         |           | 600       | 1            | NSYSFV22          | NSYSFC46                             | NSYBP224   | NSY2SP226   | NSYSFD224      | -                                     | NSYTRIM4SF      | -              |               |           |
|                         | 600       | 800       | 800          | 1                 | NSYSFV22                             | NSYSFC48   | NSYBP224    | NSY2SP228      | NSYSFD224                             | -               | NSYTRIM4SF     | -             |           |
|                         |           |           | 400          | 1                 | NSYSFV22                             | NSYSFC64   | NSYBP226    | NSY2SP224      | NSYSFD226                             | NSYSFD226T      | NSYTRIM6SF     | NSYMP226      |           |
|                         |           | 500       | 500          | 1                 | NSYSFV22                             | NSYSFC65   | NSYBP226    | NSY2SP225      | NSYSFD226                             | NSYSFD226T      | NSYTRIM6SF     | NSYMP226      |           |
|                         |           |           | 600          | 1                 | NSYSFV22                             | NSYSFC66   | NSYBP226    | NSY2SP226      | NSYSFD226                             | NSYSFD226T      | NSYTRIM6SF     | NSYMP226      |           |
|                         | 800       | 800       | 800          | 1                 | NSYSFV22                             | NSYSFC68   | NSYBP226    | NSY2SP228      | NSYSFD226                             | NSYSFD226T      | NSYTRIM6SF     | NSYMP226      |           |
|                         |           |           | 400          | 1                 | NSYSFV22                             | NSYSFC84   | NSYBP228    | NSY2SP224      | NSYSFD228                             | NSYSFD228T      | NSYTRIM8SF     | NSYMP228      |           |
|                         |           | 500       | 500          | 1                 | NSYSFV22                             | NSYSFC85   | NSYBP228    | NSY2SP225      | NSYSFD228                             | NSYSFD228T      | NSYTRIM8SF     | NSYMP228      |           |
|                         |           |           | 600          | 1                 | NSYSFV22                             | NSYSFC86   | NSYBP228    | NSY2SP226      | NSYSFD228                             | NSYSFD228T      | NSYTRIM8SF     | NSYMP228      |           |
|                         | 1000      | 800       | 800          | 1                 | NSYSFV22                             | NSYSFC88   | NSYBP228    | NSY2SP228      | NSYSFD228                             | NSYSFD228T      | NSYTRIM8SF     | NSYMP228      |           |
|                         |           |           | 400          | 1                 | NSYSFV22                             | NSYSFC104  | NSYBP2210   | NSY2SP224      | NSYSFD2210                            | NSYSFD2210T     | NSYTRIM10SF    | NSYMP2210     |           |
|                         |           | 500       | 500          | 1                 | NSYSFV22                             | NSYSFC105  | NSYBP2210   | NSY2SP225      | NSYSFD2210                            | NSYSFD2210T     | NSYTRIM10SF    | NSYMP2210     |           |
|                         |           |           | 600          | 1                 | NSYSFV22                             | NSYSFC106  | NSYBP2210   | NSY2SP226      | NSYSFD2210                            | NSYSFD2210T     | NSYTRIM10SF    | NSYMP2210     |           |
|                         | 1200      | 800       | 800          | 1                 | NSYSFV22                             | NSYSFC108  | NSYBP2210   | NSY2SP228      | NSYSFD2210                            | NSYSFD2210T     | NSYTRIM10SF    | NSYMP2210     |           |
|                         |           |           | 400          | 2                 | NSYSFV22                             | NSYSFC124  | NSYBP2212   | NSY2SP224      | NSYSFD22122D                          | NSYSFD22122DT   | NSYTRIM12SF2D  | NSYMP2212     |           |
|                         |           | 500       | 500          | 2                 | NSYSFV22                             | NSYSFC125  | NSYBP2212   | NSY2SP225      | NSYSFD22122D                          | NSYSFD22122DT   | NSYTRIM12SF2D  | NSYMP2212     |           |
|                         |           |           | 600          | 2                 | NSYSFV22                             | NSYSFC126  | NSYBP2212   | NSY2SP226      | NSYSFD22122D                          | NSYSFD22122DT   | NSYTRIM12SF2D  | NSYMP2212     |           |
|                         | 800       | 800       | 800          | 2                 | NSYSFV22                             | NSYSFC128  | NSYBP2212   | NSY2SP228      | NSYSFD22122D                          | NSYSFD22122DT   | NSYTRIM12SF2D  | NSYMP2212     |           |

(1) Hinges, locking bar catches and handle with 5-mm double-bar insert included.

PB502427-57



### Composition accessories

#### Panels



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#### Coupling accessories



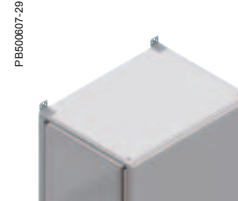
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#### Roofs



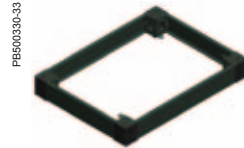
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#### Wall-mounting



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#### Floor



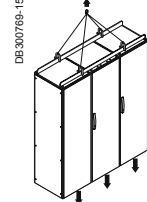
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#### Cable entry



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#### Lifting systems



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#### Doors



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#### Locking systems



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### Installation accessories

PB502434-30



#### Mounting acc.

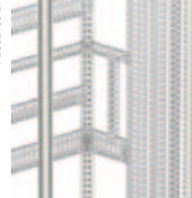
PB502435-31



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#### Telequick system

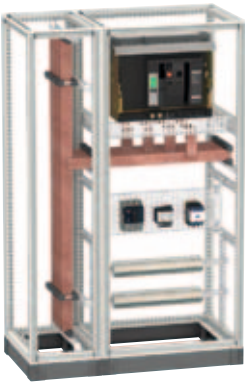
PB502436-27



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### Power distribution

DB404943-35



#### Busbar supports

DB404943-60



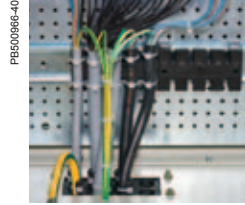
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PB502439-95



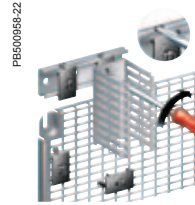
### Cable management

#### Cable holding



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#### Cable ducting



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### Thermal management

#### Heaters



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#### Ventilation



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#### Cooling units



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### Others

#### Door accessories



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#### Lighting



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#### Earthing



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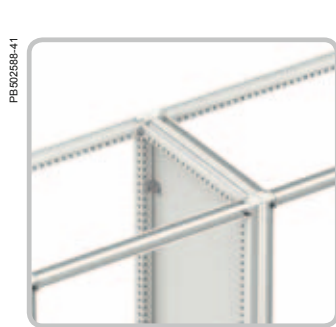
### Panels



| Characteristics |            | Side door                                                                                                                                                                                                                                                                        | External fixing                                               | Internal fixing                                                                                                         |
|-----------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|                 |            | Door for the side of the enclosure, replaces the side panel. Installation directly on the structure of the enclosure, opening 120°. Lock with handle and 5-mm double-bar insert. 4 locking points. Reinforcement frame, cut-out with a pitch of 25 mm. Opening to right or left. | Set of 2 side panels fixed from the outside of the enclosure. | Set of 2 side panels fixed from the enclosure, preventing access by unauthorized persons. Very useful in public spaces. |
| Material        |            | Steel                                                                                                                                                                                                                                                                            | Steel                                                         | Steel                                                                                                                   |
| Finish          |            | Painted with epoxy-polyester resin                                                                                                                                                                                                                                               | Painted with epoxy-polyester resin                            | Painted with epoxy-polyester resin                                                                                      |
| Colour          |            | RAL 7035 grey                                                                                                                                                                                                                                                                    | RAL 7035 grey                                                 | RAL 7035 grey                                                                                                           |
| Supply          |            | One side door, four hinges, four catches and handle lock                                                                                                                                                                                                                         | 2 side panels and fixing elements                             | 2 side panels, with sealing gasket and bag of accessories                                                               |
| Height (mm)     | Depth (mm) | References                                                                                                                                                                                                                                                                       |                                                               |                                                                                                                         |
| 1200            | 400        | -                                                                                                                                                                                                                                                                                | NSY2SP124                                                     | -                                                                                                                       |
|                 | 500        | -                                                                                                                                                                                                                                                                                | NSY2SP125                                                     | NSY2SPI126                                                                                                              |
|                 | 600        | NSYSFD126                                                                                                                                                                                                                                                                        | NSY2SP126                                                     | -                                                                                                                       |
|                 | 800        | NSYSFD128                                                                                                                                                                                                                                                                        | NSY2SP128                                                     | -                                                                                                                       |
| 1400            | 400        | -                                                                                                                                                                                                                                                                                | NSY2SP144                                                     | -                                                                                                                       |
|                 | 500        | -                                                                                                                                                                                                                                                                                | NSY2SP145                                                     | -                                                                                                                       |
|                 | 600        | NSYSFD146                                                                                                                                                                                                                                                                        | NSY2SP146                                                     | -                                                                                                                       |
|                 | 800        | NSYSFD148                                                                                                                                                                                                                                                                        | NSY2SP148                                                     | -                                                                                                                       |
| 1600            | 400        | -                                                                                                                                                                                                                                                                                | NSY2SP164                                                     | -                                                                                                                       |
|                 | 500        | -                                                                                                                                                                                                                                                                                | NSY2SP165                                                     | -                                                                                                                       |
|                 | 600        | NSYSFD166                                                                                                                                                                                                                                                                        | NSY2SP166                                                     | -                                                                                                                       |
|                 | 800        | NSYSFD168                                                                                                                                                                                                                                                                        | NSY2SP168                                                     | -                                                                                                                       |
| 1800            | 400        | NSYSFD184                                                                                                                                                                                                                                                                        | NSY2SP184                                                     | -                                                                                                                       |
|                 | 500        | NSYSFD185                                                                                                                                                                                                                                                                        | NSY2SP185                                                     | NSY2SPI185                                                                                                              |
|                 | 600        | NSYSFD186                                                                                                                                                                                                                                                                        | NSY2SP186                                                     | NSY2SPI186                                                                                                              |
|                 | 800        | NSYSFD188                                                                                                                                                                                                                                                                        | NSY2SP188                                                     | NSY2SPI188                                                                                                              |
|                 | 1000       | -                                                                                                                                                                                                                                                                                | -                                                             | -                                                                                                                       |
| 2000            | 400        | NSYSFD204                                                                                                                                                                                                                                                                        | NSY2SP204                                                     | NSY2SPI204                                                                                                              |
|                 | 500        | NSYSFD205                                                                                                                                                                                                                                                                        | NSY2SP205                                                     | NSY2SPI205                                                                                                              |
|                 | 600        | NSYSFD206                                                                                                                                                                                                                                                                        | NSY2SP206                                                     | NSY2SPI206                                                                                                              |
|                 | 800        | NSYSFD208                                                                                                                                                                                                                                                                        | NSY2SP208                                                     | NSY2SPI208                                                                                                              |
|                 | 1000       | -                                                                                                                                                                                                                                                                                | -                                                             | -                                                                                                                       |
|                 | 1200       | -                                                                                                                                                                                                                                                                                | -                                                             | -                                                                                                                       |
| 2200            | 400        | NSYSFD224                                                                                                                                                                                                                                                                        | NSY2SP224                                                     | -                                                                                                                       |
|                 | 500        | NSYSFD225                                                                                                                                                                                                                                                                        | NSY2SP225                                                     | -                                                                                                                       |
|                 | 600        | NSYSFD226                                                                                                                                                                                                                                                                        | NSY2SP226                                                     | NSY2SPI226                                                                                                              |
|                 | 800        | NSYSFD228                                                                                                                                                                                                                                                                        | NSY2SP228                                                     | NSY2SPI228                                                                                                              |
|                 | 1000       | -                                                                                                                                                                                                                                                                                | -                                                             | -                                                                                                                       |



### Panels



| Quick-fixing side panels                                                                         | Internal fixing rear panel                                                                                                                           | Partition panel                                                                                                               |
|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Set of 2 side panels fixed to the outside of the enclosure by clipping locks. No sealing gasket. | Rear panel fixed from the inside of the enclosure, preventing unauthorized personnel from accessing and removing it. Normally used in public spaces. | Partition panel for direct fixing to the structure, guarantees a water/dustproof protection of IP10 between enclosure suites. |
| Steel                                                                                            | Steel                                                                                                                                                | Galvanised steel                                                                                                              |
| Painted with epoxy-polyester resin                                                               | Painted with epoxy-polyester resin                                                                                                                   | -                                                                                                                             |
| RAL 7035 grey                                                                                    | RAL 7035 grey                                                                                                                                        | RAL 7035 grey                                                                                                                 |
| 2 side panels and fixing elements                                                                | 1 rear panel and fixing elements                                                                                                                     | 1 partition panel, sealing gasket and fixing elements                                                                         |
| -                                                                                                | -                                                                                                                                                    | -                                                                                                                             |
| -                                                                                                | -                                                                                                                                                    | -                                                                                                                             |
| <b>NSY2SPQ126</b>                                                                                | <b>NSYBPI126</b>                                                                                                                                     | -                                                                                                                             |
| <b>NSY2SPQ128</b>                                                                                | -                                                                                                                                                    | -                                                                                                                             |
| -                                                                                                | -                                                                                                                                                    | -                                                                                                                             |
| -                                                                                                | -                                                                                                                                                    | -                                                                                                                             |
| <b>NSY2SPQ146</b>                                                                                | -                                                                                                                                                    | -                                                                                                                             |
| <b>NSY2SPQ148</b>                                                                                | -                                                                                                                                                    | -                                                                                                                             |
| -                                                                                                | -                                                                                                                                                    | -                                                                                                                             |
| -                                                                                                | -                                                                                                                                                    | -                                                                                                                             |
| <b>NSY2SPQ166</b>                                                                                | <b>NSYBPI166</b>                                                                                                                                     | <b>NSYPPS166</b>                                                                                                              |
| <b>NSY2SPQ168</b>                                                                                | <b>NSYBPI168</b>                                                                                                                                     | <b>NSYPPS168</b>                                                                                                              |
| -                                                                                                | -                                                                                                                                                    | <b>NSYPPS184</b>                                                                                                              |
| -                                                                                                | -                                                                                                                                                    | <b>NSYPPS185</b>                                                                                                              |
| <b>NSY2SPQ186</b>                                                                                | <b>NSYBPI186</b>                                                                                                                                     | <b>NSYPPS186</b>                                                                                                              |
| <b>NSY2SPQ188</b>                                                                                | <b>NSYBPI188</b>                                                                                                                                     | -                                                                                                                             |
| -                                                                                                | <b>NSYBPI1810</b>                                                                                                                                    | -                                                                                                                             |
| -                                                                                                | <b>NSYBPI204</b>                                                                                                                                     | <b>NSYPPS204</b>                                                                                                              |
| -                                                                                                | -                                                                                                                                                    | <b>NSYPPS205</b>                                                                                                              |
| <b>NSY2SPQ206</b>                                                                                | <b>NSYBPI206</b>                                                                                                                                     | <b>NSYPPS206</b>                                                                                                              |
| <b>NSY2SPQ208</b>                                                                                | <b>NSYBPI208</b>                                                                                                                                     | <b>NSYPPS208</b>                                                                                                              |
| -                                                                                                | <b>NSYBPI2010</b>                                                                                                                                    | -                                                                                                                             |
| -                                                                                                | <b>NSYBPI2012</b>                                                                                                                                    | -                                                                                                                             |
| -                                                                                                | -                                                                                                                                                    | -                                                                                                                             |
| -                                                                                                | -                                                                                                                                                    | -                                                                                                                             |
| <b>NSY2SPQ226</b>                                                                                | <b>NSYBPI226</b>                                                                                                                                     | <b>NSYPPS226</b>                                                                                                              |
| <b>NSY2SPQ228</b>                                                                                | <b>NSYBPI228</b>                                                                                                                                     | <b>NSYPPS228</b>                                                                                                              |
| -                                                                                                | <b>NSYBPI2210</b>                                                                                                                                    | -                                                                                                                             |

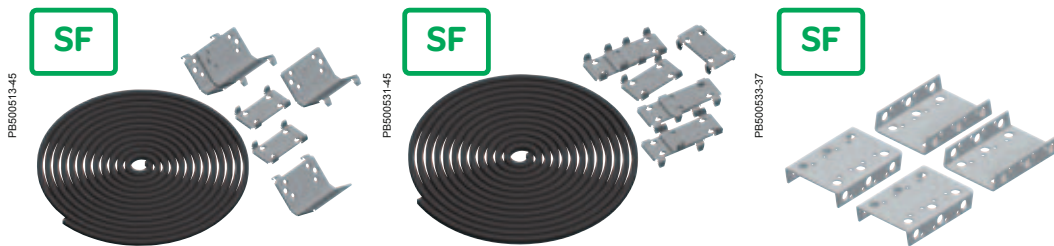
### Trim cap

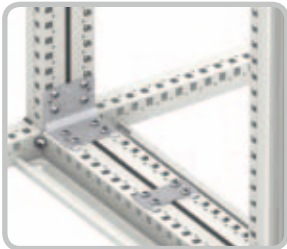
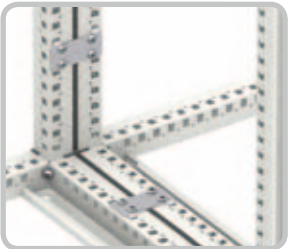
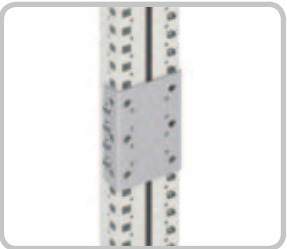
Trim cap for external fixing panels, both sides and rear.

Polyamide 6  
-  
RAL 7035 grey  
50 units

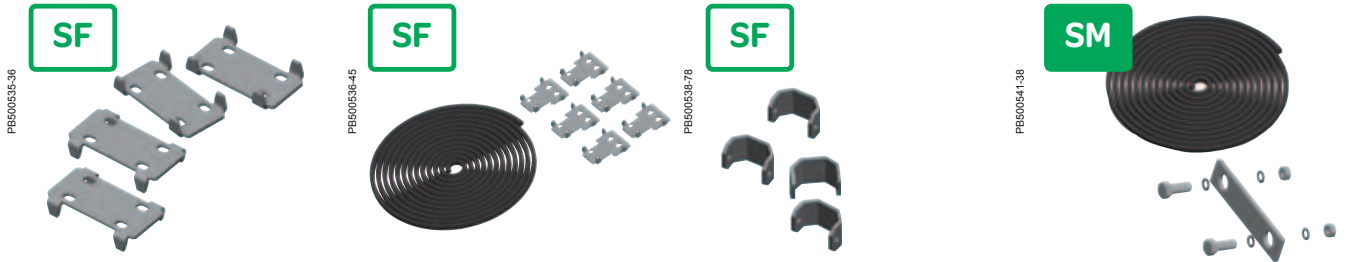
**Reference**  
**NSYCSP**

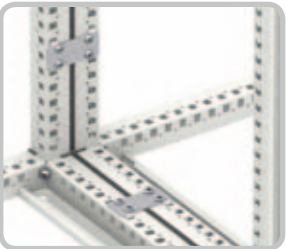

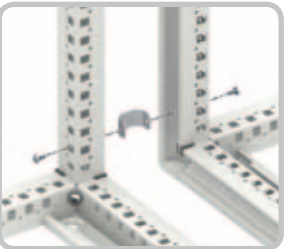

## Coupling accessories

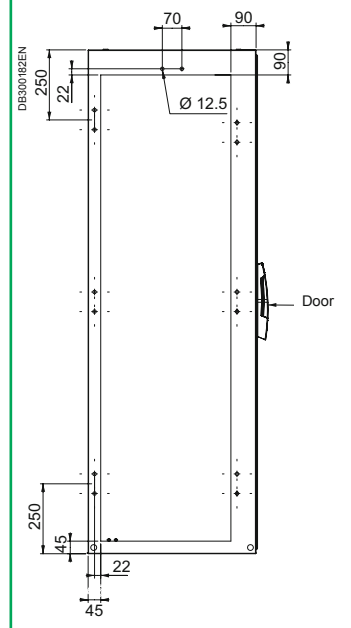


| Characteristics | Standard coupling Kit                                                                                                                                                                    | Swing 19" rack coupling Kit                                                                                                                                                                                              | Reinforced coupling                                                                                                                                                                                                                                          |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 |  <p>Used for joining enclosures side-to-side or depthwise. Fixing from the inside of the enclosure.</p> |  <p>Used for joining enclosures equipped with swing 19" rack, side-to-side or depthwise. Fixing from the inside of the enclosures.</p> |  <p>It is used together with the coupling kit to reinforce the connection between 2 enclosures when they carry heavy loads. Fixing from the inside of the enclosures.</p> |
| Material        | <ul style="list-style-type: none"> <li>■ Flat connectors and brackets: zinc-coated steel</li> <li>■ Sealing gasket: EPDM</li> </ul>                                                      | <ul style="list-style-type: none"> <li>■ Flat connectors: zinc-coated steel</li> <li>■ Sealing gasket: EPDM</li> </ul>                                                                                                   | Zinc-coated steel                                                                                                                                                                                                                                            |
| Supply          | 4 brackets, 2 flat connectors, sealing gasket and fixing elements                                                                                                                        | 8 flat connectors, sealing gasket and fixing elements                                                                                                                                                                    | 4 reinforced connectors and fixing elements                                                                                                                                                                                                                  |
| References      | <b>NSYSFBK</b>                                                                                                                                                                           | <b>NSYSFBK19</b>                                                                                                                                                                                                         | <b>NSYSFBKR</b>                                                                                                                                                                                                                                              |

### Coupling accessories



|                                                                                                                                                                                               | Quick coupling                                                                                                                                                                                                                                                                                 | Kit for coupling the previous version with Spacial SF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | External coupling                                                                                                                                                                                                                                  | Enclosure coupling Kit for Spacial SM |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| <p>PB5002553-53</p>  <p>Used for quickly joining 2 enclosures. Fixing from the inside of the enclosures.</p> | <p>PB5002568-40</p>  <p>It is used for coupling an enclosure of a previous version (OLN or Spacial 6000) side-to-side or depthwise with a Spacial SF enclosure. Fixing from the inside of the enclosures.</p> | <p>PB5002555-49</p>  <ul style="list-style-type: none"> <li>■ Allows two enclosures to be joined by their structure.</li> <li>■ To be used with the standard coupling kit in those cases where front and back uprights are not accesibles.</li> <li>■ The mounting plate or vertical uprights fixed to the back of the enclosure prevent the assembly and dismantling of the kit.</li> <li>■ It can be combined with the reinforced or the quick coupling kit.</li> </ul> | <p>PB5002566-35</p>  <ul style="list-style-type: none"> <li>■ Used for joining enclosures side-to-side.</li> <li>■ Enclosures fixed from the inside.</li> </ul> |                                       |
| <p>Zinc-coated steel</p>                                                                                                                                                                      | <ul style="list-style-type: none"> <li>■ Flat connectors and spacers: zinc-coated steel</li> <li>■ Sealing gasket: EPDM</li> </ul>                                                                                                                                                             | <ul style="list-style-type: none"> <li>■ External connectors: zinc-coated steel</li> <li>■ Sealing gasket: EPDM</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                  | <p>9 x 11 sealing gasket: EPDM</p>                                                                                                                                                                                                                 |                                       |
| <p>4 flat links and fixing elements</p>                                                                                                                                                       | <p>6 flat connectors, sealing gasket and fixing elements</p>                                                                                                                                                                                                                                   | <p>4 external connectors and fixing elements</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <p>1 sealing gasket and fixing elements</p>                                                                                                                                                                                                        |                                       |
| <p><b>NSYSFBKF</b></p>                                                                                                                                                                        | <p><b>NSYSFBKSH</b></p>                                                                                                                                                                                                                                                                        | <p><b>NSYSFBKE</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <p><b>NSYSMBK</b></p>                                                                                                                                                                                                                              |                                       |



### Floor

#### Plinth in kit form

##### Front and rear kit

##### Side panels

##### Complete plinth



Plinth height 100 mm



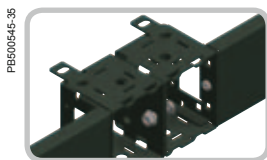
Plinth height 200 mm

The complete plinth consists of two elements, one is the front and rear kit, determined by the length of the enclosure, and the other consists of the side panels, which determine the depth of the enclosure. The number of side panels required is decided according to the desired plinth combination.

- ⊕ Robust design.
- ⊕ The modular plinth system makes it possible to reduce the number of references in stock.

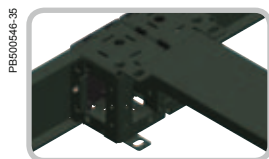
## Floor

### Possibility of joining plinths



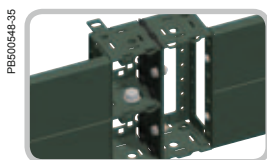
- 1 - The surfaces between corners are always in contact.**  
They are joined by an M8 screw and nut, not included in the standard supply.

- + Longitudinally free space for passing cables.
- + Greater rigidity of the resultant assembly unit.



- 2 - By side panels, the M6 screws and caged nuts, not included in the standard supply, reference **NSYSPM6** and reference **NSYCN9M625**, which can be mounted above and/or below.**

- + Improves rigidity in the depthwise direction during transport.



- 3 - Vertical plinth assembly** by means of M12 screws and nuts, not included in the standard supply.

- + The two heights of corners can be combined.

### Possibility of fixing the enclosure to the plinth



- 1 - Fixing from the inside of the enclosure by means of an M12 screw, screwing directly into the corner of the plinth.**

- + Fixing convenience and speed.

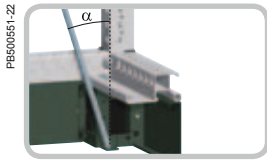


- 2 - Fixing from the outside of the enclosure with a M12 screw, screwing directly onto the vertical upright.**

- + Maximum rigidity of the enclosure-plinth assembly.

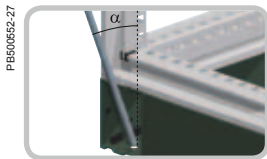
### Floor

#### Possibility of fixing the plinth to the floor



**1** - Fixing from the inside of the enclosure.

The machining angle varies according to the plinth model:  
 Plinth height 100 mm  $\alpha = 18^\circ$ .  
 Plinth height 200 mm  $\alpha = 9^\circ$ .

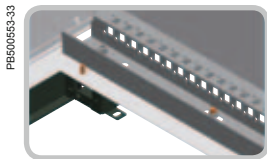


**2** - Fixing from the outside of the enclosure, optimum point for the rigidity of the assembly.

The machining angle varies according to the plinth model:  
 Plinth height 100 mm  $\alpha = 22^\circ$ .  
 Plinth height 200 mm  $\alpha = 11^\circ$ .

**3** - It is also possible to use floor-fixing supports, reference **NSYSGF**, to fix the corner or the panel and the corner to the floor.

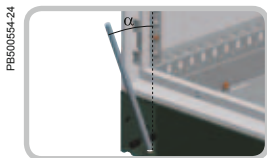
The corners of the ends can be rotated in the event of needing to remove the side panels of the plinth and/or to obtain access to the fixing outside the floor, when the set is installed against the wall.



#### Fixing the enclosure to the plinth

Fixing from the inside of the enclosure by means of an M12 screw, screwing directly into the corner of the plinth.

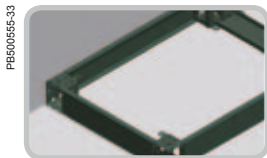
⊕ Fixing convenience and speed.



#### Fixing the enclosure to the ground

Fixing from the outside of the enclosure, optimum point for the rigidity of the assembly.

The machining angle varies according to the plinth model:  
 Plinth height 100 mm  $\alpha = 22^\circ$ .  
 Plinth height 200 mm  $\alpha = 11^\circ$ .

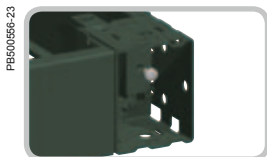


#### Enclosure against a wall

Thanks to the design of the corners, when the enclosure is installed against the wall, the following is possible:

- to remove the side panels (turning back corners),
- to access the external fixing to the floor.

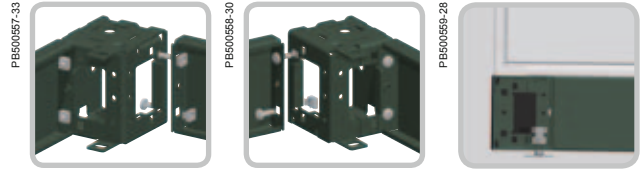
It is also possible to use floor-fixing supports, reference **NSYSGF**, to fix the corner or the panel and the corner to the floor.



#### Assembly of the plinth panels

The panels are fixed with an M6 screw to the corner, included in the standard supply of the side panels.  
 The front and rear panels are delivered mounted on the corners.

### Floor



| Fixing options  |                          |                   |                                                       |
|-----------------|--------------------------|-------------------|-------------------------------------------------------|
| Characteristics | Screw M6                 | Caged nuts        | Levelling the plinth                                  |
|                 | Torx T30 M6 x 10 screws. | M6 caged nuts.    | The plinth allows levelling by means of an M12 screw. |
| Supply          | 50                       | 100               | -                                                     |
| References      | <b>NSYSPM6</b>           | <b>NSYCN9M625</b> | <b>NSYSPLK</b>                                        |



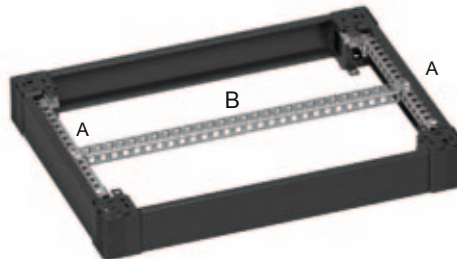
### Examples of solutions

PB502564-72

PB502565-51



PB502566-43

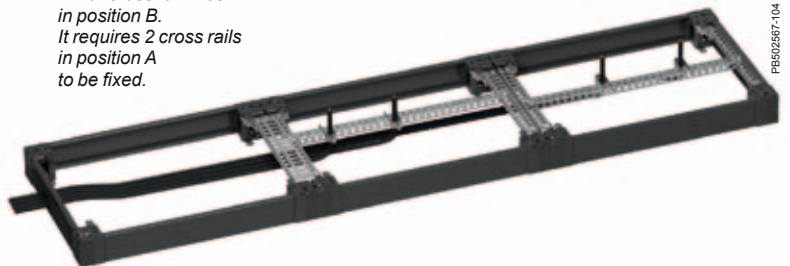


#### Plinth cross rail fixed in position B

- They are fixed to the plinth cross rails, both the universal and the quick-fixing types.
- Their depth is adjustable with a pitch of 25 mm.
- See universal and quick-fixing cross rail references, page 232.

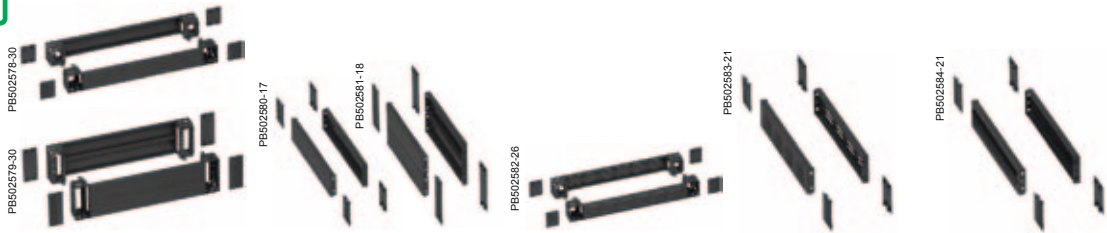
*Plinth cross rail fixes in position B. It requires 2 cross rails in position A to be fixed.*

PB502567-104



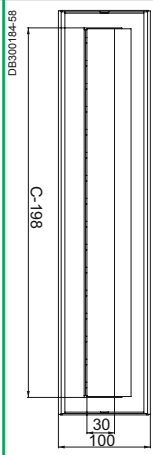
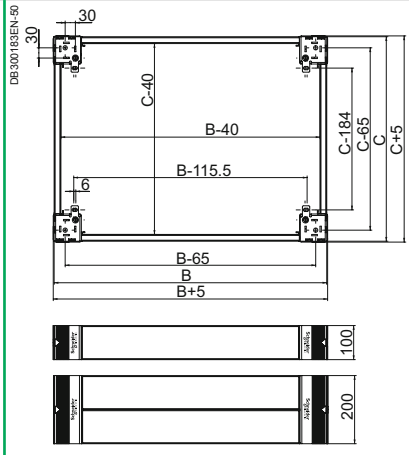
**SM** **SF**

### Floor



| Characteristics              | Front plinth                                                                                                                                                                                                                                         | Plinth side panels                                                                                                                                                                                                                     | Ventilated front plinth                                                                                                                                 | Ventilated side panels                                                                                                           | Panels with brush                                                                                                             |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
|                              | The front and rear of the plinth consists of 4 corners with 2 or 4 panels.                                                                                                                                                                           | They are fixed to the corner of the plinth by 2 fixing screws.                                                                                                                                                                         | The front and rear of the ventilated plinth is made up of 4 corners with 2 front panels.                                                                | They are fixed to the corner of the plinth by fixing screws.                                                                     | They allow the entry and fixing of cables inside the enclosure, through the plinth.                                           |
| Material                     | Folded sheet steel, corner with a thickness of 25/10° mm                                                                                                                                                                                             | Folded sheet steel                                                                                                                                                                                                                     | Folded sheet steel, corner with a thickness of 25/10° mm                                                                                                | Folded sheet steel                                                                                                               | Folded sheet steel                                                                                                            |
| Finish                       | Painted with epoxy-polyester resin                                                                                                                                                                                                                   | Painted with epoxy-polyester resin                                                                                                                                                                                                     | Painted with epoxy-polyester resin                                                                                                                      | Painted with epoxy-polyester resin                                                                                               | Painted with epoxy-polyester resin                                                                                            |
| Colour                       | RAL 7022 grey                                                                                                                                                                                                                                        | RAL 7022 grey                                                                                                                                                                                                                          | RAL 7022 grey                                                                                                                                           | RAL 7022 grey                                                                                                                    | RAL 7022 grey                                                                                                                 |
| Ingress protection rating    | IP30                                                                                                                                                                                                                                                 | IP30                                                                                                                                                                                                                                   | IP20                                                                                                                                                    | IP20                                                                                                                             | IP20                                                                                                                          |
| Mechanical protection rating | IK10                                                                                                                                                                                                                                                 | IK10                                                                                                                                                                                                                                   | IK10                                                                                                                                                    | IK10                                                                                                                             | IK10                                                                                                                          |
| Supply                       | <ul style="list-style-type: none"> <li>■ Height 100 mm: 4 corners, 2 panels (front and rear), 4 corner covers and fixing elements</li> <li>■ Height 200 mm: 4 corners, 4 panels (2 front and 2 rear), 4 corner covers and fixing elements</li> </ul> | <ul style="list-style-type: none"> <li>■ Height 100 mm: 2 side panels, 4 corner covers and fixing elements</li> <li>■ Height 200 mm: 4 side panels (height of 100 mm, 2 for each side), 4 corner covers and fixing elements</li> </ul> | <ul style="list-style-type: none"> <li>■ Height 100 mm: 4 corners, 2 ventilated panels (front and rear), 4 corner covers and fixing elements</li> </ul> | <ul style="list-style-type: none"> <li>■ Height 100 mm: 2 ventilated side panels, 4 corner covers and fixing elements</li> </ul> | <ul style="list-style-type: none"> <li>■ Height 100 mm: 2 panels with brushes, 4 corner covers and fixing elements</li> </ul> |

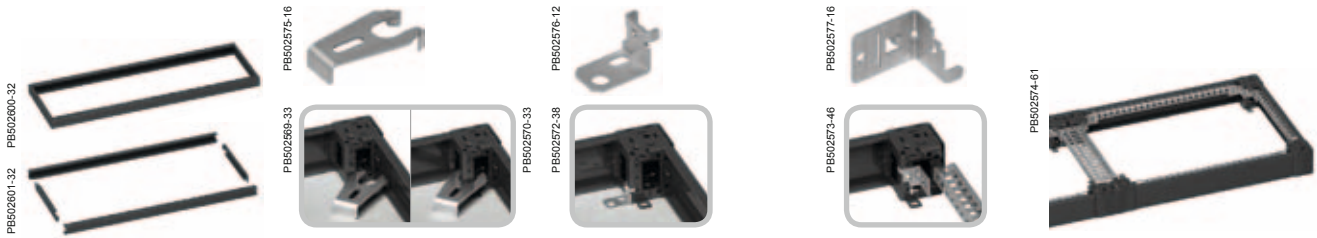
| References     |              |              |             |              |             |             |
|----------------|--------------|--------------|-------------|--------------|-------------|-------------|
| Width (mm) (B) | 100 mm       |              | 200 mm      |              | 100 mm      |             |
| 300            | NSYS PF3100  | NSYS PF3200  | -           | -            | -           | -           |
| 400            | NSYS PF4100  | NSYS PF4200  | -           | -            | -           | -           |
| 600            | NSYS PF6100  | NSYS PF6200  | -           | NSYS PFV6100 | -           | -           |
| 800            | NSYS PF8100  | NSYS PF8200  | -           | NSYS PFV8100 | -           | -           |
| 1000           | NSYS PF10100 | NSYS PF10200 | -           | -            | -           | -           |
| 1200           | NSYS PF12100 | NSYS PF12200 | -           | -            | -           | -           |
| 1600           | NSYS PF16100 | NSYS PF16200 | -           | -            | -           | -           |
| 1800           | -            | -            | -           | -            | -           | -           |
| 2400           | -            | -            | -           | -            | -           | -           |
| Depth (mm) (C) |              |              | 100 mm      | 200 mm       | 100 mm      | 100 mm      |
| 300            |              |              | NSYS PS3100 | NSYS PS3200  | -           | -           |
| 400            |              |              | NSYS PS4100 | NSYS PS4200  | -           | -           |
| 500            |              |              | NSYS PS5100 | NSYS PS5200  | -           | -           |
| 600            |              |              | NSYS PS6100 | NSYS PS6200  | NSYS PV6100 | NSYS PB6100 |
| 800            |              |              | NSYS PS8100 | NSYS PS8200  | NSYS PV8100 | NSYS PB8100 |



**[!]** Stainless-steel plinths compatible with steel offer.

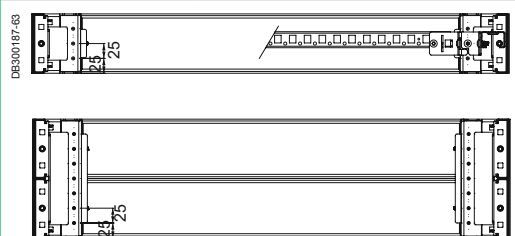
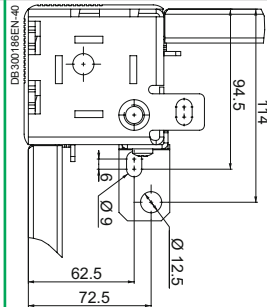
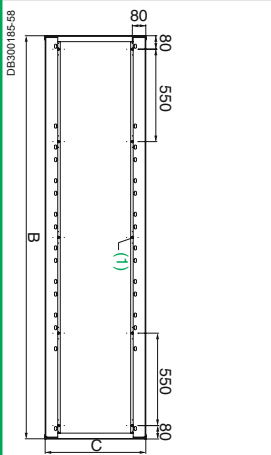


### Floor



| Plinth for sets                                                                                                                                                                              | Fixing to the floor                                                                                                | Fixing to the floor by fixing points of previous version (OLN/CMO or Spacial 6000 and 18500) | Plinth cross-rail support                          | Plinth cross rails                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Designed for the assembly of sets of 2 to 4 Spacial SF enclosures, joined on a single plinth.                                                                                                | Piece for fixing the plinth to the floor in the event of not being able to use the drill holes made in the plinth. | Pieces that reproduce the floor-fixing points of the previous plinth.                        | Support for fixing a cross rail inside the plinth. | They are fixed across the width and/or depth between the corners of the plinth. The plinth cross-rail supports are required for its assembly. |
| Folded sheet steel                                                                                                                                                                           | Steel                                                                                                              | Steel                                                                                        | Steel                                              | Steel                                                                                                                                         |
| Painted with epoxy-polyester resin                                                                                                                                                           | Zinc-coated                                                                                                        | Zinc-coated                                                                                  | Zinc-coated                                        | Zinc-coated                                                                                                                                   |
| RAL 7022 grey                                                                                                                                                                                | -                                                                                                                  | -                                                                                            | -                                                  | -                                                                                                                                             |
| IP20                                                                                                                                                                                         | -                                                                                                                  | -                                                                                            | -                                                  | -                                                                                                                                             |
| IK10                                                                                                                                                                                         | -                                                                                                                  | -                                                                                            | -                                                  | -                                                                                                                                             |
| <ul style="list-style-type: none"> <li>Front plinth: 2 U-shaped profiles and fixing elements</li> <li>Plinth side panel: Height 100 mm: 2 plinths side panels and fixing elements</li> </ul> | 4 pieces, fixing elements not supplied                                                                             | 4 pieces, fixing elements not supplied                                                       | 12 pieces and fixing elements                      | 2 cross rails and fixing elements                                                                                                             |

| 100 mm       | 200 mm         |        |          | Reference by unit<br>Order by multiples of 12 (12, 24, 36...) | Cross rails<br>1 row (40) | 3 rows (90)  |
|--------------|----------------|--------|----------|---------------------------------------------------------------|---------------------------|--------------|
| -            | -              | NSYSGF | NSYOL6GF | NSYSPCR                                                       | -                         | -            |
| -            | -              | -      | -        | -                                                             | NSYSUCR4030               | NSYSUCR9030  |
| -            | -              | -      | -        | -                                                             | NSYSUCR4050               | NSYSUCR9050  |
| -            | -              | -      | -        | -                                                             | NSYSUCR4070               | NSYSUCR9070  |
| -            | -              | -      | -        | -                                                             | NSYSUCR4090               | NSYSUCR9090  |
| -            | -              | -      | -        | -                                                             | NSYSUCR40110              | NSYSUCR90110 |
| NSYSPFC16100 | NSYSPFC16200   | -      | -        | -                                                             | NSYSUCR40150              | NSYSUCR90150 |
| NSYSPFC18100 | NSYSPFC18200   | -      | -        | -                                                             | -                         | -            |
| NSYSPFC24100 | NSYSPFC24200   | -      | -        | -                                                             | -                         | -            |
| 100 mm       | 200 mm         | -      | -        | -                                                             | 1 row (40)                | 3 rows (90)  |
| -            | -              | -      | -        | -                                                             | -                         | -            |
| NSYSPC4100   | 2 x NSYSPC4100 | -      | -        | -                                                             | -                         | -            |
| NSYSPC5100   | 2 x NSYSPC5100 | -      | -        | -                                                             | NSYSUCR4040               | NSYSUCR9040  |
| NSYSPC6100   | 2 x NSYSPC6100 | -      | -        | -                                                             | -                         | -            |
| NSYSPC8100   | 2 x NSYSPC8100 | -      | -        | -                                                             | -                         | -            |

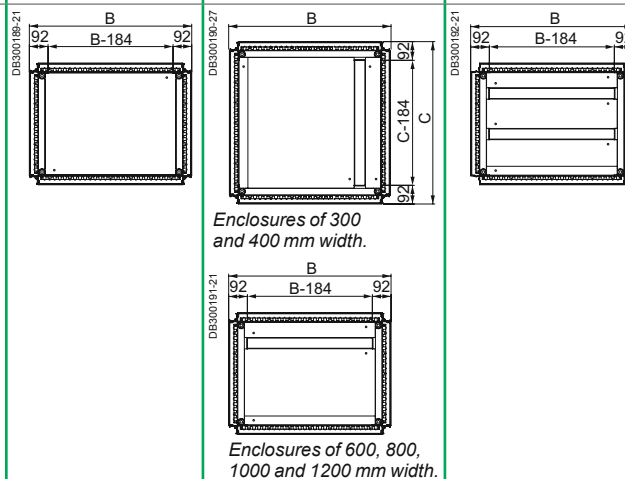


(1) Only for version with width of 2400 mm.

## Cable entries

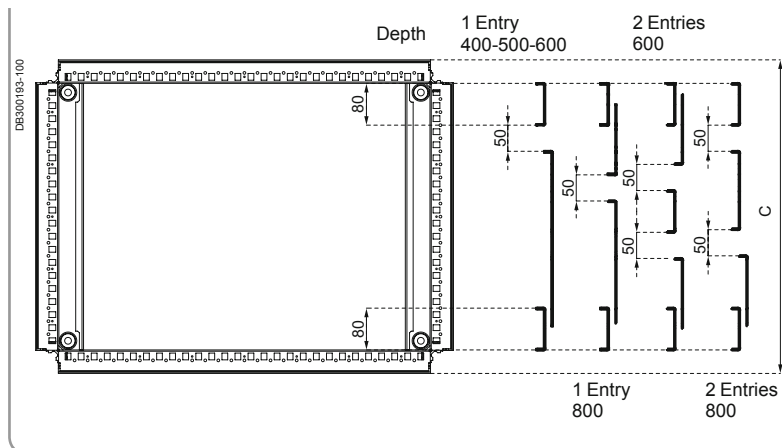


| Characteristics |           | Plain cable-gland plate                            | Plain                                   | With 1 entry                                                                                                                                       | With 2 entries                                                                                                                     | Cable-gland plate for connectors                                                                                                                                             |            |
|-----------------|-----------|----------------------------------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
|                 |           | Maximum compact water/dustproof design.            | Maximum compact water/dustproof design. | Facilitates the entry of cables thanks to a longitudinal opening.                                                                                  | Cable entry for very deep enclosures (600 and 800 mm). Two longitudinal openings allowing a large number of cables through.        | Adapter plate to install cable entry plates for connectors, see page 279. To be used together with cable-gland plates, 1 or 2 entries, adding or replacing one of the parts. |            |
| Material        |           | Steel painted with epoxy-polyester resin, RAL 7035 | Galvanised steel                        |                                                                                                                                                    |                                                                                                                                    | Galvanised steel                                                                                                                                                             |            |
| Thicknesses     |           | 10/10° mm                                          | 15/10° mm                               |                                                                                                                                                    |                                                                                                                                    | 15/10° mm                                                                                                                                                                    |            |
| Supply          |           | Plain plate and fixing elements                    | Plain plate and fixing elements         | Plate with 1 entry; self-extinguishing polyurethane adhesive gasket with cross-section of 15 x 25 mm (guarantees good sealing) and fixing elements | 1 plate with 2 entries; polyurethane adhesive gasket with cross-section of 15 x 25 mm (guarantee good sealing) and fixing elements | Plate and fixing elements                                                                                                                                                    |            |
| Width (B)       | Depth (C) | References                                         |                                         |                                                                                                                                                    |                                                                                                                                    | No. of cuts                                                                                                                                                                  | References |
| 300             | 500       | -                                                  | NSYEC35                                 | NSYEC351                                                                                                                                           | -                                                                                                                                  | -                                                                                                                                                                            | -          |
|                 | 600       | -                                                  | NSYEC36                                 | NSYEC361                                                                                                                                           | -                                                                                                                                  | -                                                                                                                                                                            | -          |
| 400             | 400       | -                                                  | NSYEC44                                 | NSYEC441                                                                                                                                           | -                                                                                                                                  | -                                                                                                                                                                            | -          |
|                 | 500       | -                                                  | NSYEC45                                 | NSYEC451                                                                                                                                           | -                                                                                                                                  | -                                                                                                                                                                            | -          |
|                 | 600       | -                                                  | NSYEC64                                 | NSYEC461                                                                                                                                           | -                                                                                                                                  | -                                                                                                                                                                            | -          |
|                 | 800       | -                                                  | NSYEC84                                 | NSYEC481                                                                                                                                           | -                                                                                                                                  | -                                                                                                                                                                            | -          |
| 600             | 300       | NSYSMEC63                                          | -                                       | -                                                                                                                                                  | -                                                                                                                                  | 2                                                                                                                                                                            | NSYDCE6    |
|                 | 400       | NSYSMEC64                                          | NSYEC64                                 | NSYEC641                                                                                                                                           | -                                                                                                                                  | -                                                                                                                                                                            |            |
|                 | 500       | NSYSMEC65                                          | NSYEC65                                 | NSYEC651                                                                                                                                           | -                                                                                                                                  | -                                                                                                                                                                            |            |
|                 | 600       | NSYSMEC66                                          | NSYEC66                                 | NSYEC661                                                                                                                                           | NSYEC662                                                                                                                           | -                                                                                                                                                                            |            |
|                 | 800       | -                                                  | NSYEC68                                 | NSYEC681                                                                                                                                           | NSYEC682                                                                                                                           | -                                                                                                                                                                            |            |
| 800             | 300       | NSYSMEC83                                          | -                                       | -                                                                                                                                                  | -                                                                                                                                  | 3                                                                                                                                                                            | NSYDCE8    |
|                 | 400       | NSYSMEC84                                          | NSYEC84                                 | NSYEC841                                                                                                                                           | -                                                                                                                                  | -                                                                                                                                                                            |            |
|                 | 500       | NSYSMEC85                                          | NSYEC85                                 | NSYEC851                                                                                                                                           | -                                                                                                                                  | -                                                                                                                                                                            |            |
|                 | 600       | NSYSMEC86                                          | NSYEC86                                 | NSYEC861                                                                                                                                           | NSYEC862                                                                                                                           | -                                                                                                                                                                            |            |
|                 | 800       | -                                                  | NSYEC88                                 | NSYEC881                                                                                                                                           | NSYEC882                                                                                                                           | -                                                                                                                                                                            |            |
| 1000            | 300       | NSYSMEC103                                         | -                                       | -                                                                                                                                                  | -                                                                                                                                  | 4                                                                                                                                                                            | NSYDCE10   |
|                 | 400       | NSYSMEC104                                         | NSYEC104                                | NSYEC1041                                                                                                                                          | -                                                                                                                                  | -                                                                                                                                                                            |            |
|                 | 500       | NSYSMEC105                                         | NSYEC105                                | NSYEC1051                                                                                                                                          | -                                                                                                                                  | -                                                                                                                                                                            |            |
|                 | 600       | -                                                  | NSYEC106                                | NSYEC1061                                                                                                                                          | NSYEC1062                                                                                                                          | -                                                                                                                                                                            |            |
| 1200            | 800       | -                                                  | NSYEC108                                | NSYEC1081                                                                                                                                          | NSYEC1082                                                                                                                          | -                                                                                                                                                                            | -          |
|                 | 300       | 2 x NSYSMEC63                                      | -                                       | -                                                                                                                                                  | -                                                                                                                                  | 4                                                                                                                                                                            | NSYDCE12   |
|                 | 400       | 2 x NSYSMEC64                                      | NSYEC124                                | NSYEC1241                                                                                                                                          | -                                                                                                                                  | -                                                                                                                                                                            |            |
|                 | 500       | 2 x NSYSMEC65                                      | NSYEC125                                | NSYEC1251                                                                                                                                          | -                                                                                                                                  | -                                                                                                                                                                            |            |
|                 | 600       | 2 x NSYSMEC66                                      | NSYEC126                                | NSYEC1261                                                                                                                                          | NSYEC1262                                                                                                                          | -                                                                                                                                                                            |            |
| 800             | -         | NSYEC128                                           | NSYEC1281                               | NSYEC1282                                                                                                                                          | -                                                                                                                                  |                                                                                                                                                                              |            |
| 1600            | 400       | 2 x NSYSMEC84                                      | NSYEC164                                | NSYEC1641                                                                                                                                          | -                                                                                                                                  | -                                                                                                                                                                            | -          |
|                 | 500       | 2 x NSYSMEC85                                      | NSYEC165                                | NSYEC1651                                                                                                                                          | -                                                                                                                                  | -                                                                                                                                                                            | -          |
|                 | 600       | 2 x NSYSMEC86                                      | NSYEC166                                | NSYEC1661                                                                                                                                          | NSYEC1662                                                                                                                          | -                                                                                                                                                                            | -          |





### Possibilities of cable gland-plate adjustment



### Gaskets



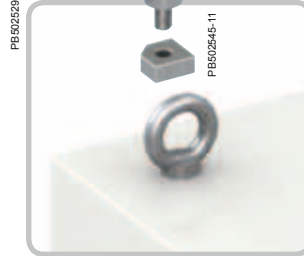
| Dimensions (mm) | Brush-type cable-entry gasket                                                  | Foam cable-entry gasket                                                                                | Sealing gasket                                                                                                                                                               |
|-----------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | For plates with 1 or 2 cable entries. The cables can have different diameters. | Brush-type gasket for installation on the cable-gland plates. The cables can have different diameters. | Spare gasket, made from self-extinguishing expanded polyurethane with a cross-section of 15 x 25 mm, for fixing on cable-gland plates.                                       |
|                 |                                                                                |                                                                                                        | Sealing gasket, made from ethylene-propylene with a cross-section of 3 x 10 mm, for mounting on the perimeter of the cable-gland plates. Adhesive to guarantee good sealing. |
| Width (mm)      | References                                                                     |                                                                                                        | Reference                                                                                                                                                                    |
| 300             | NSYBCE3                                                                        | -                                                                                                      | NSYCEJ                                                                                                                                                                       |
| 400             | NSYBCE4                                                                        | -                                                                                                      | NSYCEK                                                                                                                                                                       |
| 600             | NSYBCE6                                                                        | NSYSMBCE6                                                                                              |                                                                                                                                                                              |
| 800             | NSYBCE8                                                                        | NSYSMBCE8                                                                                              |                                                                                                                                                                              |
| 1000            | NSYBCE10                                                                       | NSYSMBCE10                                                                                             |                                                                                                                                                                              |
| 1200            | NSYBCE12                                                                       | 2 x NSYSMBCE6                                                                                          |                                                                                                                                                                              |
| 1600            | NSYBCE16                                                                       | 2 x NSYSMBCE8                                                                                          |                                                                                                                                                                              |

### Lifting systems

SF



SM



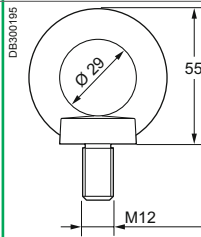
SF



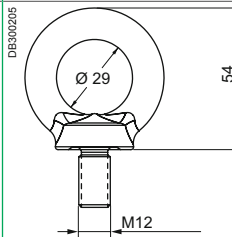
| Characteristics                                     | Eyebolts                                                                                                | Lifting brackets                                                                                                           |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Maximum amount of assembled enclosures to be lifted | 1                                                                                                       | 2                                                                                                                          |
|                                                     | Set of M12 lifting 12:12 which screw directly into the structure of the 13:13 the axis of the uprights. | Set of lifting and transport brackets, fixed to the structure between two coupled enclosures, in the axis of the uprights. |
| Material                                            | Galvanised cast steel                                                                                   | Zinc-coated steel                                                                                                          |
| Maximum load                                        | 340 kg                                                                                                  | 500 kg                                                                                                                     |
| Supply                                              | 4 eyebolts                                                                                              | 4 brackets and fixing elements (M12 screws)                                                                                |

References

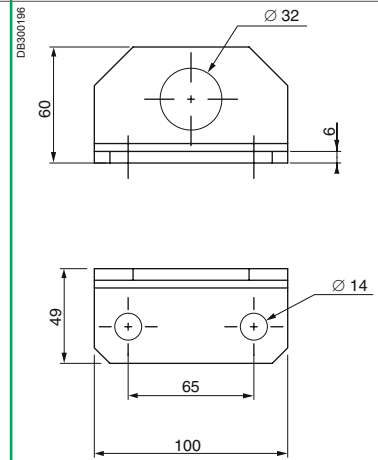
NSYSFEB



NSYSMEB



NSYSFELB

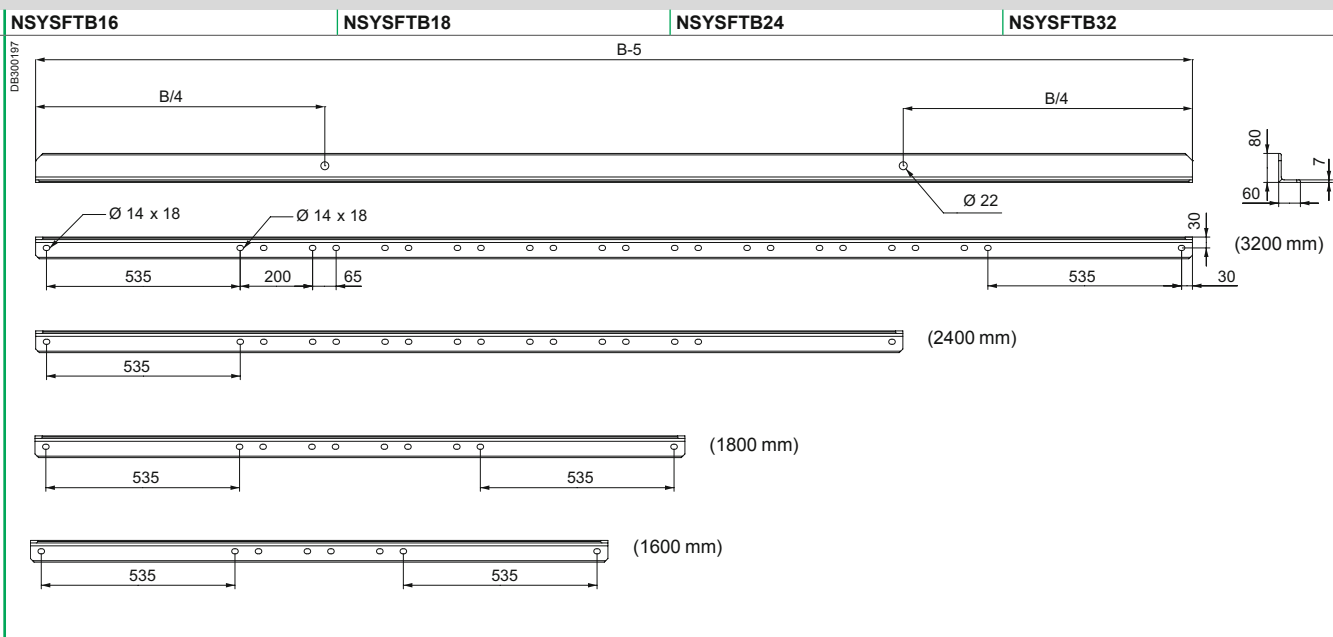


### Lifting systems

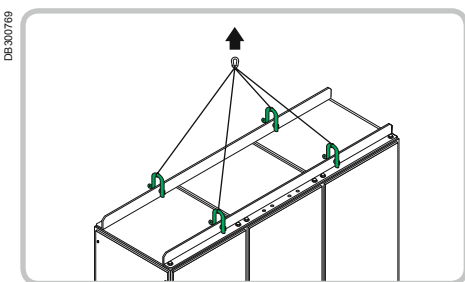
SF



| Lifting bar                                                                                                                                |                          |                          |                          |
|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|
| 2                                                                                                                                          | 3                        | 4                        | 5                        |
| Set of bars for lifting and transporting enclosures suites. They are fixed to the structure of the enclosure, in the axis of the uprights. |                          |                          |                          |
| Steel                                                                                                                                      |                          |                          |                          |
| 2000 kg (lenght 1600 mm)                                                                                                                   | 3000 kg (lenght 1800 mm) | 3000 kg (lenght 2400 mm) | 4000 kg (lenght 3200 mm) |
| 2 lifting bars and fixing elements (M12 screws)                                                                                            |                          |                          |                          |

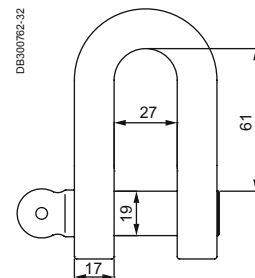


### Recommended lifting points



**Shackles**  
Lifting bar shackles.  
 ■ **Maximum load:** 1600 kg.  
 ■ **Supply:** 4 shackles.

**Reference**  
NSYSFTBS

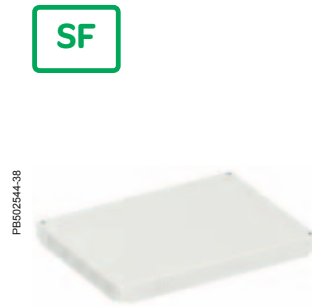


### Roof

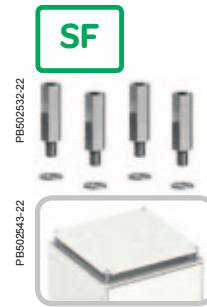


SM

SF



SF

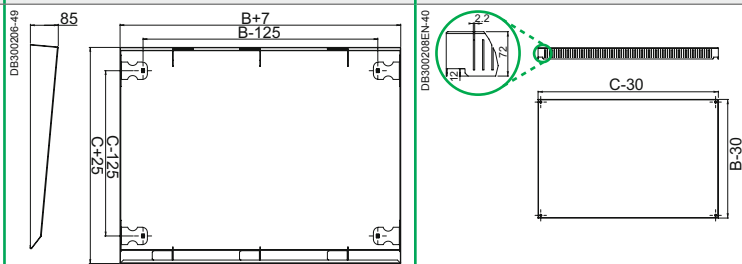
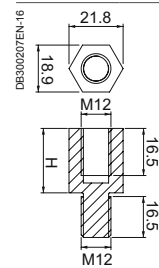


SF

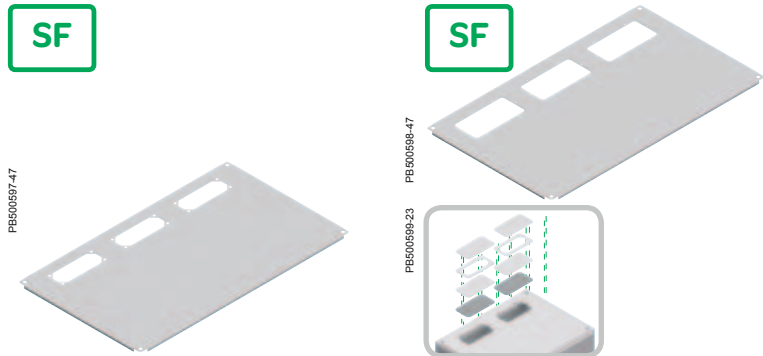
| Characteristics | Canopy                                                                                                                                                                                                                                                                                                                                | Ventilated roof                                                                                                                  |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
|                 | Provides excellent protection against splashes from rainwater. Highly recommended for outdoor applications. Not compatible with the simultaneous use of lifting elements. Spacial SF: it is possible to use a single canopy with combinations of modular enclosures (example of a 1600 mm canopy with two coupled 800-mm enclosures). | Roof providing natural ventilation for the enclosure, with IP30 protection. Height: an extra 63 mm in relation to the structure. |
| Material        | Galvanised steel                                                                                                                                                                                                                                                                                                                      | Steel                                                                                                                            |
| Finish          | Painted with polyester-epoxy resin                                                                                                                                                                                                                                                                                                    | Painted with polyester-epoxy resin                                                                                               |
| Colour          | RAL 7035 grey                                                                                                                                                                                                                                                                                                                         | RAL 7035 grey                                                                                                                    |
| Fixing          | <ul style="list-style-type: none"> <li>■ Spacial SF: fixing by drill holes to be made in the roof of the enclosure</li> <li>■ Spacial SM: fixing by drill holes already made in the roof</li> </ul>                                                                                                                                   | -                                                                                                                                |
| Supply          | One canopy, drilling template and fixing elements                                                                                                                                                                                                                                                                                     | One ventilated roof and four elevators                                                                                           |
| Width (B) (mm)  | Depth (C) (mm)                                                                                                                                                                                                                                                                                                                        | References                                                                                                                       |
| 600             | 300                                                                                                                                                                                                                                                                                                                                   | NSYSC630                                                                                                                         |
|                 | 400                                                                                                                                                                                                                                                                                                                                   | NSYSC640                                                                                                                         |
|                 | 500                                                                                                                                                                                                                                                                                                                                   | NSYSC650                                                                                                                         |
|                 | 600                                                                                                                                                                                                                                                                                                                                   | NSYSC660                                                                                                                         |
|                 | 800                                                                                                                                                                                                                                                                                                                                   | -                                                                                                                                |
| 800             | 300                                                                                                                                                                                                                                                                                                                                   | NSYSC830                                                                                                                         |
|                 | 400                                                                                                                                                                                                                                                                                                                                   | NSYSC840                                                                                                                         |
|                 | 500                                                                                                                                                                                                                                                                                                                                   | NSYSC850                                                                                                                         |
|                 | 600                                                                                                                                                                                                                                                                                                                                   | NSYSC860                                                                                                                         |
|                 | 800                                                                                                                                                                                                                                                                                                                                   | -                                                                                                                                |
| 1000            | 300                                                                                                                                                                                                                                                                                                                                   | NSYSC1030                                                                                                                        |
|                 | 400                                                                                                                                                                                                                                                                                                                                   | NSYSC1040                                                                                                                        |
|                 | 500                                                                                                                                                                                                                                                                                                                                   | NSYSC1050                                                                                                                        |
|                 | 600                                                                                                                                                                                                                                                                                                                                   | NSYSC1060                                                                                                                        |
| 1200            | 300                                                                                                                                                                                                                                                                                                                                   | NSYSC1230                                                                                                                        |
|                 | 400                                                                                                                                                                                                                                                                                                                                   | NSYSC1240                                                                                                                        |
|                 | 500                                                                                                                                                                                                                                                                                                                                   | NSYSC1250                                                                                                                        |
|                 | 600                                                                                                                                                                                                                                                                                                                                   | NSYSC1260                                                                                                                        |
| 1600            | 400                                                                                                                                                                                                                                                                                                                                   | NSYSC1640                                                                                                                        |
|                 | 500                                                                                                                                                                                                                                                                                                                                   | NSYSC1650                                                                                                                        |
|                 | 600                                                                                                                                                                                                                                                                                                                                   | NSYSC1660                                                                                                                        |
| 1800            | 500                                                                                                                                                                                                                                                                                                                                   | NSYSC1850                                                                                                                        |
|                 | 600                                                                                                                                                                                                                                                                                                                                   | NSYSC1860                                                                                                                        |
| 2000            | 500                                                                                                                                                                                                                                                                                                                                   | NSYSC2050                                                                                                                        |
|                 | 600                                                                                                                                                                                                                                                                                                                                   | NSYSC2060                                                                                                                        |
| 2400            | 500                                                                                                                                                                                                                                                                                                                                   | NSYSC2450                                                                                                                        |
|                 | 600                                                                                                                                                                                                                                                                                                                                   | NSYSC2460                                                                                                                        |

### Ventilation elevators for roof

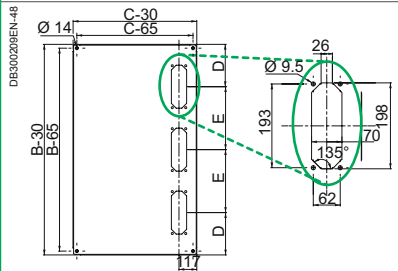
|                 | Allows the roof to be raised, providing natural ventilation. They are screwed onto the structure, at the roof fixing point. |            |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------|------------|
| Material        | Zinc-coated steel                                                                                                           |            |
| Supply          | 4 elevators                                                                                                                 |            |
| Height (H) (mm) | IP                                                                                                                          | References |
| 23              | 20                                                                                                                          | NSYRE26    |
| 60              | 10                                                                                                                          | NSYRE60    |



### Roof



| Characteristics |           |                                |     | FL21 cable-entry roof                                 | Cable-entry roof                                 |
|-----------------|-----------|--------------------------------|-----|-------------------------------------------------------|--------------------------------------------------|
|                 |           |                                |     | Roof prepared for installing FL21 cable-entry plates. | Roof prepared for installing cable-entry plates. |
| Material        |           |                                |     | Steel                                                 | Steel                                            |
| Finish          |           |                                |     | Painted with epoxy-polyester resin                    | Painted with epoxy-polyester resin               |
| Colour          |           |                                |     | RAL 7035 grey                                         | RAL 7035 grey                                    |
| Supply          |           |                                |     | One cut-out roof for the FL21 cable-entry plates      | One cut-out roof for the cable-entry plates      |
| Dimensions (mm) |           | Centre-to-centre distance (mm) |     | No. of entries                                        | References                                       |
| Width (B)       | Depth (C) | D                              | E   |                                                       |                                                  |
| 600             | 500       | 285                            | -   | 1                                                     | NSYSFLR65                                        |
|                 | 600       |                                | -   |                                                       | NSYSRCE650                                       |
| 800             | 500       | 195                            | -   | 2                                                     | NSYSFLR66                                        |
|                 | 600       |                                | -   |                                                       | NSYSRCE660                                       |
|                 | 500       | 220                            | -   | -                                                     | NSYSFLR85                                        |
|                 | 600       |                                | -   | -                                                     | NSYSRCE850                                       |
| 1000            | 500       | 195                            | 290 | 3                                                     | NSYSFLR86                                        |
|                 | 600       |                                | -   |                                                       | -                                                |
|                 | 500       | 220                            | 285 | -                                                     | NSYSFLR105                                       |
|                 | 600       |                                | -   | -                                                     | NSYSRCE1050                                      |
|                 |           |                                |     | -                                                     | NSYSFLR106                                       |
|                 |           |                                |     | -                                                     | NSYSRCE1060                                      |



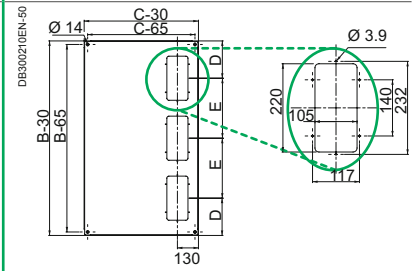
**FL21 cable-entry membranes (1)**

Membrane plate for watertight cable entries made from insulating material (fireresistance level UL94-V0).  
 Direct installation in the FL21 cable-entry plate adapter.  
 4 models: plain plate and membrane plates from 7 to 35 cable entries.

- **Material:** grey plastic.
- **Ingress protection rating:** IP65.
- **Supply:** membrane plate and fixing elements.

| No. of cable entries | References  |
|----------------------|-------------|
| Plain                | NSYAECFLBP  |
| 7                    | NSYAECFLT7  |
| 25                   | NSYAECFLT25 |
| 35                   | NSYAECFLT35 |

(1) For more information, see page 279.



**Standard cable-entry plate (1)**

| Thickness | Reference |
|-----------|-----------|
| 15/10° mm | NSYTLCL   |

**FlexiCable**

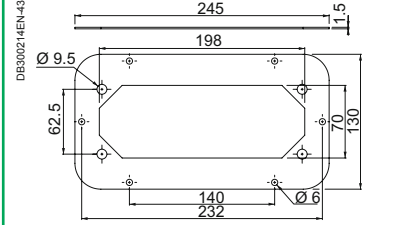
Reference  
NSYTLCLME

**Aluminium cable-entry plate**

| Thickness | Reference |
|-----------|-----------|
| 30/10° mm | NSYTLCLU  |

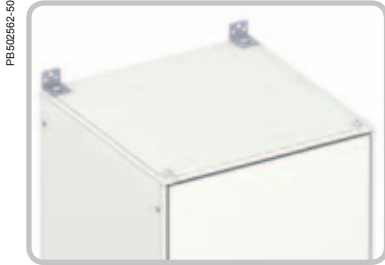
**Adapter for FL21 cable-entry plate**

| Thickness | Reference |
|-----------|-----------|
| 15/10° mm | NSYTLCLFL |



### Wall fixing

SF



SM



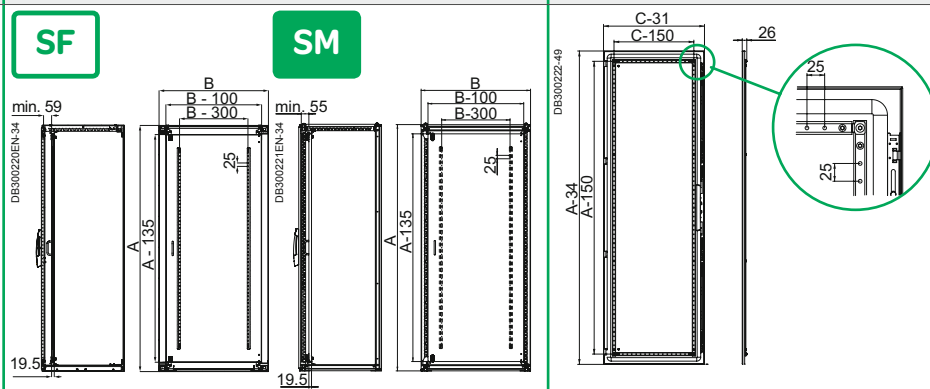
| Characteristics | Wall fixing support                                                                                                                                                                         |                                                                                                                                                                                                    |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <p>Supports for fixing the enclosure on the wall and preventing it from turning over. They cannot be used for hanging the enclosure. They are installed using the roof mounting screws.</p> | <p>Supports for fixing the enclosure on the wall and preventing it from turning over. They are installed using the drill holes in the back of the enclosure. Enclosure fixed from the outside.</p> |
| Material        | Zinc-coated steel                                                                                                                                                                           | Zinc-coated steel                                                                                                                                                                                  |
| Supply          | 2 supports                                                                                                                                                                                  | 2 supports                                                                                                                                                                                         |
| References      |                                                                                                                                                                                             |                                                                                                                                                                                                    |
|                 | <p><b>NSYSFWFIX</b></p> <p>DB30021REN-66</p>                                                                                                                                                | <p><b>NSYSMWFIX</b></p> <p>DB30021REN</p>                                                                                                                                                          |



### Doors

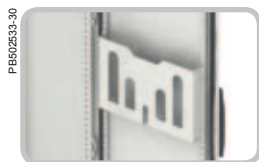


| Characteristics |            | Inner door                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Side door                                                                                                                                                                                                                                                                                                           |
|-----------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 |            | <p>Door for additional protection. Prevents the switchgear from being manipulated by unauthorised personnel. Allows the installation of switchgear mounted directly on the door.</p> <p>Mounting on the top and bottom frame of the enclosure. Depth adjustable with a pitch of 25 mm, from the first fixing point. Opening to right or left, with two locks, 3-mm double-bar, with central handle.</p> <p>Reinforcement frames on the rear, cut-outs with a 25-mm pitch, for equipping the door.</p> <p>Maximum acceptable load: 15 kg.</p> | <p>Door for the side of the enclosure, replaces the side panel. Installation directly on the structure of the enclosure, opening 120°.</p> <p>Lock with handle and 5-mm double-bar insert.</p> <p>4 locking points.</p> <p>Reinforcement frame, cut-out with a pitch of 25 mm.</p> <p>Opening to right or left.</p> |
| Material        |            | Steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Steel                                                                                                                                                                                                                                                                                                               |
| Finish          |            | Painted with epoxy-polyester resin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Painted with epoxy-polyester resin                                                                                                                                                                                                                                                                                  |
| Colour          |            | RAL 7035 grey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | RAL 7035 grey                                                                                                                                                                                                                                                                                                       |
| Supply          |            | One inner door and fixing elements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | One side door, four hinges, four catches and handle lock                                                                                                                                                                                                                                                            |
| Height (mm)     | Depth (mm) | References                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                     |
| 1200            | 600        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NSYSFD126                                                                                                                                                                                                                                                                                                           |
|                 | 800        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NSYSFD128                                                                                                                                                                                                                                                                                                           |
| 1400            | 600        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NSYSFD146                                                                                                                                                                                                                                                                                                           |
|                 | 800        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NSYSFD148                                                                                                                                                                                                                                                                                                           |
| 1600            | 600        | NSYID166                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | NSYSFD166                                                                                                                                                                                                                                                                                                           |
|                 | 800        | NSYID168                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | NSYSFD168                                                                                                                                                                                                                                                                                                           |
| 1800            | 400        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NSYSFD184                                                                                                                                                                                                                                                                                                           |
|                 | 500        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NSYSFD185                                                                                                                                                                                                                                                                                                           |
|                 | 600        | NSYID186                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | NSYSFD186                                                                                                                                                                                                                                                                                                           |
|                 | 800        | NSYID188                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | NSYSFD188                                                                                                                                                                                                                                                                                                           |
| 2000            | 1000       | NSYID1810                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                                                                                                                                                                                                                                                                                                                   |
|                 | 400        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NSYSFD204                                                                                                                                                                                                                                                                                                           |
|                 | 500        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NSYSFD205                                                                                                                                                                                                                                                                                                           |
|                 | 600        | NSYID206                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | NSYSFD206                                                                                                                                                                                                                                                                                                           |
| 2200            | 800        | NSYID208                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | NSYSFD208                                                                                                                                                                                                                                                                                                           |
|                 | 1000       | NSYID2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                                                                                                                                                                                                                                                                                                                   |
|                 | 400        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NSYSFD224                                                                                                                                                                                                                                                                                                           |
|                 | 500        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NSYSFD225                                                                                                                                                                                                                                                                                                           |
| 2200            | 600        | NSYID226                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | NSYSFD226                                                                                                                                                                                                                                                                                                           |
|                 | 800        | NSYID228                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | NSYSFD228                                                                                                                                                                                                                                                                                                           |





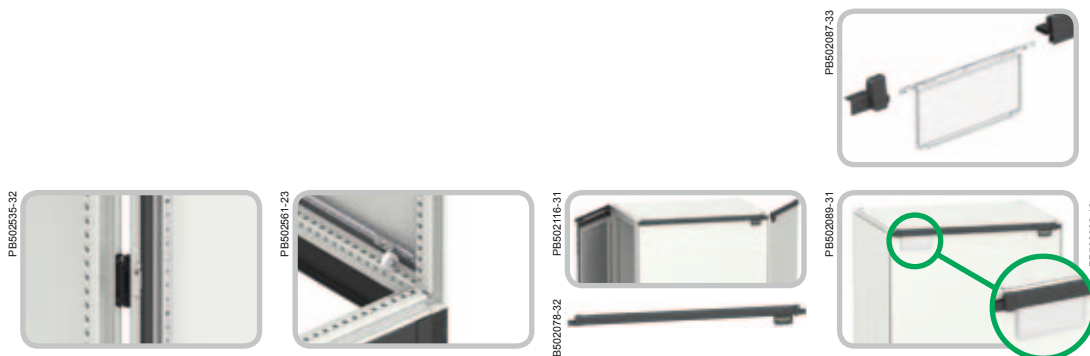
### Door accessories



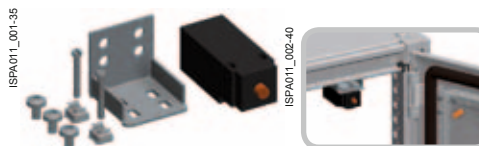
| Characteristics |     |     |    | Metal document pocket                                                                              | Plastic document pocket          | Folding support tray                                                                                                                                                                                                                            |
|-----------------|-----|-----|----|----------------------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 |     |     |    | Direct mounting on the reinforcement frame of the door.<br>Adjustable depth with a pitch of 25 mm. | Attachment by adhesive tape.     | Adjustable horizontal support for laptop computers, documents or any other element. Installation on the reinforcement frame of the door.<br>Can also be installed on the door cross rails, see page 296.<br>4 positions: 45°, 60°, 75° and 90°. |
| Material        |     |     |    | Steel                                                                                              | Polystyrene (PS)                 | Steel                                                                                                                                                                                                                                           |
| Finish          |     |     |    | Painted with polyester-epoxy resin                                                                 | -                                | Painted with epoxy-polyester resin                                                                                                                                                                                                              |
| Colour          |     |     |    | RAL 7035 grey                                                                                      | RAL 7035 grey (NSYDPA4: RAL9001) | RAL 7035 grey                                                                                                                                                                                                                                   |
| Maximum load    |     |     |    | -                                                                                                  | -                                | 30 kg                                                                                                                                                                                                                                           |
| Supply          |     |     |    | One metal document pocket and fixing elements                                                      | One plastic document pocket      | One folding support tray and fixing elements                                                                                                                                                                                                    |
| Dimensions (mm) |     |     |    | References                                                                                         |                                  |                                                                                                                                                                                                                                                 |
| Doc. format     | A   | B   | C  |                                                                                                    |                                  |                                                                                                                                                                                                                                                 |
| A5              | 174 | 188 | 22 | -                                                                                                  | <b>NSYDPA5</b>                   | -                                                                                                                                                                                                                                               |
| A4              | 230 | 247 | 23 | -                                                                                                  | <b>NSYDPA4</b>                   | -                                                                                                                                                                                                                                               |
| A4              | 234 | 278 | 40 | -                                                                                                  | <b>NSYDPA44</b>                  | -                                                                                                                                                                                                                                               |
| A3              | 285 | 476 | 35 | -                                                                                                  | <b>NSYDPA3</b>                   | -                                                                                                                                                                                                                                               |
| Width (D)       |     |     |    |                                                                                                    |                                  |                                                                                                                                                                                                                                                 |
| 500             |     |     |    | -                                                                                                  | -                                | <b>NSYSDT5</b>                                                                                                                                                                                                                                  |
| 600             |     |     |    | <b>NSYSDP6M</b>                                                                                    | -                                | <b>NSYSDT6</b>                                                                                                                                                                                                                                  |
| 800             |     |     |    | <b>NSYSDP8M</b>                                                                                    | -                                | <b>NSYSDT8</b>                                                                                                                                                                                                                                  |
|                 |     |     |    |                                                                                                    |                                  |                                                                                                                                                                                                                                                 |



### Door accessories

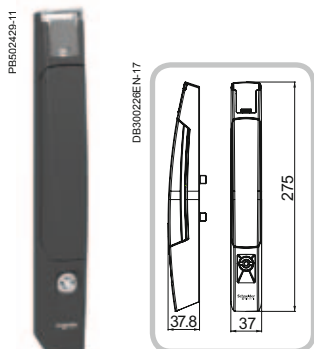


| Characteristics              |                     | 180° hinge                                                                                                                                                                            | Door-centring caster                                                                   | Trim plate                                                                                                                           | Customisable label holder                                                                                   |
|------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
|                              |                     | Hinge with opening of 180°. Intended to replace the 120° hinges installed as standard. They are compatible with the transparent door and can be installed even with enclosure suites. | Allows the door to be raised when closing. Direct mounting on the reinforcement frame. | Trim plate for Spacial SF and SM plain and transparent doors. The Schneider Electric logo can be placed on the left or on the right. | Label holder to be placed on trim plate to customise the enclosure. Delivered with a printable blank label. |
| Material                     |                     | Aluminium and zamak                                                                                                                                                                   | -                                                                                      | UV-resistant plastic                                                                                                                 | Polycarbonate (PC)                                                                                          |
| Finish                       |                     | Painted RAL 9005 black                                                                                                                                                                | -                                                                                      | -                                                                                                                                    | -                                                                                                           |
| Mechanical protection rating |                     | -                                                                                                                                                                                     | -                                                                                      | IK09                                                                                                                                 | -                                                                                                           |
| Maximum load                 |                     | 60 kg on the door                                                                                                                                                                     | 60 kg                                                                                  | -                                                                                                                                    | -                                                                                                           |
| Supply                       |                     | 4 hinges, template for making the drill holes and fixing elements                                                                                                                     | One centring roller and fixing elements                                                | 1 trim plate for single doors, 2 trim plates for double doors                                                                        | 5 label holders                                                                                             |
|                              |                     | <b>References</b>                                                                                                                                                                     |                                                                                        |                                                                                                                                      |                                                                                                             |
|                              |                     | <b>NSYSH180</b>                                                                                                                                                                       | <b>NSYSDRC</b>                                                                         | -                                                                                                                                    | <b>NSYCBLSF</b>                                                                                             |
| <b>Width (mm)</b>            | <b>No. of doors</b> | <b>References</b>                                                                                                                                                                     |                                                                                        |                                                                                                                                      |                                                                                                             |
| 300                          | 1                   | -                                                                                                                                                                                     | -                                                                                      | <b>NSYTRIM3SF</b>                                                                                                                    | -                                                                                                           |
| 400                          | 1                   | -                                                                                                                                                                                     | -                                                                                      | <b>NSYTRIM4SF</b>                                                                                                                    | -                                                                                                           |
| 500                          | 1                   | -                                                                                                                                                                                     | -                                                                                      | <b>NSYTRIM5SF</b>                                                                                                                    | -                                                                                                           |
| 600                          | 1                   | -                                                                                                                                                                                     | -                                                                                      | <b>NSYTRIM6SF</b>                                                                                                                    | -                                                                                                           |
| 700                          | 1                   | -                                                                                                                                                                                     | -                                                                                      | <b>NSYTRIM7SFP</b>                                                                                                                   | -                                                                                                           |
| 800                          | 1                   | -                                                                                                                                                                                     | -                                                                                      | <b>NSYTRIM8SF</b>                                                                                                                    | -                                                                                                           |
|                              | 2                   | -                                                                                                                                                                                     | -                                                                                      | <b>NSYTRIM8SF2D</b>                                                                                                                  | -                                                                                                           |
| 1000                         | 1                   | -                                                                                                                                                                                     | -                                                                                      | <b>NSYTRIM10SF</b>                                                                                                                   | -                                                                                                           |
|                              | 2                   | -                                                                                                                                                                                     | -                                                                                      | <b>NSYTRIM10SF2D</b>                                                                                                                 | -                                                                                                           |
| 1200                         | 2                   | -                                                                                                                                                                                     | -                                                                                      | <b>NSYTRIM12SF2D</b>                                                                                                                 | -                                                                                                           |
| 1600                         | 2                   | -                                                                                                                                                                                     | -                                                                                      | <b>NSYTRIM16SF2D</b>                                                                                                                 | -                                                                                                           |



|                   | Door switch          |                  |
|-------------------|----------------------|------------------|
|                   | For Spacial SF & SFX | For Spacial SM   |
| See page          | 295                  | 295              |
| Supply            | 1                    | 1                |
| <b>References</b> |                      |                  |
|                   | <b>NSYDCM20</b>      | <b>NSYMDCM20</b> |

### Locking system



| Characteristics | Handle for shape inserts and cylindrical barrels |
|-----------------|--------------------------------------------------|
|-----------------|--------------------------------------------------|




Easy to change the opening direction of the door, right/left.  
Space reserved for enclosure identification, 21 x 27 mm, protected by a label frame.

|                              |                                                           |
|------------------------------|-----------------------------------------------------------|
| Material                     | Handle: polyamide 6 with 30 % fibreglass, RAL 9005 colour |
| Mechanical protection rating | IK10                                                      |
| Fire resistance              | 650°C                                                     |
| Supply                       | Standard handle and fixing elements (insert not included) |

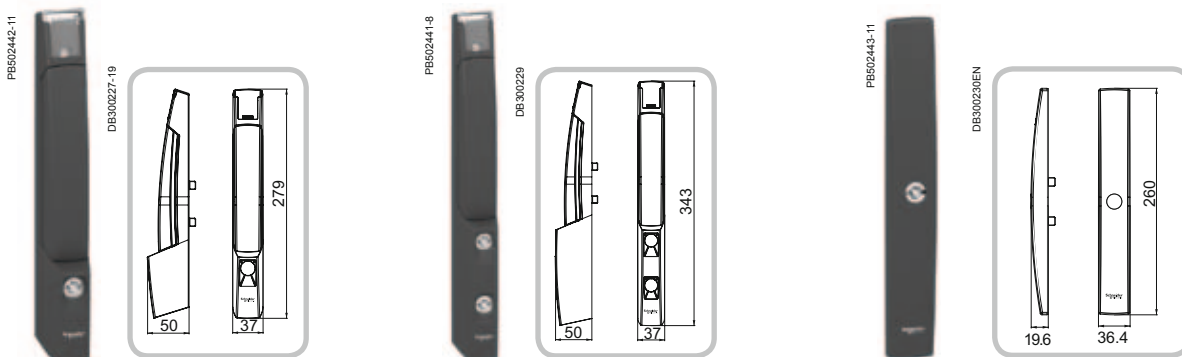
**References**

**NSYSFHS1**








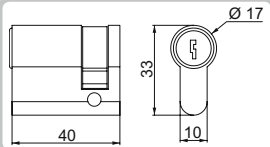
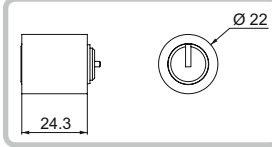
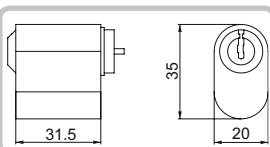

**Accessories**










|                                                                                                                | Shape inserts                  | References                 | Cylindrical barrels   | References                                                                 |
|----------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------|-----------------------|----------------------------------------------------------------------------|
|  <p>Shape inserts</p>       | 6-mm square insert             | <b>NSYINS61</b>            | 405E key lock         | <b>NSYIN405E1</b>                                                          |
|                                                                                                                | Female 6-mm square insert      | <b>NSYINS6G1</b>           | 421E key lock         | <b>NSYIN421E1</b>                                                          |
|                                                                                                                | 7-mm square insert             | <b>NSYINS71</b>            | 455 key lock          | <b>NSYIN4551</b>                                                           |
|                                                                                                                | 8-mm square insert             | <b>NSYINS81</b>            | 1242E key lock        | <b>NSYIN1242E1</b>                                                         |
|                                                                                                                | Female 8-mm square insert      | <b>NSYINS8G1</b>           | 1332E key lock        | <b>NSYIN1332E1</b>                                                         |
|  <p>Push button</p>         | 8-mm square insert with slot   | <b>NSYINS8H1</b>           | 2124E key lock        | <b>NSYIN2124E1</b>                                                         |
|                                                                                                                | 6.5-mm triangular insert       | <b>NSYINT61</b>            | 2131A key lock        | <b>NSYIN2131A1</b>                                                         |
|                                                                                                                | 7-mm triangular insert         | <b>NSYINT71</b>            | 2132A key lock        | <b>NSYIN2132A1</b>                                                         |
|                                                                                                                | 8-mm triangular insert         | <b>NSYINT81</b>            | 2331A key lock        | <b>NSYIN2331A1</b>                                                         |
|                                                                                                                | 9-mm triangular insert         | <b>NSYINT91</b>            | 2433A key lock        | <b>NSYIN2433A1</b>                                                         |
|  <p>Cylindrical barrels</p> | 10-mm triangular insert        | <b>NSYINT101</b>           | 2452E key lock        | <b>NSYIN2452E1</b>                                                         |
|                                                                                                                | 10-mm keyless hexagonal insert | <b>NSYINH31</b>            | 3113A key lock        | <b>NSYIN3113A1</b>                                                         |
|                                                                                                                | 3-mm double-bar insert         | <b>NSYINDB31</b>           | 3122E key lock        | <b>NSYIN3122E1</b>                                                         |
|                                                                                                                | 5-mm double-bar insert         | <b>NSYINDB51</b>           | 3123A key lock        | <b>NSYIN3123A1</b>                                                         |
|                                                                                                                | Daimler Benz insert            | <b>NSYINBENZ1</b>          | 3131A1 key lock       | <b>NSYIN3131A1</b> <span style="color: red; font-weight: bold;">New</span> |
|                                                                                                                | Fiat insert                    | <b>NSYINFIAT1</b>          | 3133A key lock        | <b>NSYIN3133A1</b>                                                         |
|                                                                                                                | Keyless USA slot insert        | <b>NSYINUSA1</b>           | 3422E key lock        | <b>NSYIN3422E1</b>                                                         |
|                                                                                                                | Keyless 2 x 4 slot insert      | <b>NSYIN241</b>            | 3432E key lock        | <b>NSYIN3432E1</b>                                                         |
|                                                                                                                | Crown insert                   | <b>NSYINCW1</b>            | 6101 key lock         | <b>NSYIN6101</b> <span style="color: red; font-weight: bold;">New</span>   |
|                                                                                                                | <b>Push button</b>             | <b>Reference</b>           | EDF 1300 key lock     | <b>NSYINF1301</b>                                                          |
| Push button                                                                                                    | <b>NSYINPULS1</b>              | EDF 1400 key lock          | <b>NSYINF1401</b>     |                                                                            |
|                                                                                                                |                                | Michelin 8079 keyless lock | <b>NSYINICHEL8791</b> |                                                                            |
|                                                                                                                |                                | Michelin 8133 keyless lock | <b>NSYINICHEL8131</b> |                                                                            |
|                                                                                                                |                                | Michelin 8376 keyless lock | <b>NSYINICHEL8371</b> |                                                                            |
|                                                                                                                |                                | E1 keyless lock            | <b>NSYINE11</b>       |                                                                            |

### Locking system

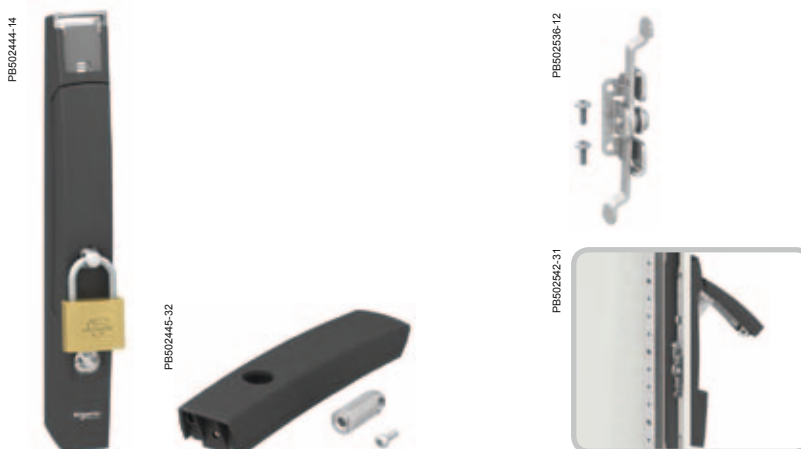


| Handles for insert types DIN, KABA, ASSA                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Flat escutcheon lock                                                                                                                                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Insert handle</b>                                                                                                                                                                                                                                                                                                                                                            | <b>Double-insert handle</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                     |
| The inserts are easily and quickly mounted without any screws and allow the installation of profiled DIN, KABA and ASSA locks. To install shape inserts or cylindrical barrels, it is necessary to add adapter ref. NSYLADP. Easy to change the opening direction of the door, right/left. Space reserved for enclosure identification, 21 x 27 mm, protected by a label frame. | The double insert handle can perform the "AND" and "OR" functions (are supplied with the handle).<br>- "AND" function: one insert blocks the activation of the other insert.<br>- "OR" function: either insert can release the handle.<br>Easy to change the opening direction of the door, right/left. Space reserved for enclosure identification, 21 x 27 mm, protected by a label frame. To install shape inserts or cylindrical barrels, it is necessary to add adapter ref. NSYLADP. | Optional flat escutcheon lock. Replaces the handle lock. Easy to change the opening direction of the door, right/left. Possibility of changing the turning direction of the insert. |
| Handle: polyamide 6 with 30 % fibreglass, RAL 9005 colour                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Polyamide 6 with 30 % fibreglass, RAL 9005 black                                                                                                                                    |
| IK10                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IK10                                                                                                                                                                                |
| 650°C                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 650°C                                                                                                                                                                               |
| One handle for DIN, KABA and ASSA inserts and fixing elements (insert not included)                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Flat lock, shape insert, key and fixing elements                                                                                                                                    |
| <b>NSYSFHD2</b>                                                                                                                                                                                                                                                                                                                                                                 | <b>NSYSFHD3</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -                                                                                                                                                                                   |

| Lock system: DIN, KABA and ASSA                                                                                                                                                                         | References                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
|  Adapter for DIN cylinder                                                                                            | <b>NSYINDIN2</b>                                                                                                            |
|  Adapter for KABA cylinder (1)                                                                                       | <b>NSYINKBA2</b>                                                                                                            |
|  Adapter for ASSA cylinder                                                                                           | <b>NSYINASSA2</b>                                                                                                           |
|  1242E key lock                                                                                                      | <b>NSYIN1242E2</b>                                                                                                          |
|  Reinforced key lock                                                                                                 | <b>NSYINKR2</b>                                                                                                             |
|  JIS key lock                                                                                                        | <b>NSYINKJIS2</b>                                                                                                           |
|  FAC key lock                                                                                                        | <b>NSYINKFAC2</b>                                                                                                           |
| <i>(1) Adapter for receiving the KABA8, KABA20 and KABA start cylinders.</i>                                                                                                                            |                                                                                                                             |
| <br>Insert dimensions for DIN adapters.                                                                              | <br>Insert dimensions for KABA adapters. |
| <br>Insert dimensions for ASSA adapters.                                                                             |                                                                                                                             |
| <br>Adapter for shape inserts and cylindrical barrels                                                                | <b>References</b><br><b>NSYLADP</b>                                                                                         |
| Plastic adapter for installing shape inserts and cylindrical barrels in handle lock types DIN, KABA, ASSA. See shape inserts and cylindrical barrels. See insert types DIN, KABA, ASSA. Supply: 1 unit. |                                                                                                                             |

| Models                                                                                                                          | References          |
|---------------------------------------------------------------------------------------------------------------------------------|---------------------|
|  Flat lock + screwdriver slot, 2-mm groove | <b>NSYSFLOCK24</b>  |
|  Flat lock + 8-mm triangular insert        | <b>NSYSFLOCKT8</b>  |
|  Flat lock + 7-mm triangular insert        | <b>NSYSFLOCKT7</b>  |
|  Flat lock + 6.5-mm triangular insert      | <b>NSYSFLOCKT6</b>  |
|  Flat lock + 8-mm female square insert     | <b>NSYSFLOCKSG8</b> |
|  Flat lock + 8-mm square insert            | <b>NSYSFLOCKS8</b>  |
|  Flat lock + 7-mm square insert            | <b>NSYSFLOCKS7</b>  |
|  Flat lock + 6-mm square insert            | <b>NSYSFLOCKS6</b>  |
|  Flat lock + 5-mm double-bar insert        | <b>NSYSFLOCKDB5</b> |

### Locking system



| Characteristics | Padlock locking                                                                                                                          | CNOMO kit                                                                                                                                                                                                                                                                          |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | Padlock locking system, for installation in all the handles of the Spacial SF and Spacial SM enclosures.<br>Bolt with 7.5-mm drill hole. | Locking system to be installed on the central locking bar of the door.<br>It works as a locking bar immobiliser, preventing the handle from closing while the door is still open.<br>It is compatible with all handle lock versions, except the flat lock and the small flat lock. |
| Supply          | One cut-out handle, bolt for padlock and bolt fixing screw                                                                               | One mechanism and fixing elements                                                                                                                                                                                                                                                  |
| References      | <b>NSYBLKH123</b>                                                                                                                        | <b>NSYCNOH123</b>                                                                                                                                                                                                                                                                  |



# Stainless-steel wall-mounting enclosures



# Stainless-steel wall-mounting enclosures

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PB60075-42



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PB60075-42



### **Associated applicative offers**

|                                                |            |
|------------------------------------------------|------------|
| <b>S3XEX</b> Potentially explosive atmospheres | <b>400</b> |
|------------------------------------------------|------------|

# Stainless-steel wall-mounting enclosures

## Introduction

PE501229.eps



### What is stainless steel?

#### How is the stainless steel grade determined?

These enclosures have been specially designed for the chemical, oil and food and beverage industries, among others, which are particularly demanding in terms of hygiene and resistance to corrosion.

#### Thanks to an elaborate composition

■ The following table shows the percentages of the main alloy elements that make up stainless steels. The resistance of the material to aggressive agents in the environment depends mainly on these alloys.

| Stainless-steel type |           | Chemical composition (%) |          |         |            |
|----------------------|-----------|--------------------------|----------|---------|------------|
| AISI grade           | N. Europe | Carbon                   | Chromium | Nickel  | Molybdenum |
| 304L                 | 1.4307    | < 0.03                   | 17 - 19  | 8 - 10  | 0          |
| 316L                 | 1.4404    | < 0.03                   | 17 - 19  | 10 - 13 | 2 - 2.25   |

PE501230



### Choosing a stainless steel grade

#### AISI 304L stainless steel

##### (known as food and beverage stainless steel)

The most commonly used type in the food and beverage industry for its resistance to corrosion and easy cleaning.

- Prevention against corrosion, especially in the presence of organic acids.
- Resistance to the action of nitrous gas in the presence of condensation water and in most aggressive environments.

PE501231



#### AISI 316L stainless steel (known as marine stainless steel)

Recommended in salty or chlorinated environments due to its very high resistance to corrosion thanks to the presence of molybdenum.

- Improved resistance to corrosion.
- Particularly well adapted to environments charged with acidity, bromine and saline halides or which use very corrosive additives and solvents.

# Stainless-steel wall-mounting enclosures

## Introduction

### The finish

#### The finish: 3 solutions against aggressive environmental agents

Surface condition plays an important role in the fight against bacteria.

The lower the roughness, the fewer bacteria become incrustated.

Reduced roughness means fewer bacteria, less adherence of materials and an impeccable finish.

To choose a finish is also to choose an appearance of the enclosures that matches the environment of other machines and equipment.

#### > Solution 1: Scotch-Brite® brushing

The method used consists of brushing as defined by the ASTM (American Society for Testing and Material).

- Finish very commonly used for the chemical and food and beverage industries.
- Surface roughness is improved thanks to an additional polishing process which offers more efficient characteristics against polluting elements.
- Surface roughness,  $Ra \leq 0.8 \mu m$ .



#### > Solution 2: Micro-beading (on request)

Exclusiveness, an impeccable finish with smooth silky appearance.

The method:

- Bombardment with miniscule ceramic balls of the entire surface to be treated at very high speed.
- Closes micro-cracks caused during lamination by flattening.

The result:

- Increased hardness.
- Reduced surface roughness ( $Ra \approx 0.8 \mu m$ ).
- A perfectly even surface, with a silky appearance (no scratches and no burrs).
- Reduces the adherence of materials.
- Allows disinfection.

Typical application: pharmaceutical and food and beverage industries.



#### > Solution 3: Protective painting (on request)

The highest protection against aggressions, external pollution and projections of metal particles.

- Provides the ultimate protection against corrosion.

Typical applications: marine, seaside, off-shore.



# Stainless-steel wall-mounting enclosures

## Introduction

➤ These enclosures have been specially designed for the chemical, oil and food and beverage industries, among others, which are particularly demanding in terms of hygiene and resistance to corrosion.



PB500075-75

PB501225-31



### Finishes

- Two types of steel offered as standard: 304L and 316L, with Scotch-Brite® brushed finish.
- Painted or micro-beaded finish (on request).

PB501239



### Large range of accessories

- Stainless-steel accessories: canopy, wall-fixing lugs.
- Accessories of the standard offer: mounting plate, inner door, modular chassis and step slides.
- Large selection of locks with 100 % stainless-steel transformation.

PB501240-60



### Sealing

- Protection rating of IP66 (1 door) or IP55 (2 doors) according to IEC 60529: complete protection against dust and water sprays.
- Polyurethane gasket.
- Gutter-shaped front profile.
- Three closure points for the double door.

PB501241



### Robustness and durability

- Resistance to external mechanical impacts:
  - IK10: plain door,
  - IK08: glazed door.
- Door reinforcement frame or profile.
- Stainless-steel hinges.

PB501242-45



### Convenience and time saving

- 304 or 316L stainless-steel wall-fixing lugs.
- Vertical reinforcement perforated profiles, which make it easier to equip the door.
- Reversible door opening to 120°.
- Easy installation directly on the machine thanks to the 4 rear drill holes.

This range can be configured according to your needs

4 different services available:



Assemble to order



Mounting of standard accessories



Painting

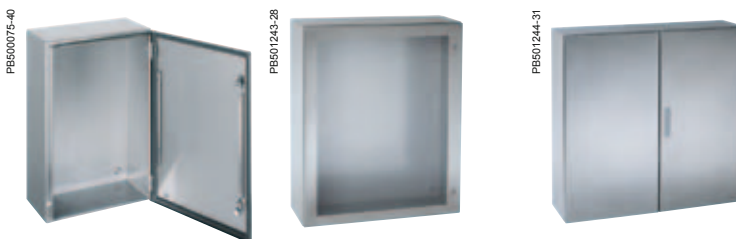


Machining

See page 450 for details or consult our web site [www.schneider-electric.com](http://www.schneider-electric.com)

# Stainless-steel wall-mounting enclosures

## Characteristics



| Characteristics                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 304L stainless-steel       |                                                         | 316L stainless-steel                                                 |                                                                      |               |               |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------------------|---------------|---------------|
|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Enclosure with plain door. | Enclosure with glazed door, Securit® glass, 4 mm thick. | Enclosure with plain door.                                           |                                                                      |               |               |
| Material                        | AISI 304L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                            | AISI 316L                                               |                                                                      |                                                                      |               |               |
| Finish                          | Scotch-Brite® brushed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                            |                                                         |                                                                      |                                                                      |               |               |
| Thickness                       | 10/10° - 15/10° mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                            |                                                         |                                                                      |                                                                      |               |               |
| Ingress protection rating       | IP66 (1 door) or IP55 (2 doors)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                            |                                                         |                                                                      |                                                                      |               |               |
| Mechanical protection rating    | IK10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | IK08                       | IK10                                                    |                                                                      |                                                                      |               |               |
| Standards                       | <ul style="list-style-type: none"> <li>■ IEC 62208</li> <li>■ UL 508A</li> <li>■ CAN/CSA 22</li> <li>■ NEMA</li> <li>□ 1 door enclosure: type 1, 2, 3, 3R, 4, 4X, 5, 12, 13</li> <li>□ 2 doors enclosure: type 1, 12, 12K</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                            |                                                         |                                                                      |                                                                      |               |               |
| Certifications                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                            |                                                         |                                                                      |                                                                      |               |               |
| Installation                    | Outdoor installation: compliant with IEC 62208 regarding type tests specified in §9.12 (resistance to ultra-violet (UV) radiation) and §9.13 (resistance to corrosion). It is always advisable to install a canopy to avoid water stagnation on the upper part of the enclosure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                            |                                                         |                                                                      |                                                                      |               |               |
| Other characteristics           | <ul style="list-style-type: none"> <li>■ Single-piece body (cross-shaped structure). Gutter-shaped front profile</li> <li>■ 4 rear studs for fixing the material</li> <li>■ 2 cut-out vertical profiles on the door (from a height of 600 mm), with drill holes with a diameter of 4.25 mm and a pitch of 25 mm for installing accessories</li> <li>■ Door strengthening frame (from a height of 1000 mm), cross-section of 20 mm x 15 mm, with drill holes with a diameter of 5 mm and a pitch of 25 mm</li> <li>■ Standard lock with 3-mm double-bar lock (chrome-plated zamak)</li> <li>■ 2 locking points for heights of more than 500 mm or three points for two-door enclosures</li> <li>■ Stainless-steel hinges screwed to the body of the enclosure. They make it easier to remove and invert the door. Opening angle: 120°</li> <li>■ Maximum load on the door: 50 kg/m²</li> <li>■ Polyurethane gasket</li> <li>■ M6 x 16 screws on the door and on the body, allowing equipotential connection between the earth connections (on request)</li> <li>■ 4 holes for fixing to the wall directly or with the help of mounting lugs (on request), blocked by sealing plugs</li> </ul> |                            |                                                         |                                                                      |                                                                      |               |               |
| <b>External dimensions (mm)</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>References</b>          |                                                         |                                                                      |                                                                      |               |               |
| Height                          | Width                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Depth                      | No. of locks                                            | No. of doors                                                         | Plain door                                                           | Glazed door** | Plain door    |
| 300                             | 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 150                        | 1                                                       | 1                                                                    | NSYS3X3215                                                           | -             | NSYS3X3215H   |
|                                 | 250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 150                        | 1                                                       | 1                                                                    | NSYS3X302515                                                         | -             | NSYS3X302515H |
|                                 | 300                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 150                        | 1                                                       | 1                                                                    | NSYS3X3315                                                           | -             | NSYS3X3315H   |
| 400                             | 300                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 150                        | 1                                                       | 1                                                                    | NSYS3X4315                                                           | -             | NSYS3X4315H   |
|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 200                        | 1                                                       | 1                                                                    | NSYS3X4320                                                           | NSYS3X4320T   | NSYS3X4320H   |
|                                 | 400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 200                        | 1                                                       | 1                                                                    | NSYS3X4420                                                           | -             | NSYS3X4420H   |
| 600                             | 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1                          | 1                                                       | NSYS3X4620                                                           | -                                                                    | NSYS3X4620H   |               |
| 500                             | 400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 200                        | 2                                                       | 1                                                                    | NSYS3X5420                                                           | NSYS3X5420T   | NSYS3X5420H   |
| 600                             | 400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 200                        | 2                                                       | 1                                                                    | NSYS3X6420                                                           | NSYS3X6420T   | NSYS3X6420H   |
|                                 | 600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 250                        | 2                                                       | 1                                                                    | NSYS3X6625                                                           | -             | NSYS3X6625H   |
|                                 | 1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 300                        | 1                                                       | 2                                                                    | NSYS3X601030 <span style="color: red; font-weight: bold;">New</span> | -             | -             |
| 1200                            | 300                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1                          | 2                                                       | NSYS3X601230 <span style="color: red; font-weight: bold;">New</span> | -                                                                    | -             |               |
| 700                             | 500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 250                        | 2                                                       | 1                                                                    | NSYS3X7525                                                           | NSYS3X7525T   | NSYS3X7525H   |
| 800                             | 600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 250                        | 2                                                       | 1                                                                    | NSYS3X8625                                                           | NSYS3X8625T   | NSYS3X8625H   |
|                                 | 800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 300                        | 2                                                       | 1                                                                    | NSYS3X8830                                                           | -             | NSYS3X8830H   |
|                                 | 1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 300                        | 1                                                       | 2                                                                    | NSYS3X801030 <span style="color: red; font-weight: bold;">New</span> | -             | -             |
| 1200                            | 300                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1                          | 2                                                       | NSYS3X801230 <span style="color: red; font-weight: bold;">New</span> | -                                                                    | -             |               |
| 1000                            | 800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 300                        | 2                                                       | 1                                                                    | NSYS3X10830                                                          | NSYS3X10830T  | NSYS3X10830H  |
|                                 | 1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 300                        | *                                                       | 2                                                                    | NSYS3X101030                                                         | -             | NSYS3X101030H |
| 1200                            | 800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 300                        | 2                                                       | 1                                                                    | NSYS3X12830                                                          | -             | NSYS3X12830H  |
|                                 | 1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 300                        | *                                                       | 2                                                                    | NSYS3X121030                                                         | -             | NSYS3X121030H |

\* Three-point closure system.

\*\* The glazed door has no reinforcement.

# Stainless-steel wall-mounting enclosures

## Dimensions

| External dimensions (mm) |      |     | Fig. |
|--------------------------|------|-----|------|
| A                        | B    | C   |      |
| 300                      | 200  | 150 | 1    |
|                          | 250  | 150 | 1    |
|                          | 300  | 150 | 1    |
| 400                      | 300  | 150 | 1    |
|                          | 300  | 200 | 1    |
|                          | 400  | 200 | 1    |
|                          | 600  | 200 | 1    |
| 500                      | 400  | 200 | 2*   |
| 600                      | 400  | 200 | 2    |
|                          | 600  | 250 | 2    |
|                          | 1000 | 300 | 4    |
|                          | 1200 | 300 | 4    |
| 700                      | 500  | 250 | 2    |
| 800                      | 600  | 250 | 2    |
|                          | 800  | 300 | 2    |
|                          | 1000 | 300 | 4    |
|                          | 1200 | 300 | 4    |
| 1000                     | 800  | 300 | 3    |
|                          | 1000 | 300 | 4    |
| 1200                     | 800  | 300 | 3    |
|                          | 1000 | 300 | 4    |

\* Without door reinforcement.

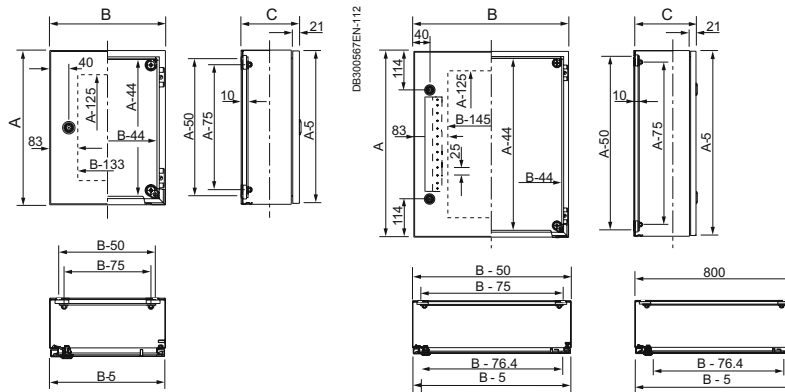


Fig. 1

Fig. 2

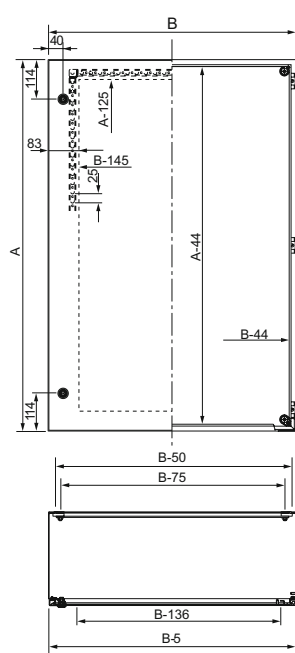


Fig. 3

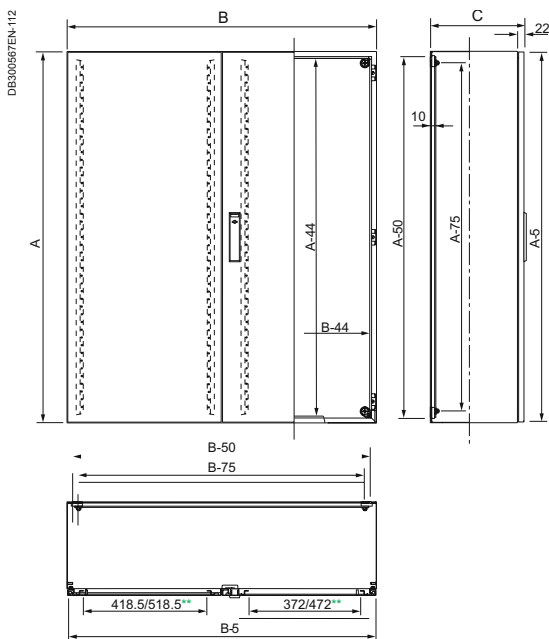
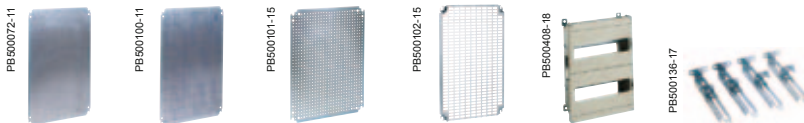


Fig. 4

\*\* For glazed door.

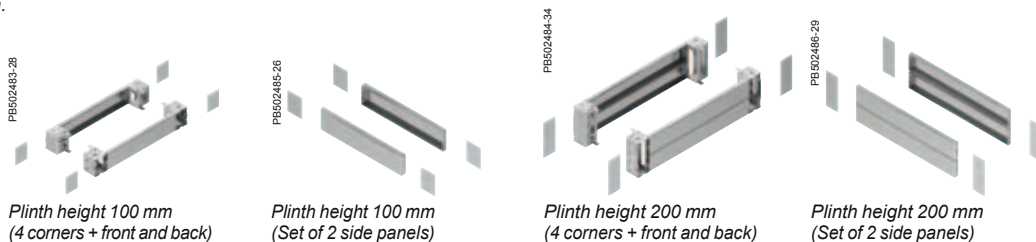
# Stainless-steel wall-mounting enclosures

## Accessories



| External dimensions (mm) |       |       | No. of modules | References     |              |                 |           |           |             |
|--------------------------|-------|-------|----------------|----------------|--------------|-----------------|-----------|-----------|-------------|
| Height                   | Width | Depth |                | Mounting plate |              |                 |           |           |             |
|                          |       |       |                | Plain          | Silkscreened | Microperforated | Telequick | Modular   | Step slides |
| 300                      | 200   | 150   | -              | NSYMM32        | -            | NSYMF32         | NSYMR32   | -         | -           |
|                          |       | 250   | -              | NSYMM3025      | -            | -               | NSYMR3025 | -         | -           |
|                          |       | 300   | -              | NSYMM33        | -            | NSYMF33         | NSYMR33   | -         | -           |
| 400                      | 300   | 150   | 24             | NSYMM43        | NSYMS43      | NSYMF43         | NSYMR43   | NSYDLM24  | -           |
|                          |       | 200   | 24             | NSYMM43        | NSYMS43      | NSYMF43         | NSYMR43   | NSYDLM24  | NSYSDCR200  |
|                          |       | 400   | -              | NSYMM44        | NSYMS44      | NSYMF44         | NSYMR44   | -         | NSYSDCR200  |
| 500                      | 400   | 200   | -              | NSYMM64        | NSYMS64      | NSYMF64         | NSYMR64   | NSYDLM48P | NSYSDCR200  |
|                          |       | 250   | 84             | NSYMM66        | NSYMS66      | NSYMF66         | NSYMR66   | NSYDLM84P | NSYSDCR250  |
|                          |       | 600   | -              | NSYMM106       | -            | NSYMF106        | NSYMR106  | -         | NSYSDCR300  |
| 600                      | 400   | 200   | -              | NSYMM106       | -            | NSYMF106        | NSYMR106  | -         | NSYSDCR300  |
|                          |       | 250   | 66             | NSYMM75        | NSYMS75      | NSYMF75         | NSYMR75   | NSYDLM66  | NSYSDCR250  |
|                          |       | 300   | 84             | NSYMM86        | NSYMS86      | NSYMF86         | NSYMR86   | NSYDLM84  | NSYSDCR250  |
| 700                      | 500   | 250   | 66             | NSYMM88        | -            | NSYMF88         | NSYMR88   | -         | NSYSDCR300  |
|                          |       | 300   | -              | NSYMM108       | -            | NSYMF108        | NSYMR108  | -         | NSYSDCR300  |
|                          |       | 300   | -              | NSYMM108       | -            | NSYMF108        | NSYMR108  | -         | NSYSDCR300  |
| 800                      | 600   | 250   | 84             | NSYMM108       | -            | NSYMF108        | NSYMR108  | -         | NSYSDCR300  |
|                          |       | 300   | -              | NSYMM108       | -            | NSYMF108        | NSYMR108  | -         | NSYSDCR300  |
|                          |       | 300   | -              | NSYMM108       | -            | NSYMF108        | NSYMR108  | -         | NSYSDCR300  |
| 1000                     | 800   | 300   | 234            | NSYMM108       | -            | NSYMF108        | NSYMR108  | NSYDLM240 | NSYSDCR300  |
|                          |       | 1000  | -              | NSYMM1010      | -            | NSYMF1010       | NSYMR1010 | -         | NSYSDCR300  |
|                          |       | 1200  | -              | NSYMM128       | -            | NSYMF128        | NSYMR128  | -         | NSYSDCR300  |
| 1200                     | 800   | 300   | -              | NSYMM1210      | -            | NSYMF1210       | NSYMR1210 | -         | NSYSDCR300  |
|                          |       | 300   | -              | NSYMM1210      | -            | NSYMF1210       | NSYMR1210 | -         | NSYSDCR300  |

\* Three-point closure system.



| Characteristics          |           | Plinths                                                                                                                            |                                  |                      |                                  |                            |                                  |                      |                                  |                           |
|--------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------------|----------------------------------|----------------------------|----------------------------------|----------------------|----------------------------------|---------------------------|
| Material                 |           | Stainless-steel, AISI 304L                                                                                                         |                                  |                      |                                  | Stainless-steel, AISI 316L |                                  |                      |                                  |                           |
| Finish                   |           | Scotch-Brite® brushing, to guarantee the durability in application where the contact with the floor increase the risk of corrosion |                                  |                      |                                  |                            |                                  |                      |                                  |                           |
| Installation             |           | It is necessary to order separately the plinth fixing kit (ref. NSYAPFXWM) composed by fixing hardware and drilling jig            |                                  |                      |                                  |                            |                                  |                      |                                  |                           |
| External dimensions (mm) |           |                                                                                                                                    | Plinth height 100 mm             |                      | Plinth height 200 mm             |                            | Plinth height 100 mm             |                      | Plinth height 200 mm             |                           |
| Height (A)               | Width (B) | Depth (C)                                                                                                                          | Kit (4 corners + front and back) | Set of 2 side panels | Kit (4 corners + front and back) | Set of 2 side panels (x2)  | Kit (4 corners + front and back) | Set of 2 side panels | Kit (4 corners + front and back) | Set of 2 side panels (x2) |
| 800                      | 800       | 300                                                                                                                                | NSYSFPX8100                      | NSYSPSX3100          | NSYSFPX8200                      | NSYSPSX3200                | NSYSFPX8100H                     | NSYSPSX3100H         | NSYSFPX8200H                     | NSYSPSX3200H              |
|                          |           | 1000                                                                                                                               | NSYSFPX10100                     | NSYSPSX3100          | NSYSFPX10200                     | NSYSPSX3200                | NSYSFPX10100H                    | NSYSPSX3100H         | NSYSFPX10200H                    | NSYSPSX3200H              |
| 1200                     | 800       | 300                                                                                                                                | NSYSFPX8100                      | NSYSPSX3100          | NSYSFPX8200                      | NSYSPSX3200                | NSYSFPX8100H                     | NSYSPSX3100H         | NSYSFPX8200H                     | NSYSPSX3200H              |
|                          |           | 1000                                                                                                                               | NSYSFPX10100                     | NSYSPSX3100          | NSYSFPX10200                     | NSYSPSX3200                | NSYSFPX10100H                    | NSYSPSX3100H         | NSYSFPX10200H                    | NSYSPSX3200H              |



|            | Cable entries | Adhesive plastic document pocket | Door switch | Lighting | Clip-on nuts | Blanking plate for modular chassis | Plain mounting plate screw | Self-tapping screw |            |         |
|------------|---------------|----------------------------------|-------------|----------|--------------|------------------------------------|----------------------------|--------------------|------------|---------|
|            |               |                                  |             |          |              |                                    |                            | M6 x 16            | M5 x 13    | M5 x 16 |
| See page   | 266           | 295                              | 295         | 292      | 246          | 249                                | -                          | -                  | -          | -       |
| Supply     | 10            | 1                                | 1           | 1        | 100          | 1                                  | 100                        | 100                | 100        | 100     |
| References |               |                                  |             |          |              |                                    |                            |                    |            |         |
|            | -             | NSYDPA44                         | NSYINLCRN   | NSYLAMCS | NSYKNM6      | NSYATP72MS                         | NSYS16M6HS                 | NSYS13M5HS         | NSYS16M5HS |         |

# Stainless-steel wall-mounting enclosures

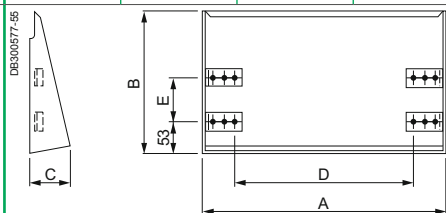
## Accessories



### Canopy

|              |                                                      |
|--------------|------------------------------------------------------|
| Material     | 304L stainless-steel sheet                           |
| Finish       | Scotch-Brite® brushed                                |
| Thickness    | 15/10* mm                                            |
| Installation | Direct fixing to the body of the enclosure           |
| Supply       | Delivered with the fixings required for installation |

| No. of locks | No. of doors | For wall-mounting enclosures (mm) |       |       | Dimensions (mm) |     |     |      |     | References |           |
|--------------|--------------|-----------------------------------|-------|-------|-----------------|-----|-----|------|-----|------------|-----------|
|              |              | Height                            | Width | Depth | A               | B   | C   | D    | E   |            |           |
| 1            | 1            | 300                               | 200   | 150   | 205             | 183 | 51  | 120  | -   | NSYTX2015  |           |
|              |              |                                   | 250   | 150   | 205             | 183 | 51  | 120  | -   | NSYTX2515  |           |
|              |              |                                   | 300   | 150   | 305             | 183 | 51  | 220  | -   | NSYTX3015  |           |
|              |              | 400                               | 300   | 150   | 305             | 183 | 51  | 220  | -   | NSYTX3015  |           |
|              |              |                                   | 300   | 200   | 305             | 233 | 51  | 220  | 70  | NSYTX3020  |           |
|              |              |                                   | 400   | 200   | 405             | 233 | 70  | 320  | 70  | NSYTX4020  |           |
| 2            | 1            | 500                               | 400   | 200   | 405             | 233 | 70  | 320  | 70  | NSYTX4020  |           |
|              |              |                                   | 600   | 400   | 200             | 405 | 233 | 70   | 320 | 70         | NSYTX4020 |
|              |              |                                   | 600   | 250   | 605             | 283 | 70  | 520  | 120 | NSYTX6025  |           |
| *            | 2            | 600                               | 1000  | 300   | 1005            | 333 | 70  | 920  | 170 | NSYTX10030 |           |
|              |              |                                   | 1200  | 300   | 1205            | 333 | 70  | 1120 | 120 | NSYTX12030 |           |
| 2            | 1            | 600                               | 1200  | 300   | 1205            | 333 | 70  | 1120 | 120 | NSYTX12030 |           |
|              |              |                                   | 700   | 500   | 250             | 505 | 283 | 70   | 420 | 120        | NSYTX5025 |
|              |              |                                   | 800   | 600   | 250             | 605 | 283 | 70   | 520 | 120        | NSYTX6025 |
|              |              |                                   | 800   | 300   | 805             | 333 | 70  | 720  | 170 | NSYTX8030  |           |
| *            | 2            | 800                               | 1000  | 300   | 1005            | 333 | 70  | 920  | 170 | NSYTX10030 |           |
|              |              |                                   | 1200  | 300   | 1205            | 333 | 70  | 1120 | 120 | NSYTX12030 |           |
| 2            | 1            | 800                               | 1200  | 300   | 1205            | 333 | 70  | 1120 | 170 | NSYTX12030 |           |
|              |              |                                   | 1000  | 800   | 300             | 805 | 333 | 70   | 720 | 170        | NSYTX8030 |
| *            | 2            | 1000                              | 1000  | 300   | 1005            | 333 | 70  | 920  | 170 | NSYTX10030 |           |
| 2            | 1            | 1200                              | 800   | 300   | 805             | 333 | 70  | 720  | 170 | NSYTX8030  |           |
| *            | 2            | 1200                              | 1000  | 300   | 1005            | 333 | 70  | 920  | 170 | NSYTX10030 |           |

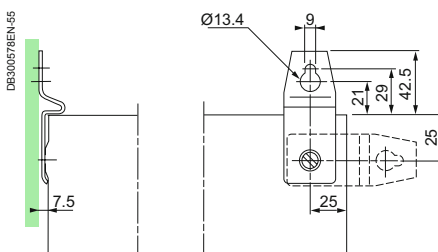


\* Three-point locking system.



### Wall-fixing lugs

|              |                                                                                                                                                            |          |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Material     | 304 or 316L stainless-steel                                                                                                                                |          |
| Installation | <ul style="list-style-type: none"> <li>■ Mounting of the wall-fixing lugs in horizontal or vertical position</li> <li>■ Fixing from the outside</li> </ul> |          |
| Maximum load | 150 kg                                                                                                                                                     |          |
| Supply       | Set of four wall-fixing lugs                                                                                                                               |          |
| References   | 304L                                                                                                                                                       | 316L     |
|              | NSYPFCX                                                                                                                                                    | NSYPFC2X |





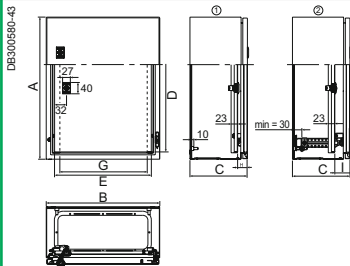
# Stainless-steel wall-mounting enclosures

## Accessories



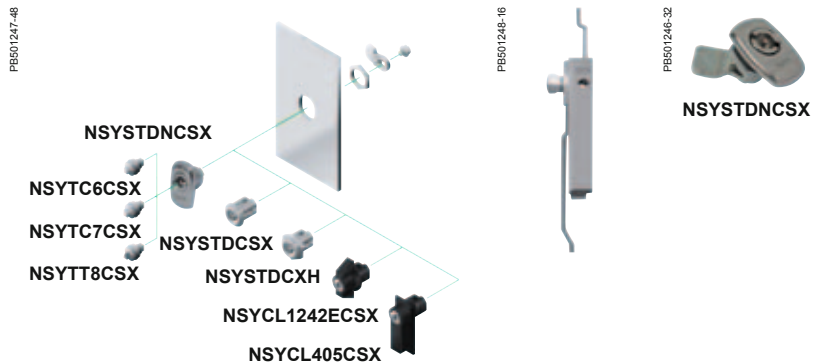
### Inner door

|                                          |                                                                                                                                                                                                                                                                                                                                                                                  |                   |          |          |          |                 |            |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|----------|----------|-----------------|------------|
| Installation                             | <ul style="list-style-type: none"> <li>3-mm double-bar lock.</li> <li>Not compatible with door retainer and door switch. Consult us.</li> <li>As standard it can be mounted an inner door and a mounting plate, on the step slides, at the same time</li> <li>Can be mounted either on the front side of the enclosure or on step slides (not supplied with standard)</li> </ul> |                   |          |          |          |                 |            |
| Maximum load                             | 30 kg/m <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                             |                   |          |          |          |                 |            |
| Supply                                   | 1 inner door                                                                                                                                                                                                                                                                                                                                                                     |                   |          |          |          |                 |            |
| <b>For wall-mounting enclosures (mm)</b> | <b>Dimensions (mm)</b>                                                                                                                                                                                                                                                                                                                                                           | <b>References</b> |          |          |          |                 |            |
| <b>Height (A)</b>                        | <b>Width (B)</b>                                                                                                                                                                                                                                                                                                                                                                 | <b>D</b>          | <b>E</b> | <b>G</b> | <b>H</b> | <b>I (min.)</b> |            |
| 400                                      | 300                                                                                                                                                                                                                                                                                                                                                                              | 349               | 241      | 208      | 32       | 51              | NSYPIN43   |
| 500                                      | 400                                                                                                                                                                                                                                                                                                                                                                              | 449               | 341      | 308      | 32       | 51              | NSYPIN54   |
| 600                                      | 400                                                                                                                                                                                                                                                                                                                                                                              | 549               | 341      | 308      | 32       | 51              | NSYPIN64   |
| 700                                      | 500                                                                                                                                                                                                                                                                                                                                                                              | 649               | 441      | 408      | 32       | 51              | NSYPIN75   |
| 800                                      | 600                                                                                                                                                                                                                                                                                                                                                                              | 749               | 541      | 508      | 32       | 51              | NSYPIN86*  |
| 1000                                     | 800                                                                                                                                                                                                                                                                                                                                                                              | 949               | 741      | 708      | 32       | 51              | NSYPIN108* |
| 1200                                     | 800                                                                                                                                                                                                                                                                                                                                                                              | 1149              | 741      | 708      | 32       | 52              | NSYPIN128* |



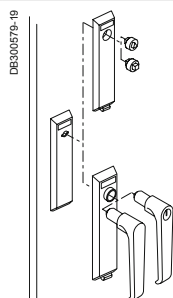
- NSYPIN inner door fixed directly to the enclosure.
- NSYPIN inner door fixed to the adjustable NSYSDCR support. In this case, both the inner door and the mounting plate may be depth adjustable.

\* Equipped with welded vertical profiles in order to facilitate cable management.



### Escutcheon

| Type              | Double-bar lock     |                       |                       | Insert             |                |                     | Handle lock   |             |                                             |                     |
|-------------------|---------------------|-----------------------|-----------------------|--------------------|----------------|---------------------|---------------|-------------|---------------------------------------------|---------------------|
|                   | Standard<br>3 mm    | Round<br>3 mm (spare) | 3 mm                  | Triangular<br>8 mm | Square<br>7 mm | 6 mm                | 1242E         | 405         | 610<br><span style="color: red;">New</span> | Screw driver insert |
| Material          | Chrome-plated zamak |                       | 100 % stainless-steel |                    |                | Chrome-plated zamak | Polyamide     |             | 100 % stainless-steel                       |                     |
| Protection rating | IP66                |                       |                       |                    |                |                     |               |             |                                             |                     |
| References        | NSYSTDNCSX          | NSYSTDCSX             | NSYSTDCXH             | NSYTT8CSX          | NSYTC7CSX      | NSYTC6CSX           | NSYCL1242ECSX | NSYCL405CSX | NSYCL610CSX                                 | NSYTSML             |



For the closures of double-door enclosures, contact us.

# Stainless-steel floor-standing enclosures

# Stainless-steel floor-standing enclosures

## Contents

P8500138-26



P8502731-22



|                                                  |            |
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# Stainless-steel floor-standing enclosures

## Introduction

➤ These enclosures have been specially designed for the chemical, oil and food and beverage industries, among others, which are particularly demanding in terms of hygiene and resistance to corrosion.

### SMX



PB50138-43

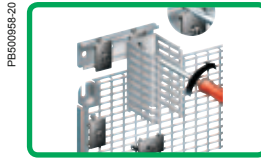
### SFX



PB502730-30



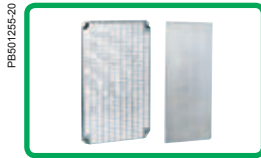
PB501232-36



PB500958-20



PB500141-80



PB501255-20



PB501228-85



PB501241-40



PB501232-36

### Material and finishes

#### Stainless-steel grade:

- AISI 304L and 316L as standard (Spacial SMX).
- AISI 316L (on request) (Spacial SFX).

#### Finishes:

- Scotch-Brite® brushed (standard).
- Micro-beaded (on request).
- Painted (on request).

### Convenience and time saving

- Complete range of accessories for installation, cable management, etc.
- 316L stainless-steel plinth: easy cable entry (Spacial SMX).
- 304L or 316L stainless-steel plinth: easy cable entry (Spacial SFX).
- Reversible door opening to 120°.
- Padlock lock with key or form insert.
- Adjustment rails perforated with a pitch of 25 mm.
- Perforated reinforcement frame allowing accessories to be mounted on the door.

### Sealing

- Protection rating of IP55 (IEC 60529): complete protection against dust and water sprays.
- 3-point closures.
- Canopy (optional):
  - protects the sealing plane of the door,
  - guarantees correct water drainage,
  - no stagnation on the top.
- Single-piece cable-gland plate with polyurethane gasket.

### Compatible with the other ranges

- The mounting plates and other accessories of the Spacial SM and SF standards metal offers.

### Hygiene

- The high quality of the standard finish enables very easy maintenance while avoiding contamination.
- The hygienic feet made from 316L stainless-steel, adjustable between 140 mm and 200 mm height, make it easier to clean under the enclosures.

### Robustness and durability

- Resistance to external mechanical impacts: IK10 according to IEC 62262.
- 3 hinges made entirely from stainless-steel.
- Door reinforcement frame.

### Resistance to corrosion

- High resistance to corrosion. 304L and 316L stainless-steels provide the best solutions for applications in extremely demanding environments.

This range can be configured according to your needs

4 different services available:



Assemble to order



Mounting of standard accessories



Painting



Machining

See page 450 for details or consult our web site [www.schneider-electric.com](http://www.schneider-electric.com)

# Stainless-steel floor-standing enclosures

## Characteristics



| Characteristics              | Spacial SMX                                                                                                                                                                                                                                                                                                                                                      | Spacial SFX                                                                                                                                                                                                                                                                                |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              | Stainless-steel sheet floor-standing enclosure, folded and welded.                                                                                                                                                                                                                                                                                               | <ul style="list-style-type: none"> <li>Enclosure made up of a structure, consisting of top and bottom, rear panel and vertical profiles.</li> <li>Single front door, with reinforcement frame.</li> <li>Sash-bolt handle made from painted zamak, 3 mm double bar.</li> </ul>              |
| Material                     | <ul style="list-style-type: none"> <li>304L stainless-steel</li> <li>316L stainless-steel</li> </ul>                                                                                                                                                                                                                                                             | <ul style="list-style-type: none"> <li>304L stainless-steel</li> <li>316L version (on request)</li> </ul>                                                                                                                                                                                  |
| Finish                       | <ul style="list-style-type: none"> <li>Scotch-Brite® brushed finish</li> <li>Micro-beaded and painted finishes (on request)</li> </ul>                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                            |
| Thickness                    | 15/10 <sup>6</sup> mm                                                                                                                                                                                                                                                                                                                                            | -                                                                                                                                                                                                                                                                                          |
| Ingress protection rating    | IP55 according to IEC 60529                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                            |
| Mechanical protection rating | IK10 according to IEC 62262                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                            |
| Standards                    | IEC 62208                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                            |
| Certifications               | <ul style="list-style-type: none"> <li>UL 508</li> <li>CAN/CSA 22</li> <li>NEMA:                             <ul style="list-style-type: none"> <li>1 door enclosure: type 1, 2, 3, 3R, 4, 4X, 5, 12, 12K, 13</li> <li>2 doors enclosure: type 1, 12, 12K, 13</li> </ul> </li> </ul>                                                                             | <ul style="list-style-type: none"> <li>CAN/CSA 22</li> <li>NEMA:                             <ul style="list-style-type: none"> <li>1 door enclosure: type 1, 2, 3, 3R, 4, 4X, 5, 12, 12K, 13</li> <li>2 doors enclosure: type 1, 12, 12K, 13</li> </ul> </li> </ul>                       |
| Installation                 | Outdoor installation: compliant with IEC 62208 regarding type tests specified in §9.12 (resistance to ultra-violet (UV) radiation) and §9.13 (resistance to corrosion). It is always advisable to install a canopy to avoid water stagnation on the upper part of the enclosure                                                                                  |                                                                                                                                                                                                                                                                                            |
| Other characteristics        | <ul style="list-style-type: none"> <li>Plain front door. Opening to left or right to 120° with reinforcement frame installed:                             <ul style="list-style-type: none"> <li>3 stainless-steel hinges</li> <li>3-point closure with handle made from painted zamak, 5-mm double bar</li> <li>acceptable load of 50 kg</li> </ul> </li> </ul> |                                                                                                                                                                                                                                                                                            |
| Supply                       | <ul style="list-style-type: none"> <li>Welded rear panel</li> <li>Single-piece cable-gland plate delivered</li> <li>Delivered with 4 mounting plate-supporting brackets</li> </ul>                                                                                                                                                                               | <ul style="list-style-type: none"> <li>Welded rear panel</li> <li>4 mounting plate-supporting brackets</li> <li>Single-piece cable-gland plate with sealing gasket</li> </ul> <p><i>Note: the panels and plinths can be installed and the enclosures can be assembled (on request)</i></p> |

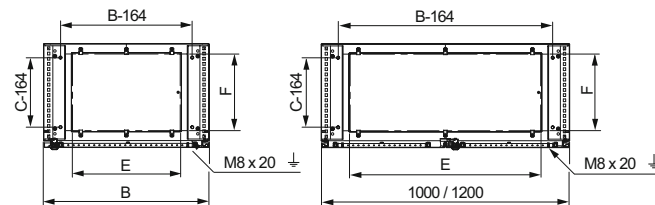
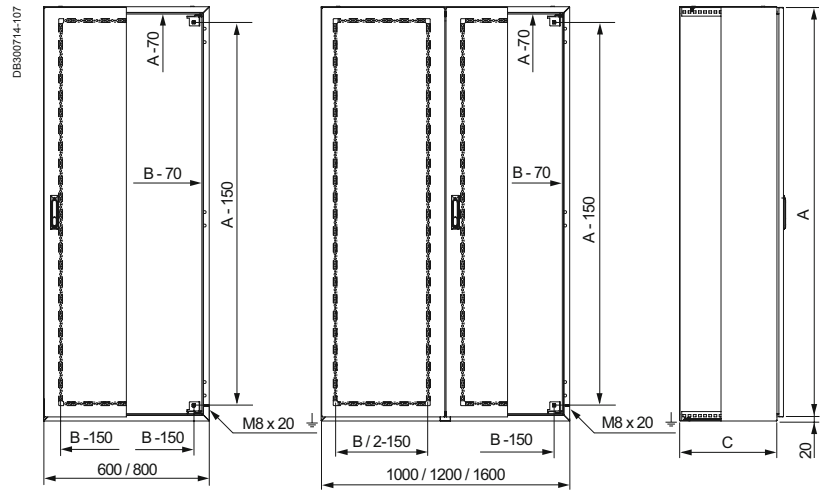
| External dimensions (mm) |           |           | Number of front doors | Stainless-steel enclosure |               | Stainless-steel suitable enclosure |
|--------------------------|-----------|-----------|-----------------------|---------------------------|---------------|------------------------------------|
| Height (A)               | Width (B) | Depth (C) |                       | 304L                      | 316L          | 304L                               |
| 1400                     | 1000      | 300       | 2                     | NSYSMX141030              | -             | -                                  |
| 1600                     | 800       | 400       | 1                     | NSYSMX16840               | -             | -                                  |
| 1800                     | 600       | 400       | 1                     | NSYSMX18640               | -             | NSYSFX18640                        |
|                          | 800       | 400       | 1                     | NSYSMX18840               | NSYSMX18840H  | NSYSFX18840                        |
|                          | 1200      | 400       | 2                     | NSYSMX181240              | NSYSMX181240H | NSYSFX181240                       |
|                          | 1600      | 400       | 2                     | NSYSMX181640              | NSYSMX181640H | -                                  |
| 2000                     | 600       | 500       | 1                     | -                         | -             | NSYSFX20650                        |
|                          | 800       | 400       | 1                     | -                         | -             | NSYSFX20840                        |
|                          | 800       | 500       | 1                     | NSYSMX20850               | -             | -                                  |
|                          | 800       | 600       | 1                     | -                         | -             | NSYSFX20860                        |
|                          | 1000      | 400       | 2                     | NSYSMX201040              | NSYSMX201040H | -                                  |
|                          | 1000      | 600       | 2                     | -                         | -             | NSYSFX201060                       |
|                          | 1200      | 500       | 2                     | NSYSMX201250              | NSYSMX201250H | -                                  |
|                          | 1200      | 600       | 2                     | -                         | -             | NSYSFX201260                       |
| 1600                     | 600       | 2         | NSYSMX201660          | NSYSMX201660H             | -             |                                    |

# Stainless-steel floor-standing enclosures

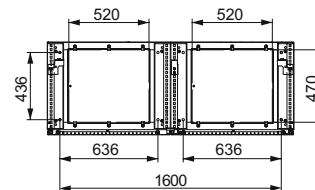
## Dimensions

SMX

| Floor-standing enclosure dimensions (mm) |           |           | No. of cableglad plates | Dimensions (mm) |     |
|------------------------------------------|-----------|-----------|-------------------------|-----------------|-----|
| Height (A)                               | Width (B) | Depth (C) |                         | E               | F   |
| 1400                                     | 1000      | 300       | 1                       | 720             | 270 |
| 1600                                     | 800       | 400       | 1                       | 520             | 270 |
| 1800                                     | 600       | 400       | 1                       | 520             | 270 |
|                                          | 800       | 400       | 1                       | 520             | 270 |
|                                          | 1200      | 400       | 1                       | 920             | 270 |
|                                          | 1600      | 400       | 2                       | 1320            | 270 |
| 2000                                     | 800       | 500       | 1                       | 520             | 370 |
|                                          | 1000      | 400       | 1                       | 720             | 270 |
|                                          | 1200      | 500       | 1                       | 920             | 370 |
|                                          | 1600      | 600       | 2                       | 1320            | 470 |



Enclosure width of 1000 and 1200 mm.



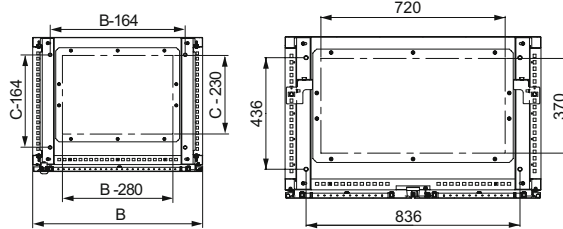
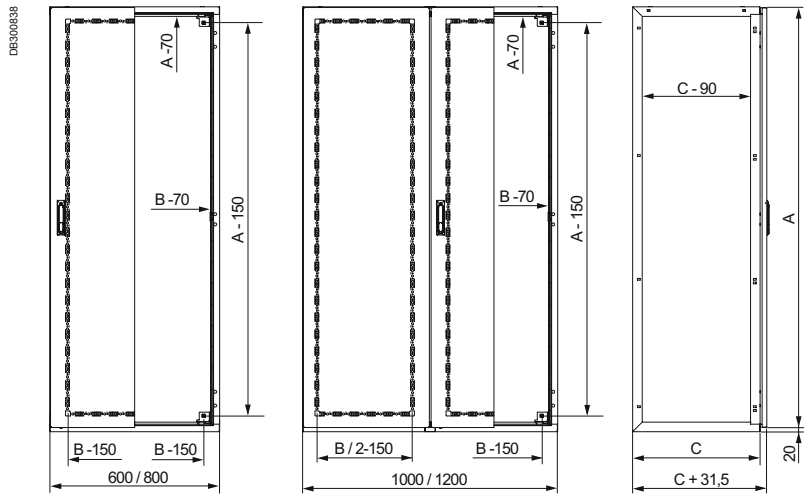
Enclosure width of 1600 mm.

# Stainless-steel floor-standing enclosures

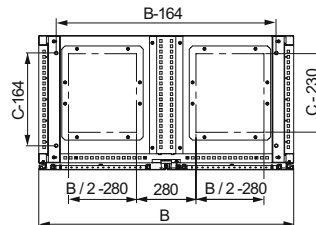
## Dimensions



| External dimensions (mm) |           |           | Number of front doors |
|--------------------------|-----------|-----------|-----------------------|
| Height (A)               | Width (B) | Depth (C) |                       |
| 1800                     | 600       | 400       | 1                     |
|                          | 800       | 400       | 1                     |
|                          | 1200      | 400       | 2                     |
| 2000                     | 600       | 500       | 1                     |
|                          | 800       | 400       | 1                     |
|                          | 800       | 600       | 1                     |
|                          | 1000      | 600       | 2                     |
|                          | 1200      | 600       | 2                     |



Enclosure width 1000.



Enclosure width 1200 mm.

# Stainless-steel floor-standing enclosures

## Specific accessories

SMX

PB602483-28



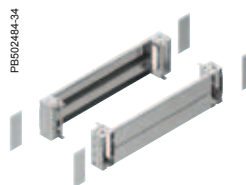
Plinth height 100 mm  
(4 corners + front and back)

PB602485-26



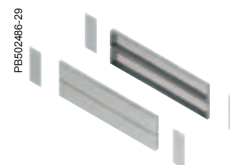
Plinth height 100 mm  
(Set of 2 side panels)

PB602484-34



Plinth height 200 mm  
(4 corners + front and back)

PB602486-29



Plinth height 200 mm  
(Set of 2 side panels)

| Characteristics          |           | Stainless-steel plinths                                                                                                            |                                  |                      |                                  |                           |                                  |                      |                                  |                           |                                  |                           |  |
|--------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------------|----------------------------------|---------------------------|----------------------------------|----------------------|----------------------------------|---------------------------|----------------------------------|---------------------------|--|
| Material                 |           | Stainless-steel, AISI 304L                                                                                                         |                                  |                      |                                  |                           | Stainless-steel, AISI 316L       |                      |                                  |                           |                                  |                           |  |
| Finish                   |           | Scotch-Brite® brushing, to guarantee the durability in application where the contact with the floor increase the risk of corrosion |                                  |                      |                                  |                           |                                  |                      |                                  |                           |                                  |                           |  |
| Installation             |           | Mounting in the holes for fixing the enclosures to the floor<br>Suitable for steel floor-standing enclosures (SF and SM)           |                                  |                      |                                  |                           |                                  |                      |                                  |                           |                                  |                           |  |
| External dimensions (mm) |           | Plinth height 100 mm                                                                                                               |                                  |                      |                                  | Plinth height 200 mm      |                                  |                      |                                  | Plinth height 100 mm      |                                  | Plinth height 200 mm      |  |
| Height (A)               | Width (B) | Depth (C)                                                                                                                          | Kit (4 corners + front and back) | Set of 2 side panels | Kit (4 corners + front and back) | Set of 2 side panels (x2) | Kit (4 corners + front and back) | Set of 2 side panels | Kit (4 corners + front and back) | Set of 2 side panels (x2) | Kit (4 corners + front and back) | Set of 2 side panels (x2) |  |
| 1400                     | 1000      | 300                                                                                                                                | NSYSPFX10100                     | NSYSPSX3100          | NSYSPFX10200                     | NSYSPSX3200               | NSYSPFX10100H                    | NSYSPSX3100H         | NSYSPFX10200H                    | NSYSPSX3200H              | NSYSPFX10100H                    | NSYSPSX3100H              |  |
| 1600                     | 800       | 400                                                                                                                                | NSYSPFX8100                      | NSYSPSX4100          | NSYSPFX8200                      | NSYSPSX4200               | NSYSPFX8100H                     | NSYSPSX4100H         | NSYSPFX8200H                     | NSYSPSX4200H              | NSYSPFX8100H                     | NSYSPSX4100H              |  |
| 1800                     | 600       | 400                                                                                                                                | NSYSPFX6100                      | NSYSPSX4100          | NSYSPFX6200                      | NSYSPSX4200               | -                                | NSYSPSX4100H         | -                                | NSYSPSX4200H              | -                                | NSYSPSX4200H              |  |
|                          | 800       | 400                                                                                                                                | NSYSPFX8100                      | NSYSPSX4100          | NSYSPFX8200                      | NSYSPSX4200               | NSYSPFX8100H                     | NSYSPSX4100H         | NSYSPFX8200H                     | NSYSPSX4200H              | NSYSPFX8100H                     | NSYSPSX4100H              |  |
|                          | 1200      | 400                                                                                                                                | NSYSPFX12100                     | NSYSPSX4100          | NSYSPFX12200                     | NSYSPSX4200               | NSYSPFX12100H                    | NSYSPSX4100H         | NSYSPFX12200H                    | NSYSPSX4200H              | NSYSPFX12100H                    | NSYSPSX4100H              |  |
| 2000                     | 1600      | 400                                                                                                                                | NSYSPFX16100                     | NSYSPSX4100          | NSYSPFX16200                     | NSYSPSX4200               | NSYSPFX16100H                    | NSYSPSX4100H         | NSYSPFX16200H                    | NSYSPSX4200H              | NSYSPFX16100H                    | NSYSPSX4100H              |  |
|                          | 600       | 500                                                                                                                                | NSYSPFX6100                      | NSYSPSX5100          | NSYSPFX6200                      | NSYSPSX5200               | -                                | NSYSPSX5100H         | -                                | NSYSPSX5200H              | -                                | NSYSPSX5200H              |  |
|                          | 800       | 400                                                                                                                                | NSYSPFX8100                      | NSYSPSX4100          | NSYSPFX8200                      | NSYSPSX4200               | NSYSPFX8100H                     | NSYSPSX4100H         | NSYSPFX8200H                     | NSYSPSX4200H              | NSYSPFX8100H                     | NSYSPSX4100H              |  |
|                          | 800       | 500                                                                                                                                | NSYSPFX8100                      | NSYSPSX5100          | NSYSPFX8200                      | NSYSPSX5200               | NSYSPFX8100H                     | NSYSPSX5100H         | NSYSPFX8200H                     | NSYSPSX5200H              | NSYSPFX8100H                     | NSYSPSX5100H              |  |
|                          | 800       | 600                                                                                                                                | NSYSPFX8100                      | NSYSPSX6100          | NSYSPFX8200                      | NSYSPSX6200               | NSYSPFX8100H                     | NSYSPSX6100H         | NSYSPFX8200H                     | NSYSPSX6200H              | NSYSPFX8100H                     | NSYSPSX6100H              |  |
|                          | 1000      | 400                                                                                                                                | NSYSPFX10100                     | NSYSPSX4100          | NSYSPFX10200                     | NSYSPSX4200               | NSYSPFX10100H                    | NSYSPSX4100H         | NSYSPFX10200H                    | NSYSPSX4200H              | NSYSPFX10100H                    | NSYSPSX4100H              |  |
|                          | 1000      | 600                                                                                                                                | NSYSPFX10100                     | NSYSPSX6100          | NSYSPFX10200                     | NSYSPSX6200               | NSYSPFX10100H                    | NSYSPSX6100H         | NSYSPFX10200H                    | NSYSPSX6200H              | NSYSPFX10100H                    | NSYSPSX6100H              |  |
| 1200                     | 500       | NSYSPFX12100                                                                                                                       | NSYSPSX5100                      | NSYSPFX12200         | NSYSPSX5200                      | NSYSPFX12100H             | NSYSPSX5100H                     | NSYSPFX12200H        | NSYSPSX5200H                     | NSYSPFX12100H             | NSYSPSX5100H                     |                           |  |
| 1200                     | 600       | NSYSPFX12100                                                                                                                       | NSYSPSX6100                      | NSYSPFX12200         | NSYSPSX6200                      | NSYSPFX12100H             | NSYSPSX6100H                     | NSYSPFX12200H        | NSYSPSX6200H                     | NSYSPFX12100H             | NSYSPSX6100H                     |                           |  |
| 1600                     | 600       | NSYSPFX16100                                                                                                                       | NSYSPSX6100                      | NSYSPFX16200         | NSYSPSX6200                      | NSYSPFX16100H             | NSYSPSX6100H                     | NSYSPFX16200H        | NSYSPSX6200H                     | NSYSPFX16100H             | NSYSPSX6100H                     |                           |  |



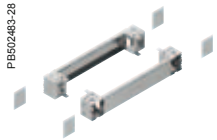
The ventilated plinths in stainless steel 200 mm of Outdoor Heavy Duty enclosures (page 339) are compatible with the stainless steel monobloc and suitable enclosures.



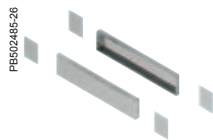
# Stainless-steel floor-standing enclosures

## Specific accessories

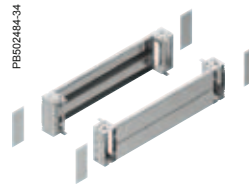
SFX



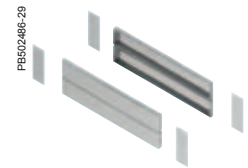
Plinth height 100 mm  
(4 corners + front and back)



Plinth height 100 mm  
(Set of 2 side panels)



Plinth height 200 mm  
(4 corners + front and back)



Plinth height 200 mm  
(Set of 2 side panels)

| Characteristics          |           | Stainless-steel plinths                                                                                                            |                                  |                       |                                  |                            |                                  |                      |                                  |                           |
|--------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------|----------------------------------|----------------------------|----------------------------------|----------------------|----------------------------------|---------------------------|
| Material                 |           | Stainless-steel, AISI 304L                                                                                                         |                                  |                       |                                  | Stainless-steel, AISI 316L |                                  |                      |                                  |                           |
| Finish                   |           | Scotch-Brite® brushing, to guarantee the durability in application where the contact with the floor increase the risk of corrosion |                                  |                       |                                  |                            |                                  |                      |                                  |                           |
| Installation             |           | Mounting in the holes for fixing the enclosures to the floor<br>Suitable for steel floor-standing enclosures (SF and SM)           |                                  |                       |                                  |                            |                                  |                      |                                  |                           |
| External dimensions (mm) |           | Plinth height 100 mm                                                                                                               |                                  | Socles hauteur 200 mm |                                  | Plinth height 100 mm       |                                  | Plinth height 200 mm |                                  |                           |
| Height (A)               | Width (B) | Depth (C)                                                                                                                          | Kit (4 corners + front and back) | Set of 2 side panels  | Kit (4 corners + front and back) | Set of 2 side panels (x2)  | Kit (4 corners + front and back) | Set of 2 side panels | Kit (4 corners + front and back) | Set of 2 side panels (x2) |
| 1400                     | 1000      | 300                                                                                                                                | NSYSPFX10100                     | -                     | NSYSPFX10200                     | -                          | NSYSPFX10100H                    | -                    | NSYSPFX10200H                    | -                         |
| 1600                     | 800       | 400                                                                                                                                | NSYSPFX8100                      | NSYSPSX4100SF         | NSYSPFX8200                      | NSYSPSX4200SF              | NSYSPFX8100H                     | NSYSPSX4100H         | NSYSPFX8200H                     | NSYSPSX4200H              |
| 1800                     | 600       | 400                                                                                                                                | NSYSPFX6100                      | NSYSPSX4100SF         | NSYSPFX6200                      | NSYSPSX4200SF              | -                                | NSYSPSX4100H         | -                                | NSYSPSX4200H              |
|                          |           | 800                                                                                                                                | 400                              | NSYSPFX8100           | NSYSPSX4100SF                    | NSYSPFX8200                | NSYSPSX4200SF                    | NSYSPFX8100H         | NSYSPSX4100H                     | NSYSPFX8200H              |
|                          | 1200      | 400                                                                                                                                | NSYSPFX12100                     | NSYSPSX4100SF         | NSYSPFX12200                     | NSYSPSX4200SF              | NSYSPFX12100H                    | NSYSPSX4100H         | NSYSPFX12200H                    | NSYSPSX4200H              |
|                          |           | 1600                                                                                                                               | 400                              | -                     | NSYSPSX4100SF                    | -                          | NSYSPSX4200SF                    | -                    | NSYSPSX4100H                     | -                         |
| 2000                     | 600       | 500                                                                                                                                | NSYSPFX6100                      | NSYSPSX5100SF         | NSYSPFX6200                      | NSYSPSX5200SF              | -                                | NSYSPSX5100H         | -                                | NSYSPSX5200H              |
|                          |           | 800                                                                                                                                | 400                              | NSYSPFX8100           | NSYSPSX4100SF                    | NSYSPFX8200                | NSYSPSX4200SF                    | NSYSPFX8100H         | NSYSPSX4100H                     | NSYSPFX8200H              |
|                          | 800       | 500                                                                                                                                | NSYSPFX8100                      | NSYSPSX5100SF         | NSYSPFX8200                      | NSYSPSX5200SF              | NSYSPFX8100H                     | NSYSPSX5100H         | NSYSPFX8200H                     | NSYSPSX5200H              |
|                          |           | 600                                                                                                                                | NSYSPFX8100                      | NSYSPSX6100SF         | NSYSPFX8200                      | NSYSPSX6200SF              | NSYSPFX8100H                     | NSYSPSX6100H         | NSYSPFX8200H                     | NSYSPSX6200H              |
|                          | 1000      | 400                                                                                                                                | NSYSPFX10100                     | NSYSPSX4100SF         | NSYSPFX10200                     | NSYSPSX4200SF              | NSYSPFX10100H                    | NSYSPSX4100H         | NSYSPFX10200H                    | NSYSPSX4200H              |
|                          |           | 600                                                                                                                                | NSYSPFX10100                     | NSYSPSX6100SF         | NSYSPFX10200                     | NSYSPSX6200SF              | NSYSPFX10100H                    | NSYSPSX6100H         | NSYSPFX10200H                    | NSYSPSX6200H              |
|                          | 1200      | 500                                                                                                                                | NSYSPFX12100                     | NSYSPSX5100SF         | NSYSPFX12200                     | NSYSPSX5200SF              | NSYSPFX12100H                    | NSYSPSX5100H         | NSYSPFX12200H                    | NSYSPSX5200H              |
|                          | 1200      | 600                                                                                                                                | NSYSPFX12100                     | NSYSPSX6100SF         | NSYSPFX12200                     | NSYSPSX6200SF              | NSYSPFX12100H                    | NSYSPSX6100H         | NSYSPFX12200H                    | NSYSPSX6200H              |
| 1600                     | 600       | -                                                                                                                                  | NSYSPSX6100SF                    | -                     | NSYSPSX6200SF                    | -                          | NSYSPSX6100H                     | -                    | NSYSPSX6200H                     |                           |



The ventilated plinths in stainless steel 200 mm of Outdoor Heavy Duty enclosures (page 339) are compatible with the stainless steel monobloc and suitable enclosures.

# Stainless-steel floor-standing enclosures

## Specific accessories



PB501259-24



PB501239-30



| Characteristics          |                                                                                                                                      | Canopy                                                               |             |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------|
|                          |                                                                                                                                      | Guarantees very high protection of the enclosure when used outdoors. |             |
| Material                 | <ul style="list-style-type: none"> <li>■ 304L stainless-steel sheet</li> <li>■ Other types of stainless-steel, contact us</li> </ul> |                                                                      |             |
| Finish                   | <ul style="list-style-type: none"> <li>■ Scotch-Brite® brushed</li> <li>■ Other finishes, contact us</li> </ul>                      |                                                                      |             |
| Thickness                | 15/10° mm                                                                                                                            |                                                                      |             |
| Installation             | It is fixed in the same holes as the eyebolt.<br>Delivered with fixings. Other dimensions and canopy for sets, contact us            |                                                                      |             |
| External dimensions (mm) |                                                                                                                                      | Top-mounting                                                         |             |
| Height (A)               | Width (B)                                                                                                                            | Depth (C)                                                            |             |
| 1400                     | 1000                                                                                                                                 | 300                                                                  | NSYSCX10030 |
| 1600                     | 800                                                                                                                                  | 400                                                                  | NSYSCX8040  |
| 1800                     | 600                                                                                                                                  | 400                                                                  | NSYSCX6040  |
|                          | 800                                                                                                                                  | 400                                                                  | NSYSCX8040  |
|                          | 1200                                                                                                                                 | 400                                                                  | NSYSCX12040 |
| 2000                     | 1600                                                                                                                                 | 400                                                                  | NSYSCX16040 |
|                          | 600                                                                                                                                  | 500                                                                  | -           |
|                          | 800                                                                                                                                  | 400                                                                  | -           |
|                          | 800                                                                                                                                  | 500                                                                  | NSYSCX8050  |
|                          | 800                                                                                                                                  | 600                                                                  | -           |
|                          | 1000                                                                                                                                 | 400                                                                  | NSYSCX10040 |
|                          | 1000                                                                                                                                 | 600                                                                  | -           |
|                          | 1200                                                                                                                                 | 500                                                                  | NSYSCX12050 |
| 1200                     | 600                                                                                                                                  | -                                                                    |             |
| 1600                     | 600                                                                                                                                  | NSYSCX16060                                                          | -           |

PB501259-SE-17



PB501260-SE-19



| Characteristics | Closure option                                                                                                                                                                                                                                        |                         |                |          |          |                    |          |                    |                      |                     |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------------|----------|----------|--------------------|----------|--------------------|----------------------|---------------------|
|                 | Spare handle.                                                                                                                                                                                                                                         | 5 mm double-bar insert. | Square insert. |          |          | Triangular insert. |          | Padlocking device. | Barrel and key 405E. | Barrel and key 610. |
|                 |                                                                                                                                                                                                                                                       |                         | 6 mm           | 7 mm     | 8 mm     | 6.5 mm             | 8 mm     |                    |                      | <b>New</b>          |
| Material        | <ul style="list-style-type: none"> <li>■ The enclosures are delivered as standard with handle made from painted zamak, 5 mm double bar (1242E, 405E, 455E, 6.5 mm triangle available)</li> <li>■ Large range of standard inserts available</li> </ul> |                         |                |          |          |                    |          |                    |                      |                     |
| Supply          | 1 pack                                                                                                                                                                                                                                                | 1 pack                  | 1 pack         | 1 pack   | 1 pack   | 1 pack             | 1 pack   | 1 pack             | 1 pack               | 1 pack              |
| References      | NSYMCXSX                                                                                                                                                                                                                                              | NSYTDB5ME               | NSYTC6ME       | NSYTC7ME | NSYTC8ME | NSYTT6ME           | NSYTT8ME | NSYBCME            | NSYTCL405ME          | NSYTCL610ME         |

ISPA011\_001-35



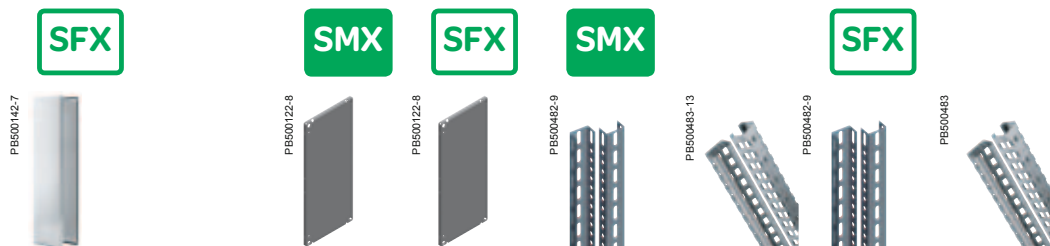
ISPA011\_002-40



| Door switch |                 |
|-------------|-----------------|
|             | For Spacial SFX |
| See page    | 295             |
| Supply      | 1               |
| Reference   | NSYDCM20        |

# Stainless-steel floor-standing enclosures

## Specific accessories

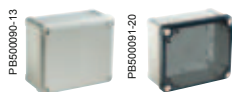


| Characteristics          |           |           | Side panels                                                                                                                                                                                                            | Plain mounting plate |           | Uprights vertical |           |          |           |
|--------------------------|-----------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------|-------------------|-----------|----------|-----------|
|                          |           |           | <ul style="list-style-type: none"> <li>Side panels including a polyurethane sealing gasket.</li> <li>Their special design guarantees the protection of the door gasket.</li> <li>304L stainless-steel sheet</li> </ul> | -                    | -         |                   |           |          |           |
| Material                 |           |           | -                                                                                                                                                                                                                      | -                    |           |                   |           |          |           |
| External dimensions (mm) |           |           |                                                                                                                                                                                                                        |                      |           | Standard          | Technical | Standard | Technical |
| Height (A)               | Width (B) | Depth (C) |                                                                                                                                                                                                                        |                      |           |                   |           |          |           |
| 1400                     | 1000      | 300       | -                                                                                                                                                                                                                      | NSYMP1410            | -         | -                 | NSYTVR14  | -        | -         |
| 1600                     | 800       | 400       | -                                                                                                                                                                                                                      | NSYMP168             | -         | -                 | NSYTVR16  | -        | -         |
| 1800                     | 600       | 400       | NSY2SPX184                                                                                                                                                                                                             | NSYMP186             | NSYMP186  | NSYVR18           | NSYTVR18  | NSYVR18  | NSYVR18   |
|                          | 800       | 400       | NSY2SPX184                                                                                                                                                                                                             | NSYMP188             | NSYMP188  | NSYVR18           | NSYTVR18  | NSYVR18  | NSYVR18   |
|                          | 1200      | 400       | NSY2SPX184                                                                                                                                                                                                             | NSYMP1812            | NSYMP1812 | NSYVR18           | NSYTVR18  | NSYVR18  | NSYVR18   |
|                          | 1600      | 400       | -                                                                                                                                                                                                                      | NSYMP1816            | -         | NSYVR18           | NSYTVR18  | -        | -         |
| 2000                     | 600       | 500       | NSY2SPX205                                                                                                                                                                                                             | -                    | NSYMP206  | -                 | -         | NSYVR20  | NSYVR20   |
|                          | 800       | 400       | NSY2SPX204                                                                                                                                                                                                             | -                    | NSYMP208  | -                 | -         | NSYVR20  | NSYVR20   |
|                          | 800       | 500       | NSY2SPX205                                                                                                                                                                                                             | NSYMP208             | -         | NSYVR20           | NSYTVR20  | -        | -         |
|                          | 800       | 600       | NSY2SPX206                                                                                                                                                                                                             | -                    | NSYMP208  | -                 | -         | NSYVR20  | NSYVR20   |
|                          | 1000      | 400       | -                                                                                                                                                                                                                      | NSYMP2010            | -         | NSYVR20           | NSYTVR20  | -        | -         |
|                          | 1000      | 600       | NSY2SPX206                                                                                                                                                                                                             | -                    | NSYMP2010 | -                 | -         | NSYVR20  | NSYVR20   |
|                          | 1200      | 500       | -                                                                                                                                                                                                                      | NSYMP2012            | -         | NSYVR20           | NSYTVR20  | -        | -         |
|                          | 1200      | 600       | NSY2SPX206                                                                                                                                                                                                             | -                    | NSYMP2012 | -                 | -         | NSYVR20  | NSYVR20   |
|                          | 1600      | 600       | -                                                                                                                                                                                                                      | NSYMP2016            | -         | NSYVR20           | NSYTVR20  | -        | -         |



| Characteristics           | Eyebolts                                                  | Lifting bracket                                                                                                                        | Wall-fixing lugs                                                                                                                                       | Hygienic feet                                                         | Coupling kit                                                                                                                    |
|---------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
|                           | -                                                         | For SFX.                                                                                                                               | For SMX.                                                                                                                                               | Recommended for applications that require special hygiene conditions. | For SFX. Used for joining enclosures side by side.                                                                              |
| Material                  | Treated moulded steel                                     | Treated steel                                                                                                                          | 304L stainless-steel                                                                                                                                   | 316L stainless-steel                                                  | <ul style="list-style-type: none"> <li>Flat connectors and brackets: zinc-coated steel</li> <li>Sealing gasket: EPDM</li> </ul> |
| Ingress protection rating | -                                                         | -                                                                                                                                      | -                                                                                                                                                      | -                                                                     | IP55                                                                                                                            |
| Installation              | It is fixed using fixing nuts supplied with the enclosure | They are fixed instead of the eyebolts on two suitable enclosures side-by-side, guaranteeing the rigidity of the enclosure when lifted | <ul style="list-style-type: none"> <li>Mounting of the wall-fixing lugs in horizontal or vertical position</li> <li>Fixing from the outside</li> </ul> | Adjustable between 140 mm and 200 mm height                           | Fixing from the inside of the enclosures                                                                                        |
| Maximum load              | 830 kg when slinging at 60°                               | 2000 kg when slinging at 60°                                                                                                           | <ul style="list-style-type: none"> <li>Horizontal: 180 kg</li> <li>Vertical: 350 kg</li> </ul>                                                         | Per foot: 100 kg                                                      | -                                                                                                                               |
| Supply                    | Set of four M12 eyebolts                                  | Set of four lifting brackets                                                                                                           | Set of four wall-fixing lugs                                                                                                                           | Set of 4 adjustable feet                                              | -                                                                                                                               |
| References                | NSYSMEB                                                   | NSYPUNX                                                                                                                                | NSYFCMX                                                                                                                                                | NSYPHX200                                                             | NSYSFBK19 + NSYSFXJG                                                                                                            |

# Insulating boxes



### Thalassa TBS - TBP Insulating industrial boxes 142

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### Thalassa PLS Insulating modular boxes 156

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| Dimensions      | 160 |
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**New** Early 2016, the PLS range changes color

**RAL 7032**

PB501325-20    PB500213-20

➔

**RAL 7035**

PB501325SE-20    PB502791-20

**> Why change?**  
To harmonize the Schneider Electric Universal enclosures offer. Answer to customer requests and to the the market trends.

**> What happen with the part numbers (references)?**  
Every product that have changed in colour have also changed the part umber. It is done just adding a letter "G" at the end on reference. *Example:*

| RAL 7032 | RAL 7035  |
|----------|-----------|
| NSYPLM43 | NSYPLM43G |

**> How can I obtain RAL 7032 enclosures?**  
Consult us.

**> Will the new RAL 7035 colour offer the same properties as RAL 7032?**  
Yes, all mechanical properties will be the same. The light reflexion is even improved.

**> Insulating industrial boxes:**

- ABS for conventional applications (IK07) with the usual constraints,
- polycarbonate for enhanced impact resistance (IK08) and for outdoor applications or applications directly exposed to UV,
- polycarbonate certified UL,
- IP55 rating for all ranges,
- Protection against electrical impacts Class II.

PB500248E55



PB500271-32



**Easy to install**

3 methods of fixing the box to its support.

PB500273-72



**Easy to use**

Only one tool is required: a flat screwdriver.

PB500091



**Smart**

Fixing studs on the cover.

**This range can be configured according to your needs**

**4 different services available:**



Assemble to order



Mounting of standard accessories



Painting



Machining

See page 450 for details or consult our web site [www.schneider-electric.com](http://www.schneider-electric.com)

# Insulating industrial boxes

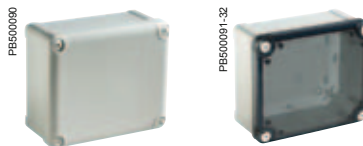
## Characteristics



| Characteristics              | Universal boxes with IP66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Equipped button boxes, in ABS with IP54                                                                                                                                                                                                                                                                                                                                         | ABS boxes for buttons, to be equipped |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
|                              | <ul style="list-style-type: none"> <li>■ Boxes that can be coupled (exactly the same dimensions) with kit ref. <b>13934</b>.</li> <li>■ Locks from box size of 116 x 116 x 62 mm:                             <ul style="list-style-type: none"> <li><input type="checkbox"/> cover locking by 4 plastic captive screws with coarse thread outside the sealed area,</li> <li><input type="checkbox"/> plumbable lock.</li> </ul> </li> <li>■ Locks from box size of 138 x 93 x 72 mm:                             <ul style="list-style-type: none"> <li><input type="checkbox"/> the standard screws (flat screwdriver) can be replaced with other standardised screws (page 150).</li> <li>■ The 4 "legs" of the cover ensure its robustness and perfect support during customisation operations.</li> </ul> </li> <li>■ Adaptable hinges on all the 20- and 40-mm covers (page 152).</li> </ul>                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                 |                                       |
| Material                     | <ul style="list-style-type: none"> <li>■ <b>ABS boxes:</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> glow wire resistance: 650°C according to IEC 60695-2-11</li> <li><input type="checkbox"/> usage temperature: -25°C...+60°C</li> <li><input type="checkbox"/> installation temperature: -15°C...+40°C</li> </ul> </li> <li>■ <b>Polycarbonate boxes:</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> glow wire resistance: 960°C</li> <li><input type="checkbox"/> usage temperature: -25°C...+80°C</li> <li><input type="checkbox"/> installation temperature: -15°C...+60°C</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <ul style="list-style-type: none"> <li>■ <b>ABS boxes:</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> glow wire resistance: 650°C according to IEC 60695-2-11</li> <li><input type="checkbox"/> usage temperature: -25°C...+60°C</li> <li><input type="checkbox"/> installation temperature: -15°C...+40°C</li> </ul> </li> </ul>                          |                                       |
| Colour                       | <ul style="list-style-type: none"> <li>■ Body: RAL 7035 grey</li> <li>■ Cover: RAL 7035 grey or tinted transparent</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                 |                                       |
| Ingress protection rating    | IP66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | IP54                                                                                                                                                                                                                                                                                                                                                                            | -                                     |
| Mechanical protection rating | <ul style="list-style-type: none"> <li>■ <b>ABS:</b> IK07 (2J) according to IEC 62262</li> <li>■ <b>Polycarbonate:</b> IK08 (2J) according to IEC 62262</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <ul style="list-style-type: none"> <li>■ <b>ABS:</b> IK07 (2J) according to IEC 62262</li> </ul>                                                                                                                                                                                                                                                                                |                                       |
| Standards                    | IEC 62208                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                 |                                       |
| Certifications               | <ul style="list-style-type: none"> <li>■ IEC 62208 certified by TÜV</li> <li>■ SEMKO, DEMKO</li> <li>■ UL 508A: polycarbonate range</li> <li>■ Product Environmental Profile</li> <li>■ NEMA 4.4X according to NEMA 250</li> <li>■ Class II according to IEC 61140</li> <li>■ Self-extinguishing: UL 94-V0</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <ul style="list-style-type: none"> <li>■ IEC 62208 certified by TÜV</li> <li>■ SEMKO, DEMKO</li> <li>■ UL 508A: polycarbonate range</li> <li>■ Product Environmental Profile</li> <li>■ NEMA 4.4X according to NEMA 250</li> <li>■ Class II according to IEC 61140</li> </ul>                                                                                                   |                                       |
| Installation                 | <p><b>Fixing the box</b></p> <ul style="list-style-type: none"> <li>■ Outside the sealed sensitive volume by the 4 chimneys in the corners from box size of 138 x 93 x 72 mm</li> <li>■ Through the rear of the box by 2 or 4 elongated holes to be perforated</li> <li>■ With fixing lugs from box size of 116 x 116 x 62 mm (ref. <b>NSYAEFTB</b>)</li> </ul> <p><b>Outdoor installation:</b> compliant with IEC 62208 regarding type tests specified in §9.12 (resistance to ultra-violet (UV) radiation) and §9.13 (resistance to corrosion). It is always advisable to install a canopy to avoid water stagnation on the upper part of the enclosure</p> <p><b>Equipment installation</b></p> <ul style="list-style-type: none"> <li>■ Studs for fixing the equipment in the body and the cover of the box by means of a Ø 4-mm self-tapping screw (ref. <b>NSYAMFSTB</b>, screw Ø 4 x 10 mm with Pozidriv and slotted head)</li> <li>■ Option of installing rails, plates (page 153) or other types of supports (card, etc.)</li> <li>■ Spacers and stand-offs to be installed on the studs, for adjusting the height of the equipment</li> </ul> |                                                                                                                                                                                                                                                                                                                                                                                 |                                       |
| Other characteristics        | <ul style="list-style-type: none"> <li>■ Thermal dissipation:                             <ul style="list-style-type: none"> <li><input type="checkbox"/> use a suitable calculation method according to IEC 60890</li> <li><input type="checkbox"/> anti-condensation valves available as an accessory, prevent the build-up of moisture inside the box</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <ul style="list-style-type: none"> <li>■ Thermal dissipation:                             <ul style="list-style-type: none"> <li><input type="checkbox"/> use a suitable calculation method according to IEC 60890</li> <li><input type="checkbox"/> anti-condensation valves available as an accessory, prevent the build-up of moisture inside the box</li> </ul> </li> </ul> |                                       |

# Insulating industrial boxes

## Selection guide



| Overall external dimensions |       |       | Overall internal dimensions |       |       | Body | Cover | Minor pack. | Cover screw | Universal boxes with IP66 |                   |                 |                   |
|-----------------------------|-------|-------|-----------------------------|-------|-------|------|-------|-------------|-------------|---------------------------|-------------------|-----------------|-------------------|
| (mm)                        |       |       | (mm)                        |       |       | (mm) | (mm)  |             |             | ABS IP66 IK07             |                   | PC-UL IP66 IK08 |                   |
| Height                      | Width | Depth | Height                      | Width | Depth |      |       |             |             | Opaque cover              | Transparent cover | Opaque cover    | Transparent cover |
| 74                          | 74    | 54    | 65                          | 65    | 47    | 37   | 10    | 5           | Metal       | NSYTBS775                 | -                 | NSYTBP775       | -                 |
| 89                          | 89    | 54    | 80                          | 80    | 47    | 37   | 10    | 5           | Metal       | NSYTBS885                 | -                 | NSYTBP885       | -                 |
| 116                         | 74    | 62    | 105                         | 65    | 55    | 45   | 10    | 5           | Metal       | NSYTBS1176                | -                 | NSYTBP1176      | -                 |
|                             |       | 94    | 105                         | 65    | 85    | 45   | 40    | 3           | Metal       | NSYTBS1179H               | -                 | -               | -                 |
|                             | 116   | 62    | 105                         | 105   | 55    | 45   | 10    | 5           | Plastic     | NSYTBS11116               | -                 | NSYTBP11116     | -                 |
|                             |       | 133   | 105                         | 105   | 125   | 45   | 80    | 2           | Plastic     | NSYTBS111113H             | -                 | -               | -                 |
| 138                         | 93    | 72    | 125                         | 80    | 65    | 45   | 20    | 2           | Plastic     | NSYTBS1397                | NSYTBS1397T       | NSYTBP1397      | NSYTBP1397T       |
| 164                         | 121   | 87    | 150                         | 105   | 80    | 60   | 20    | 2           | Plastic     | NSYTBS16128               | NSYTBS16128T      | NSYTBP16128     | NSYTBP16128T      |
| 192                         | 121   | 87    | 175                         | 105   | 80    | 60   | 20    | 2           | Plastic     | NSYTBS19128               | NSYTBS19128T      | NSYTBP19128     | NSYTBP19128T      |
|                             |       | 105   | 175                         | 105   | 100   | 60   | 40    | 2           | Plastic     | NSYTBS191210H             | NSYTBS191210HT    | NSYTBP191210H   | NSYTBP191210HT    |
|                             | 164   | 87    | 175                         | 150   | 80    | 60   | 20    | 1           | Plastic     | NSYTBS19168               | NSYTBS19168T      | NSYTBP19168     | NSYTBP19168T      |
|                             |       | 105   | 175                         | 150   | 100   | 60   | 40    | 1           | Plastic     | NSYTBS191610H             | NSYTBS191610HT    | NSYTBP191610H   | NSYTBP191610HT    |
| 241                         | 194   | 87    | 225                         | 175   | 80    | 60   | 20    | 1           | Plastic     | NSYTBS24198               | NSYTBS24198T      | NSYTBP24198     | NSYTBP24198T      |
|                             |       | 107   | 225                         | 175   | 100   | 80   | 20    | 1           | Plastic     | NSYTBS241910              | NSYTBS241910T     | NSYTBP241910    | NSYTBP241910T     |
|                             |       | 107   | 225                         | 175   | 100   | 60   | 40    | 1           | Plastic     | NSYTBS241910H             | NSYTBS241910HT    | NSYTBP241910H   | NSYTBP241910HT    |
|                             |       | 127   | 225                         | 175   | 120   | 80   | 40    | 1           | Plastic     | NSYTBS241912H             | NSYTBS241912HT    | NSYTBP241912H   | NSYTBP241912HT    |
| 291                         | 241   | 88    | 275                         | 225   | 80    | 60   | 20    | 1           | Plastic     | NSYTBS29248               | NSYTBS29248T      | NSYTBP29248     | NSYTBP29248T      |
|                             |       | 128   | 275                         | 225   | 120   | 100  | 20    | 1           | Plastic     | NSYTBS292412              | NSYTBS292412T     | NSYTBP292412    | NSYTBP292412T     |
|                             |       | 128   | 275                         | 225   | 120   | 60   | 60    | 1           | Plastic     | NSYTBS292412H             | NSYTBS292412HT    | NSYTBP292412H   | NSYTBP292412HT    |
|                             |       | 168   | 275                         | 225   | 160   | 100  | 60    | 1           | Plastic     | NSYTBS292416H             | NSYTBS292416HT    | NSYTBP292416H   | NSYTBP292416HT    |
| 341                         | 291   | 128   | 325                         | 275   | 120   | 100  | 20    | 1           | Plastic     | NSYTBS342912              | NSYTBS342912T     | NSYTBP342912    | NSYTBP342912T     |
|                             |       | 168   | 325                         | 275   | 160   | 100  | 60    | 1           | Plastic     | NSYTBS342916H             | NSYTBS342916HT    | NSYTBP342916H   | NSYTBP342916HT    |



# Insulating industrial boxes

## Selection guide



| Overall external dimensions (mm) |       |       | Overall internal dimensions (mm) |       |       | Body (mm) | Cover (mm) | Minor pack. | Boxes equipped with IP54 ABS buttons | ABS button boxes, to be equipped |                 |       |              |   |
|----------------------------------|-------|-------|----------------------------------|-------|-------|-----------|------------|-------------|--------------------------------------|----------------------------------|-----------------|-------|--------------|---|
| Height                           | Width | Depth | Height                           | Width | Depth |           |            |             | Function                             | References                       | No. of holes    | Cover | References   |   |
| 74                               | 74    | 83    | -                                | -     | -     | -         | -          | 1           | Emergency switching off              | <b>XALEK1702</b> (1)             | -               | -     | -            |   |
| 116                              | 74    | 62    | 105                              | 65    | 55    | 45        | 10         | 5           | -                                    | -                                | 2               | Grey  | <b>XALE2</b> |   |
|                                  |       | 62    | 105                              | 65    | 55    | 45        | 10         | 5           | -                                    | -                                | 3               | Grey  | <b>XALE3</b> |   |
|                                  |       | 75    | -                                | -     | -     | -         | -          | -           | 1                                    | Start / stop                     | <b>XALE2141</b> | -     | -            | - |
|                                  |       | 75    | -                                | -     | -     | -         | -          | -           | 1                                    | Up / down / stop                 | <b>XALE3255</b> | -     | -            | - |

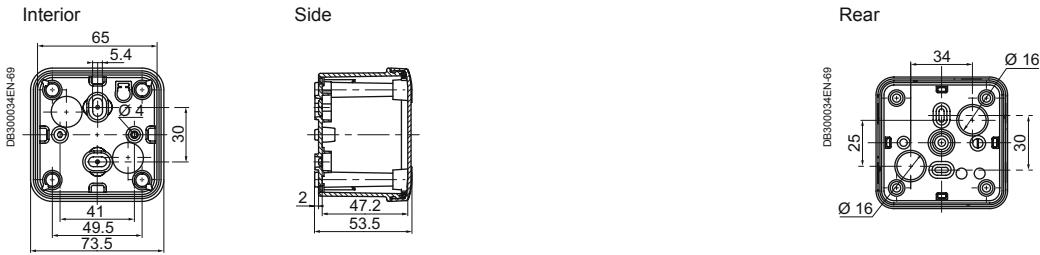
(1) Ref. **XALEK1702** houses an emergency switching off palm button with mechanical locking according to standards IEC 60364-5-53 and 60947-5-5.

### Button description

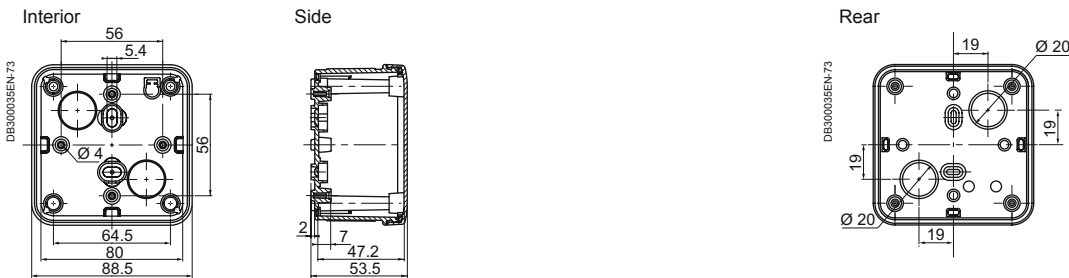
- Emergency switching off function with a red, Ø 40 mm, "turn to unlock" palm button.
- Start / Stop function with 2 push buttons.
- Up / Down / Stop function with 3 push buttons.
- Technical features of the switches:
  - "NC" switch with positive opening manoeuvre according to IEC 60947-5-1 appendix K,
  - mechanical durability of the emergency switch: 0.1 million cycles,
  - mechanical durability of the "NC" and "NO" switches: 5 million cycles,
  - protection against short circuits: 10 A.

| Function                | Type |      |         | Type of push    |
|-------------------------|------|------|---------|-----------------|
|                         | "NO" | "NC" | "C / O" |                 |
| Emergency switching off | 1    | 1    | -       | Latching, red   |
| Start/stop              |      |      |         |                 |
| Start                   | 1    | -    | -       | Flush, green    |
| Stop                    | -    | 1    | -       | Projecting, red |
| Up / down / stop        |      |      |         |                 |
| Up                      | -    | -    | 1       | Flush, black    |
| Down                    | -    | -    | 1       | Flush, white    |
| Stop                    | -    | 1    | -       | Projecting, red |
|                         |      |      |         |                 |

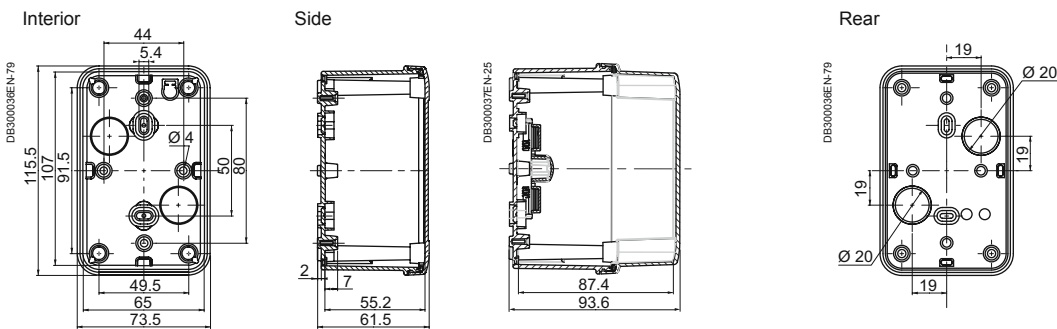
### Box of 74 x 74 x 54 mm (external dimensions) NSYTB...775



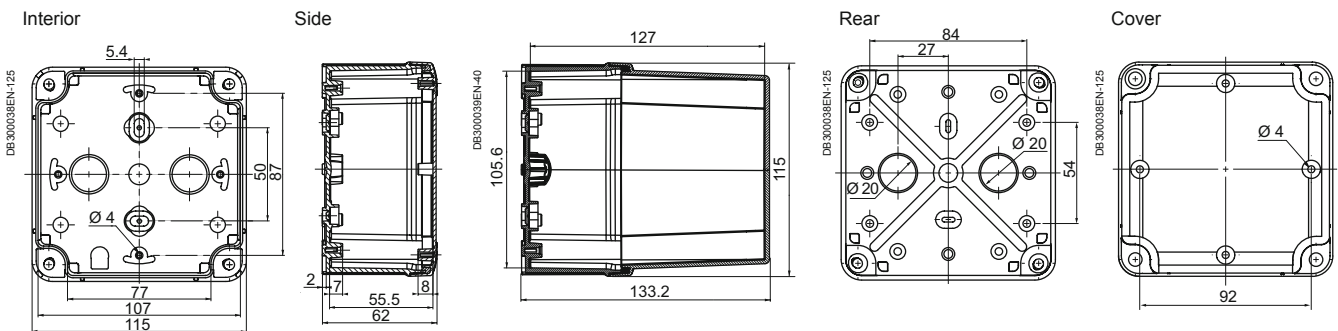
### Box of 89 x 89 x 54 mm (external dimensions) NSYTB...885



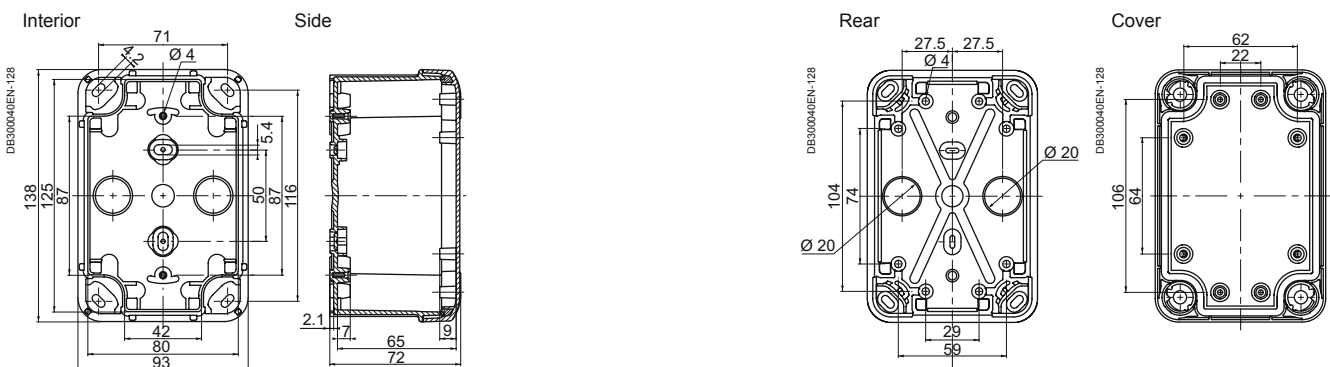
### Box of 116 x 74 x 62 or 94 mm (external dimensions) NSYTB...1176 or NSYTB...1179



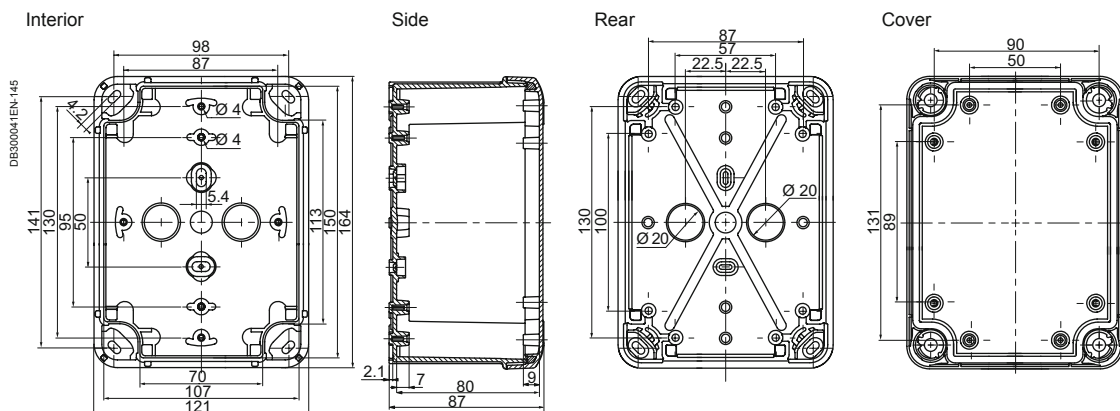
### Box of 116 x 116 x 62 or 133 mm (external dimensions) NSYTB...11116 or NSYTB...11113



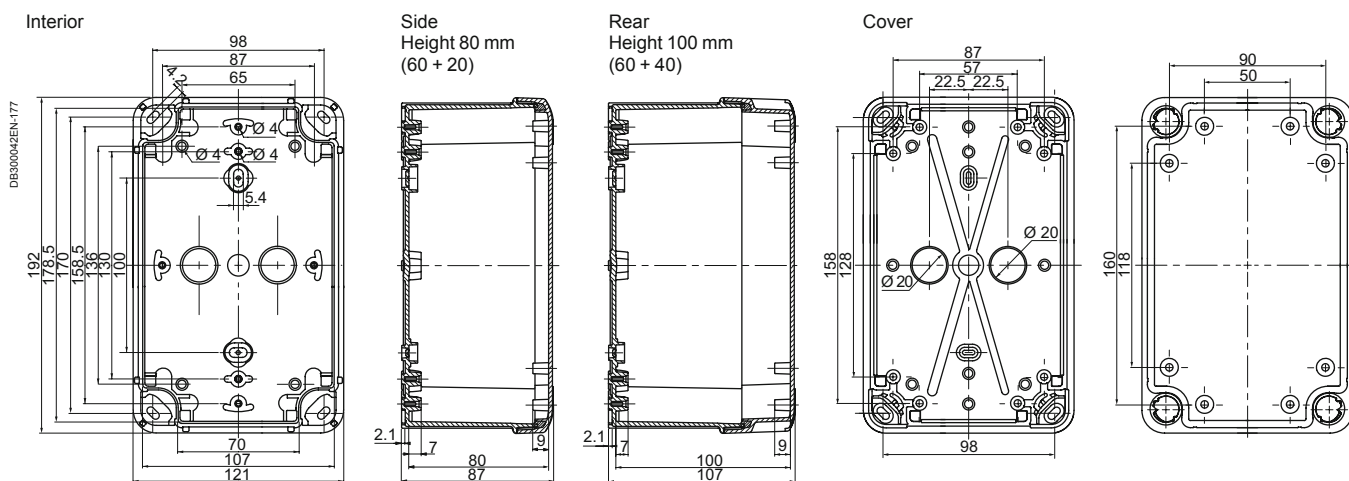
### Box of 138 x 93 x 72 mm (external dimensions) NSYTB...1397



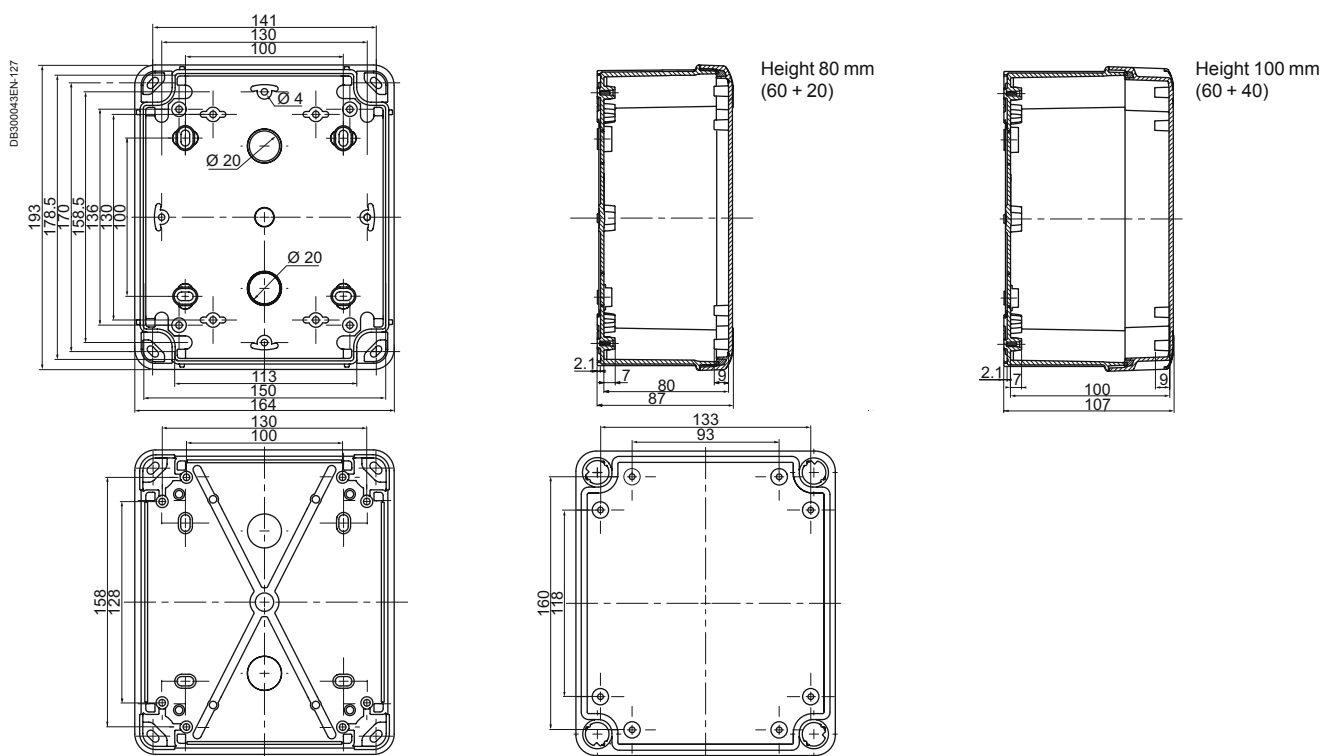
### Box of 164 x 121 x 87 mm (external dimensions) NSYTB...16128



### Box of 192 x 121 x 87 or 105 mm (external dimensions) NSYTB...19128 or NSYTB...191210



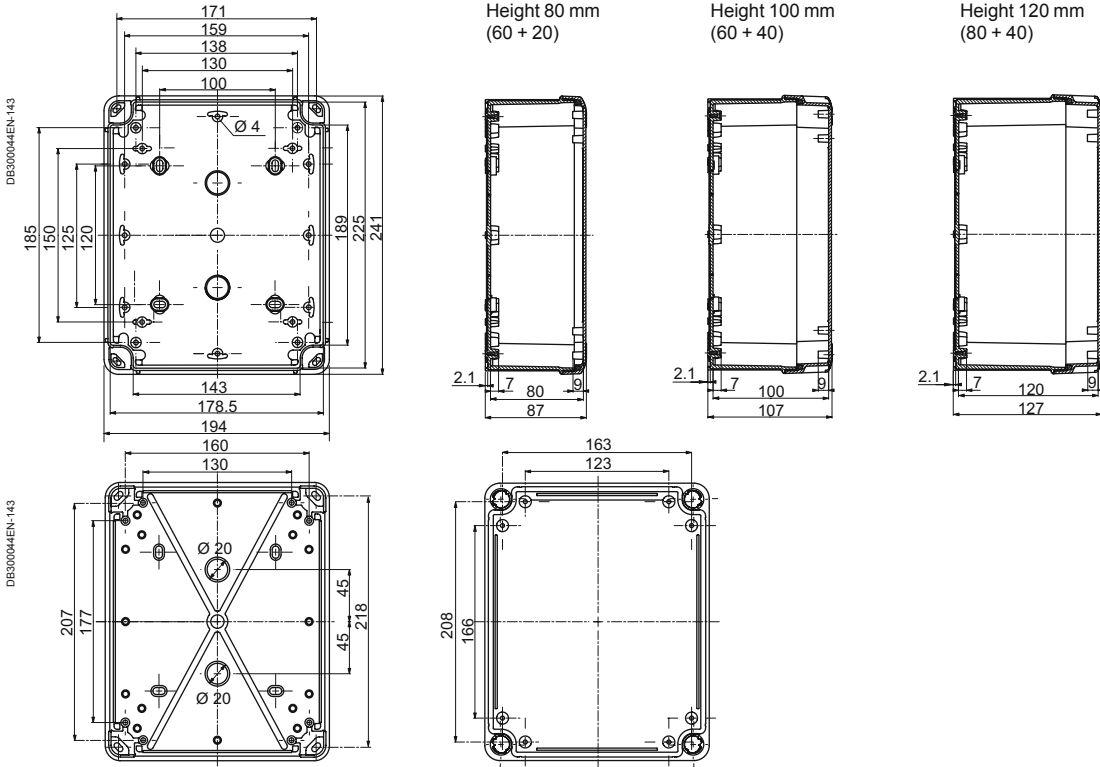
### Box of 192 x 164 x 87 or 105 mm (external dimensions) NSYTB...19168 or NSYTB...191610



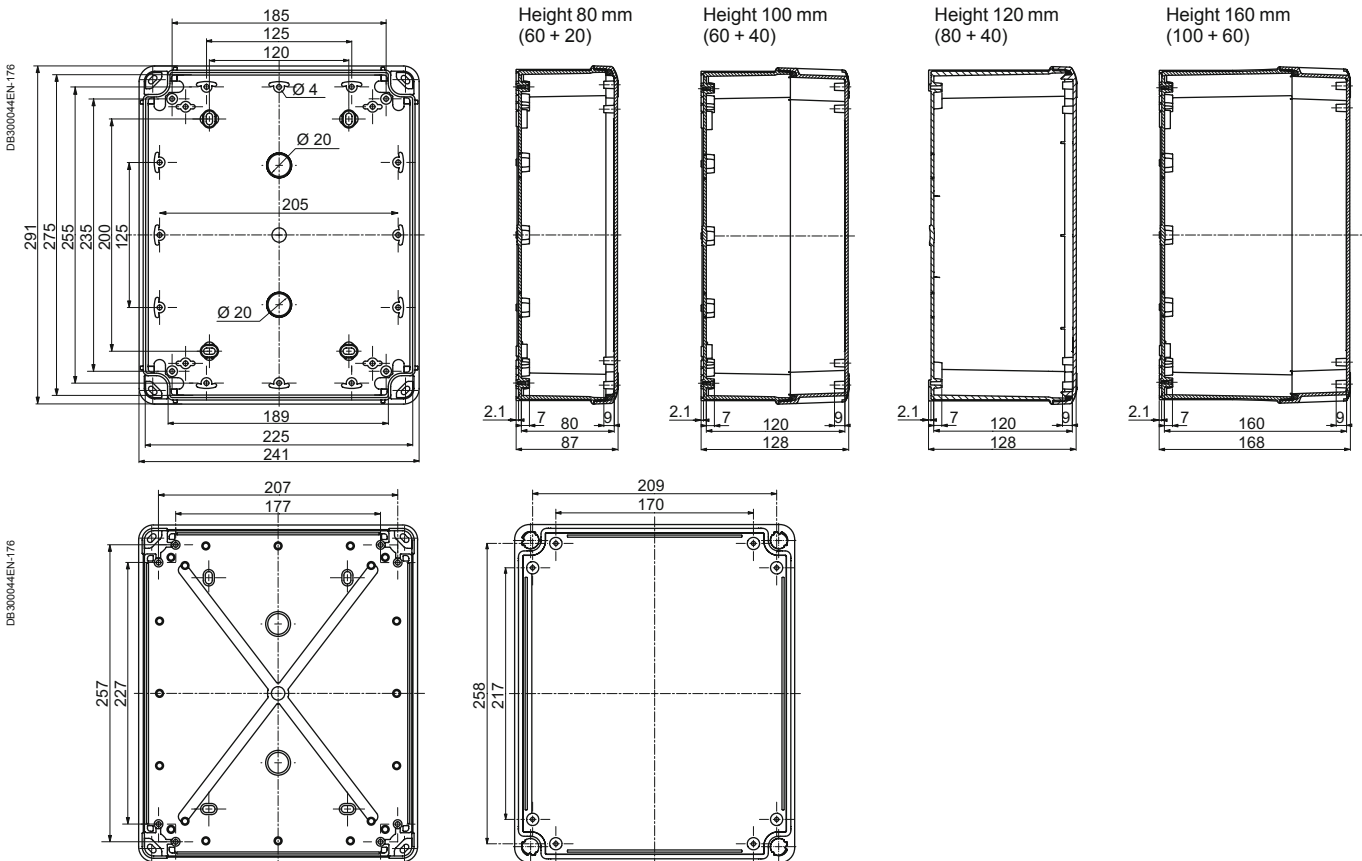
# Insulating industrial boxes

## Dimensions

**Box of 241 x 194 x 87, 107 or 127 mm (external dimensions) NSYTB...24198, NSYTB...241910 or NSYTB...241912**



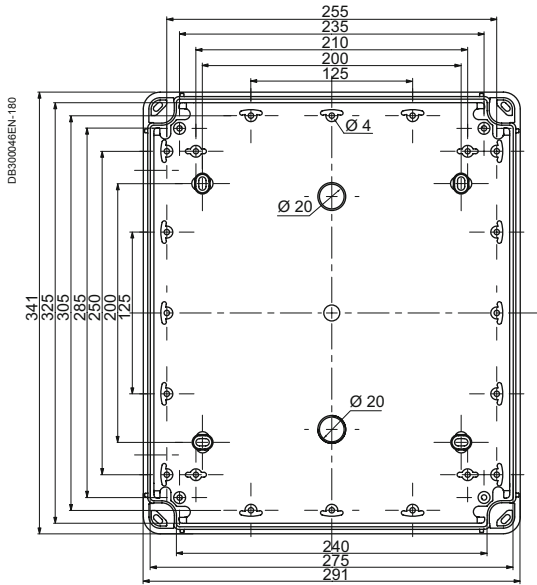
**Box of 291 x 241 x 88, 128 or 168 mm (external dimensions) NSYTB...29248, NSYTB...292412 or NSYTB...292416**



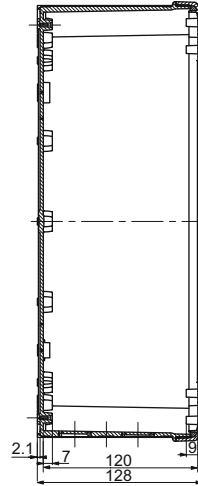
# Insulating industrial boxes

## Dimensions

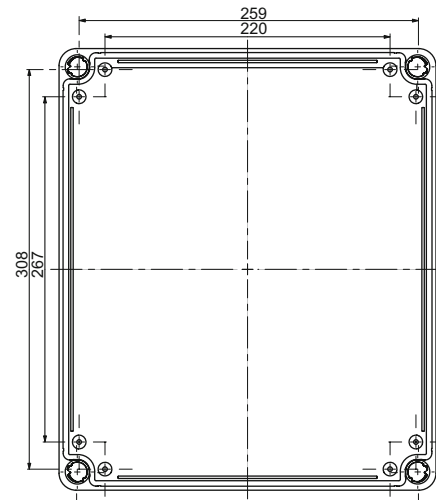
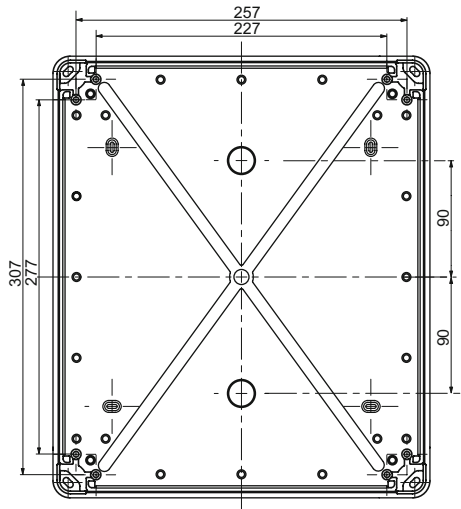
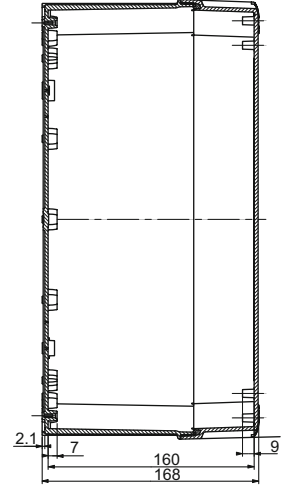
Box of 341 x 291 x 128 or 168 mm (external dimensions) NSYTB...342912 or NSYTB...342916



Height 120 mm  
(80 + 40)

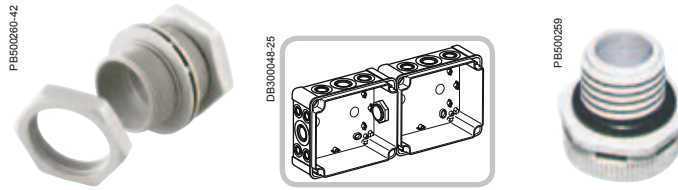


Height 160 mm  
(100 + 60)



# Insulating industrial boxes

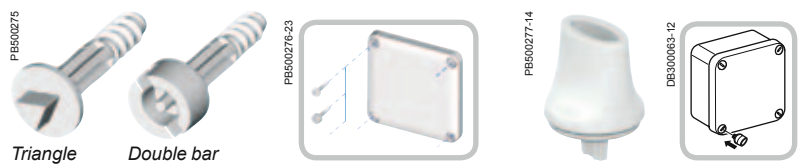
## Specific accessories



| Characteristics           |             | Coupling kit                                                                        | Sealed anti-condensation valve                                                                                                                                                                            |                         |                     |
|---------------------------|-------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------|
|                           |             | The coupling kit allows you to join several boxes with dimensions from 138 x 93 mm. | Controls the pressure to avoid condensation following an internal temperature increase.<br><b>Applications</b><br>Protection of equipment for luminaires, industrial control, transportation, pumps, etc. |                         |                     |
| Material                  |             | Polystyrene 650°                                                                    | PA6-V2, acrylic co-polymer membrane, water and oil repellent                                                                                                                                              |                         |                     |
| Ingress protection rating |             | IP66                                                                                | IP68                                                                                                                                                                                                      |                         |                     |
| Installation              |             | The kit is installed by drilling a hole with Ø 32 mm in the boxes to be coupled     | The valve is installed by drilling a hole with Ø 12 mm in the box                                                                                                                                         |                         |                     |
| Usage temperature         |             | -                                                                                   | -40...+105°C                                                                                                                                                                                              |                         |                     |
| Supply                    |             | The kit consists of 2 linking parts, nuts and seals                                 | 10 valves, nuts and seals                                                                                                                                                                                 |                         |                     |
| Drill Ø                   | Minor pack. | Reference                                                                           | Permeability (1)                                                                                                                                                                                          | Pressure difference (2) | References          |
| 32 mm                     | 1           | <b>13934</b>                                                                        | -                                                                                                                                                                                                         | -                       | -                   |
| M12                       | 10          | -                                                                                   | 16 litres/h                                                                                                                                                                                               | ΔP < 1 bar              | <b>NSYCAG12LPH1</b> |
| M12                       | 10          | -                                                                                   | 120 litres/h                                                                                                                                                                                              | ΔP < 0.1 bar            | <b>NSYCAG12LPH2</b> |
|                           |             |                                                                                     |                                                                                                                                                                                                           |                         |                     |

(1) Air flow under ΔP = 0.7 bar.  
(2) Condition for IP68.

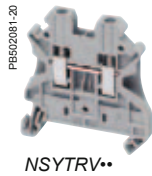
## Cover accessories



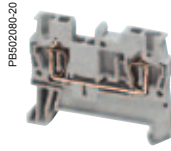
| Characteristics              |             | Set of 4 shape screws                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Pack of 4 handles                                                                                                                                                                                                                                        |                    |
|------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
|                              |             | <ul style="list-style-type: none"> <li>The Thalassa boxes are delivered as standard with slotted-head screws for flat screwdrivers from 4 to 5.5 mm.</li> <li>With box sizes from 138 x 93 x 72 mm, these screws can be replaced for screws with different standardised heads, to comply with most cases.</li> <li>After removing the standard screw, simply position the new screw by pressing on it.</li> <li>The adapter clips (intermediate parts for tightening the cover on the body of the box) are the same as those for the standard screws. They are not delivered with the shape screws (see drawing on page 152).</li> <li>A single key for opening the boxes as well as the other enclosures of your installation.</li> </ul> | <ul style="list-style-type: none"> <li>The handle (or thumbwheel) allows the screws to be handled without any tools. It is ideally associated with a box equipped with hinges.</li> <li>It snaps onto the head of the standard plastic screw.</li> </ul> |                    |
| Type                         | Minor pack. | Height of the lid (mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                          |                    |
|                              |             | <b>20</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>40</b>                                                                                                                                                                                                                                                | <b>60</b>          |
| Triangle                     | 6.5 mm      | <b>NSYAEDST620TB (1)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                                                                                                                                                                                                                                                        | -                  |
|                              | 8 mm        | <b>NSYAEDST820TB</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -                                                                                                                                                                                                                                                        | -                  |
| Double bar                   | 3 mm        | <b>NSYAEDSB320TB</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -                                                                                                                                                                                                                                                        | -                  |
|                              | 5 mm        | <b>NSYAEDSB520TB</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -                                                                                                                                                                                                                                                        | -                  |
| Spare standard plastic screw | 1           | <b>NSYAEDS20TB</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>NSYAEDS40TB</b>                                                                                                                                                                                                                                       | <b>NSYAEDS60TB</b> |
| Pack of 4 handles            | 1           | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -                                                                                                                                                                                                                                                        | <b>NSYAEDKTB</b>   |

(1) CNOMO.

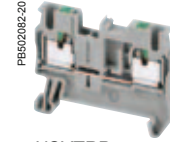
### Terminal blocks



NSYTRV\*\*

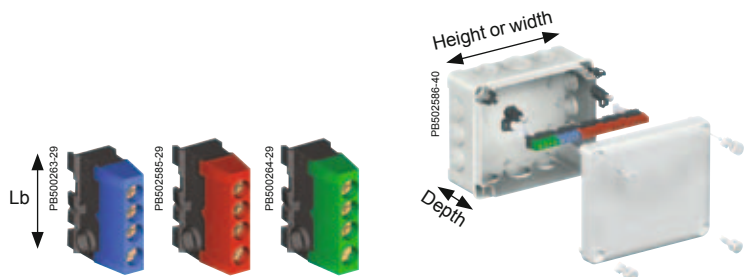


NSYTRR\*\*



NSYTRP\*\*

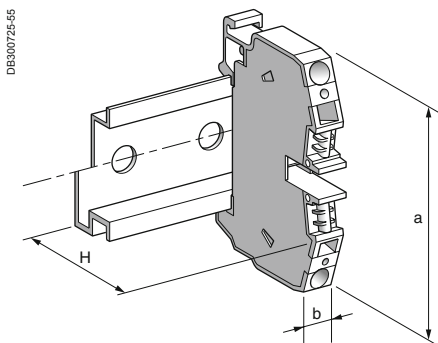
| Characteristics                         | DIN rail terminal blocks                                                                                                                                                                                                                                                                                                                       |        |        |            |                   |        |        |            |                      |  |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|------------|-------------------|--------|--------|------------|----------------------|--|
|                                         | <ul style="list-style-type: none"> <li>The new Linergy TR terminal blocks have 3 types of connections: screw, spring or "push-in" and they can be mounted on a DIN rail.</li> <li>Connection capacity from 1.5 mm<sup>2</sup> up to 150 mm<sup>2</sup>.</li> <li>Available in grey, blue, orange, red, green, black or white color.</li> </ul> |        |        |            |                   |        |        |            |                      |  |
| Minor pack.                             | 50                                                                                                                                                                                                                                                                                                                                             |        |        |            |                   |        |        |            |                      |  |
| Type                                    | Screw connection                                                                                                                                                                                                                                                                                                                               |        |        |            | Spring connection |        |        |            | "Push-in" connection |  |
|                                         | H (mm)                                                                                                                                                                                                                                                                                                                                         | W (mm) | D (mm) | References | H (mm)            | W (mm) | D (mm) | References | References           |  |
| Passthrough, 2.5 mm <sup>2</sup> , grey | 47.7                                                                                                                                                                                                                                                                                                                                           | 5.2    | 47.5   | NSYTRV22   | 36.5              | 5.2    | 48.5   | NSYTRR22   | NSYTRP22             |  |
| Passthrough, 2.5 mm <sup>2</sup> , blue | 47.7                                                                                                                                                                                                                                                                                                                                           | 5.2    | 47.5   | NSYTRV22BL | 36.5              | 5.2    | 48.5   | NSYTRR22BL | NSYTRP22BL           |  |
| Protective earth, 2.5 mm <sup>2</sup>   | 47.7                                                                                                                                                                                                                                                                                                                                           | 5.2    | 47.5   | NSYTRV22PE | 36.5              | 5.2    | 48.5   | NSYTRR22PE | NSYTRP22PE           |  |
| Passthrough, 4 mm <sup>2</sup> , grey   | 47.7                                                                                                                                                                                                                                                                                                                                           | 6.2    | 47.5   | NSYTRV44   | 36.5              | 6.2    | 56     | NSYTRR42   | NSYTRP42             |  |
| Passthrough, 4 mm <sup>2</sup> , blue   | 47.7                                                                                                                                                                                                                                                                                                                                           | 6.2    | 47.5   | NSYTRV44BL | 36.5              | 6.2    | 56     | NSYTRR42BL | NSYTRP42BL           |  |
| Protective earth, 4 mm <sup>2</sup>     | 47.7                                                                                                                                                                                                                                                                                                                                           | 6.2    | 47.5   | NSYTRV44PE | 36.5              | 6.2    | 56     | NSYTRR42PE | NSYTRP42PE           |  |



| Characteristics                                                   | 4-hole terminal blocks                                                                                                                                                                                                                                                                                                                                                                              |                |               |
|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------|
|                                                                   | <ul style="list-style-type: none"> <li>The terminal-block support bar is particularly well suited to the thermoplastic boxes.</li> <li>Boxes with sizes from 192 x 116 mm can accommodate a terminal-block support bar of 12 x 2 mm.</li> <li>The screwing terminal blocks are easily clipped onto this bar.</li> <li>Terminal-block connection capacity: see the selection table below.</li> </ul> |                |               |
| Minor pack.                                                       | 10                                                                                                                                                                                                                                                                                                                                                                                                  | 5              | 5             |
| Type                                                              | Red (live)                                                                                                                                                                                                                                                                                                                                                                                          | Blue (neutral) | Green (earth) |
| 4-hole terminal blocks* 2 x 10 <sup>2</sup> + 2 x 16 <sup>2</sup> | IMT34003                                                                                                                                                                                                                                                                                                                                                                                            | IMT34005       | IMT34007      |
| Earth terminal block** 2 x 25 <sup>2</sup>                        | IMT34009                                                                                                                                                                                                                                                                                                                                                                                            | -              | -             |

\* Terminal block length (Lb): 30 mm.

\*\* The earth terminal snap fits into boxes with dimensions of less than 116 x 116 mm.



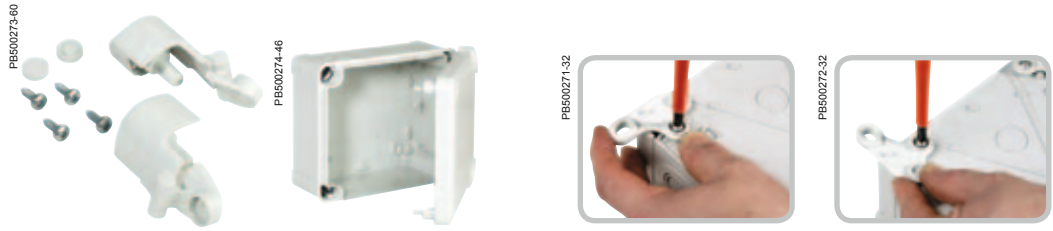
| Terminal-block support bar |            |             |            | No. of Terminal blocks<br>2 x 10 <sup>2</sup> + 2 x 16 <sup>2</sup><br>4 holes | Support length<br>Ls (mm) |
|----------------------------|------------|-------------|------------|--------------------------------------------------------------------------------|---------------------------|
| Height or width            | Min. depth | Minor pack. | References |                                                                                |                           |
| 192                        | 87         | 1           | IMT34000   | 4                                                                              | 140                       |
| 241                        | 87         | 1           | IMT34001   | 6                                                                              | 185                       |
| 291                        | 128        | 1           | IMT34002   | 8                                                                              | 235                       |

Discover our complete terminal blocks range in LVYED213001EN.

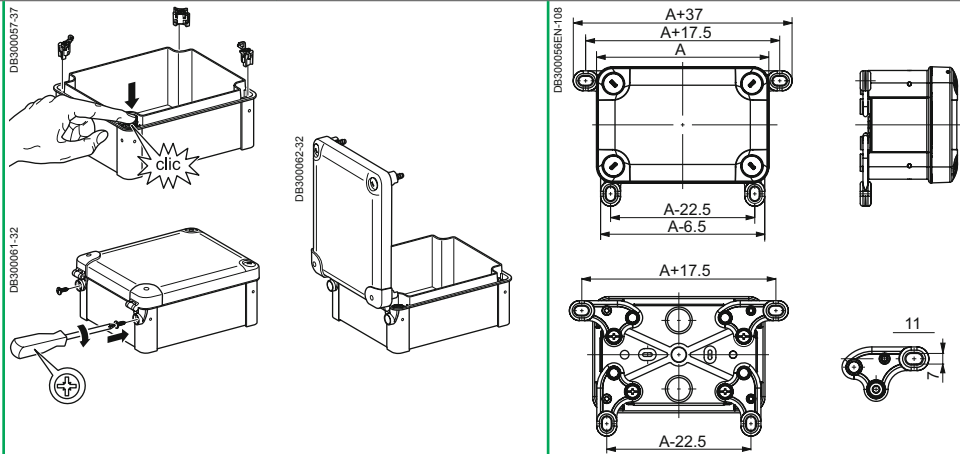
# Insulating industrial boxes

## Specific accessories

### Hinges



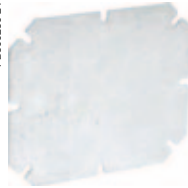
| Characteristics           | Set of 2 hinges                                                                                                                                                                                                      | Set of 4 fixing lugs                                                                                            |            |    |             |    |             |                       |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------|----|-------------|----|-------------|-----------------------|
| Ingress protection rating | IP66                                                                                                                                                                                                                 | IP66                                                                                                            |            |    |             |    |             |                       |
| Installation              | <ul style="list-style-type: none"> <li>The hinge allows an opening angle &gt; 200°</li> <li>The hinge does not require any machining and is installed easily even with the box already equipped</li> </ul>           | Installation by a single screw at the last moment, with the box closed and equipped                             |            |    |             |    |             |                       |
| Maximum load              | Hinged cover: 10 kg/m <sup>2</sup>                                                                                                                                                                                   | <ul style="list-style-type: none"> <li>Body: 30 kg/m<sup>2</sup></li> <li>Cover: 10 kg/m<sup>2</sup></li> </ul> |            |    |             |    |             |                       |
| Minor pack.               | 1                                                                                                                                                                                                                    | 1                                                                                                               |            |    |             |    |             |                       |
| Supply                    | The hinges (2 per set) are delivered with the fixings                                                                                                                                                                | 4 lugs + screws                                                                                                 |            |    |             |    |             |                       |
|                           | <table border="1"> <thead> <tr> <th>Height of the lid (mm)</th> <th>References</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>NSYAEDH20TB</td> </tr> <tr> <td>40</td> <td>NSYAEDH40TB</td> </tr> </tbody> </table> | Height of the lid (mm)                                                                                          | References | 20 | NSYAEDH20TB | 40 | NSYAEDH40TB | Reference<br>NSYAEFTB |
| Height of the lid (mm)    | References                                                                                                                                                                                                           |                                                                                                                 |            |    |             |    |             |                       |
| 20                        | NSYAEDH20TB                                                                                                                                                                                                          |                                                                                                                 |            |    |             |    |             |                       |
| 40                        | NSYAEDH40TB                                                                                                                                                                                                          |                                                                                                                 |            |    |             |    |             |                       |





### Installation accessories

PB500256-24

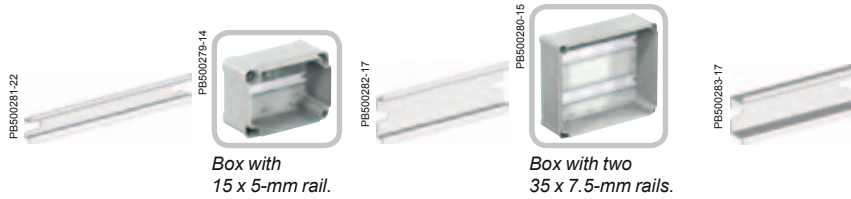


PB500257-24

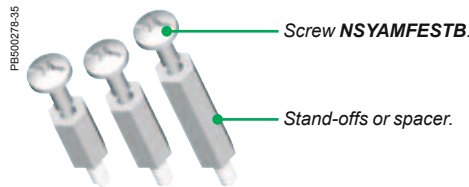


| Characteristics |       |                 |       |             | Mounting plates                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                  |                  |
|-----------------|-------|-----------------|-------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------|
|                 |       |                 |       |             | Mounting plates made to adapt to all usage scenarios.                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                  |                  |
| Material        |       |                 |       |             | Galvanised-steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Insulating polyester plate reinforced with fibreglass, halogen-free: glow wire resistance 750°C. |                  |
| Thickness       |       |                 |       |             | 15/10° mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 25/10° mm                                                                                        |                  |
| Installation    |       |                 |       |             | <ul style="list-style-type: none"> <li>■ Fixing by means of Ø 4-mm self-tapping screws, Pozidrive and slotted head, ref. <b>NSYAMFSTB</b></li> <li>■ To raise the plate, use the stand-offs ref. <b>NSYAMFET154TB</b>, <b>NSYAMFET204TB</b>, <b>NSYAMFET304TB</b> and the screw <b>NSYAMFESTB</b></li> <li>■ To stack several mounting plates, use the spacers, ref. <b>NSYAMFEP154TB</b>, <b>NSYAMFEP204TB</b>, <b>NSYAMFEP304TB</b> and the screw <b>NSYAMFESTB</b></li> </ul> |                                                                                                  |                  |
| Supply          |       |                 |       |             | Plates supplied without screws                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                  |                  |
| Box (mm)        |       | Dimensions (mm) |       | Minor pack. | References                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                  |                  |
| Height          | Width | A               | B     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                  |                  |
| 192             | 164   | 168.5           | 140   | 1           | <b>NSYAMP1916TB</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYAMPA1916TB</b>                                                                             |                  |
| 241             | 194   | 215             | 168.5 | 1           | <b>NSYAMP2419TB</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYAMPA2419TB</b>                                                                             |                  |
| 291             | 241   | 265             | 215   | 1           | <b>NSYAMP2924TB</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYAMPA2924TB</b>                                                                             |                  |
| 341             | 291   | 315             | 265   | 1           | <b>NSYAMP3429TB</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYAMPA3429TB</b>                                                                             |                  |
|                 |       |                 |       |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                  |                  |
| Accessories     |       |                 |       |             | Pack of 100 screws                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                  |                  |
| Ø 4 x 10 mm     |       |                 |       |             | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>NSYAMFSTB</b>                                                                                 | <b>NSYAMFSTB</b> |

### Installation accessories



| Characteristics                     |             | Rails                                                                                                                                                                                                                                    |             |                       |             |                        |  |
|-------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|-------------|------------------------|--|
|                                     |             | Symmetric DIN rails.<br>■ A 15 x 5-mm rail is provided for the compact terminal blocks.<br>■ To raise the rail, use stand-offs ref. <b>NSYAMFET154TB</b> , <b>NSYAMFET204TB</b> , <b>NSYAMFET304TB</b> and the screw <b>NSYAMFESTB</b> . |             |                       |             |                        |  |
| Installation                        |             | Fixing of the rails with Ø 4-mm self-tapping screws, (not included), Pozidrive and slotted head, ref. <b>NSYAMFSTB</b>                                                                                                                   |             |                       |             |                        |  |
| Supply                              |             | Supplied without screws (except for the 15 x 5 mm rails)                                                                                                                                                                                 |             |                       |             |                        |  |
| For boxes with height or width (mm) |             | 15 x 5 mm                                                                                                                                                                                                                                |             | 35 x 7.5 mm           |             | 35 x 15 mm             |  |
|                                     | Minor pack. | References                                                                                                                                                                                                                               | Minor pack. | References            | Minor pack. | References             |  |
| 105                                 | 10          | <b>NSYAMRD11155TB</b>                                                                                                                                                                                                                    | 10          | <b>NSYAMRD11357TB</b> | -           | -                      |  |
| 150                                 | 10          | <b>NSYAMRD16155TB</b>                                                                                                                                                                                                                    | 10          | <b>NSYAMRD16357TB</b> | -           | -                      |  |
| 175                                 | 10          | <b>NSYAMRD19155TB</b>                                                                                                                                                                                                                    | 10          | <b>NSYAMRD19357TB</b> | -           | -                      |  |
| 225                                 | 10          | <b>NSYAMRD24155TB</b>                                                                                                                                                                                                                    | 10          | <b>NSYAMRD24357TB</b> | 10          | <b>NSYAMRD243515TB</b> |  |
| 275                                 | 10          | <b>NSYAMRD29155TB</b>                                                                                                                                                                                                                    | 10          | <b>NSYAMRD29357TB</b> | 10          | <b>NSYAMRD293515TB</b> |  |
| 325                                 | 10          | <b>NSYAMRD34155TB</b>                                                                                                                                                                                                                    | 10          | <b>NSYAMRD34357TB</b> | 10          | <b>NSYAMRD343515TB</b> |  |
|                                     |             |                                                                                                                                                                                                                                          |             |                       |             |                        |  |
| Accessories                         |             | Pack of 100 screws                                                                                                                                                                                                                       |             |                       |             |                        |  |
| Ø 4 x 10 mm                         |             | <b>NSYAMFSTB</b>                                                                                                                                                                                                                         |             |                       |             |                        |  |



| Characteristics |             | Stand-offs                                                                                                                                                                                                                                         | Spacers                                                           |
|-----------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|
|                 |             | Stand-offs consisting of a Ø 4-mm self-tapping thread at one end (for direct screwing into the rivets of the box) and an M4 tapping on the other end, for direct installation of a card with an M4 screw, ref. <b>NSYAMFESTB</b> , or of a spacer. | Spacer for installation on the stand-offs. M4 thread and tapping. |
| Material        |             | Steel                                                                                                                                                                                                                                              | Steel                                                             |
| Supply          |             | Set of four M4 self-tapping stand-offs                                                                                                                                                                                                             | Set of four M4 spacers                                            |
| Height (mm)     | Minor pack. | References                                                                                                                                                                                                                                         | References                                                        |
| 15              | 1           | <b>NSYAMFET154TB</b>                                                                                                                                                                                                                               | <b>NSYAMFEP154TB</b>                                              |
| 20              | 1           | <b>NSYAMFET204TB</b>                                                                                                                                                                                                                               | <b>NSYAMFEP204TB</b>                                              |
| 30              | 1           | <b>NSYAMFET304TB</b>                                                                                                                                                                                                                               | <b>NSYAMFEP304TB</b>                                              |
|                 |             |                                                                                                                                                                                                                                                    |                                                                   |
| Accessories     |             | Screw for stand-offs and spacers                                                                                                                                                                                                                   |                                                                   |
|                 |             | M4 x 10 mm screw for fixing cards on the spacers and stand-offs.<br>■ The plate always at the right level.<br>■ A single Ø 4-mm screw for fixing any element.                                                                                      |                                                                   |
| Supply          |             | Batch of 50 screws                                                                                                                                                                                                                                 |                                                                   |
|                 | Minor pack. | <b>References</b>                                                                                                                                                                                                                                  |                                                                   |
|                 | 1           | <b>NSYAMFESTB</b>                                                                                                                                                                                                                                  |                                                                   |

### Cable entries overview



| Characteristics                                     | Simple-1                                                           | Simple-2                                                                       | Simple-3                                                        | Simple-4                                                                                       | Simple-5         |
|-----------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------|
|                                                     | Mixed membrane entries for enclosure thickness 20/10° - 32/10° mm. | PVC adjustable cone-shaped entries for enclosure thickness 30/10° - 32/10° mm. | Quick cable entries for enclosure thickness 10/10° - 40/10° mm. | PVC adjustable cone-shaped entries for Pg tubes or for enclosure thickness 12/10° - 15/10° mm. | ISO cable gland. |
| Cable entry material                                | Soft membrane                                                      |                                                                                | Combined                                                        |                                                                                                |                  |
| Cable glands to be fitted                           | Not applicable                                                     |                                                                                |                                                                 |                                                                                                |                  |
| Installation possibilities                          | On cable gland plate or directly on enclosure                      |                                                                                |                                                                 |                                                                                                |                  |
| Flexibility of the installation                     | Low                                                                |                                                                                |                                                                 |                                                                                                |                  |
| Reversibility                                       | Medium                                                             |                                                                                |                                                                 |                                                                                                |                  |
| Ingress protection rating                           | IP55                                                               | IP55                                                                           | IP67                                                            | IP55                                                                                           | IP68             |
| Cable retention                                     | Low                                                                | Low                                                                            | Medium                                                          | Low                                                                                            | High             |
| Cable diameter (mm)                                 | From 20 to 40                                                      | From 18 to 87                                                                  | From 12 to 50                                                   | From 16 to 44                                                                                  | From 12 to 40    |
| Cable Installation time                             | Fast                                                               | Fast                                                                           | Fast                                                            | Fast                                                                                           | Slow             |
| Quantity of cables to be fitted for a given surface | +                                                                  | +                                                                              | +                                                               | +                                                                                              | +                |
| Cable entries for cables with connectors            | No                                                                 | No                                                                             | No                                                              | No                                                                                             | No               |
| Cut-out dimensions (mm)                             | Various circular hole diameters according to cable diameter        |                                                                                |                                                                 |                                                                                                |                  |
| External dimensions (mm)                            | -                                                                  | From Ø 25 to 98                                                                | -                                                               | From Ø 25 to 52                                                                                | From Ø 15 to 46  |
| Certificates                                        | -                                                                  | -                                                                              | -                                                               | -                                                                                              | -                |
| Flame resistance                                    | 750°C                                                              | -                                                                              | 750°C                                                           | -                                                                                              | 750°C            |
| <b>References*</b>                                  |                                                                    |                                                                                |                                                                 |                                                                                                |                  |
| See page                                            | 280                                                                | 280                                                                            | 281                                                             | 281                                                                                            | 280              |

\* For details, type reference in the search engine of [www.schneider-electric.com](http://www.schneider-electric.com).

### Spare Parts

#### Accessories bag



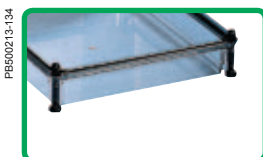
**Reference**  
NSYTBPASBS

> **PLS boxes:** polyester rear and PC transparent cover with hinges and wing screws for manual opening.



### Modular

The dimensions of the sides, multiples of 9 cm, allow the creation of assemblies.



### Protection

- IP65.
- Gasket between body and cover.
- IK09.
- Insulation Class II.



### Easy

Bosses with inserts, at the rear of the body, for fixing plates or various supports.

**This range can be configured according to your needs**

4 different services available:



Assemble to order



Mounting of standard accessories



Painting



Machining

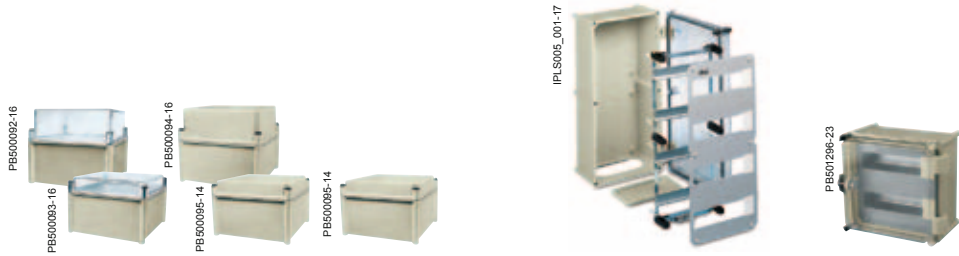
See page 450 for details or consult our web site [www.schneider-electric.com](http://www.schneider-electric.com)

# Insulating modular boxes

## Characteristics



Class II



| Characteristics              | Complete box                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Insulating modular boxes with modular distribution chassis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Modular distribution chassis                                                                                                                                                         |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              | <ul style="list-style-type: none"> <li>■ Insulating boxes that can be coupled by all their side surfaces, allowing the creation of the greatest variety of modular assemblies.</li> <li>■ The product references show the two lateral dimensions in cm.</li> <li>■ 14 sizes of insulating boxes; the sides are multiples of 9 cm.</li> <li>■ Rear made from polyester reinforced with fibreglass, moulded by hot compression, 9 sizes.</li> <li>■ 3 types of cover available according to the sizes:                             <ul style="list-style-type: none"> <li>□ standard cover, made from transparent polycarbonate with neoprene gasket, 45 mm high,</li> <li>or 95 mm high (final index A) according to the sizes,</li> <li>□ opaque polycarbonate cover (index C), with neoprene gasket, 45 mm high, or 95 mm high (final index A) according to the sizes,</li> <li>□ polyester reinforced with fibreglass cover (index P) with PUR gasket, 45 mm high.</li> </ul> </li> <li>■ Complete box includes rear, cover, locking screws and sealing device.</li> <li>■ The rears (prefix F) and the covers (prefix T) are supplied separately as standard references. The separate covers are supplied without locking screws or sealing accessories.</li> <li>■ The PLS enclosures with transparent cover are also offered in batches; the reference refers to the complete batch.</li> <li>■ Excellent resistance to corrosion; can withstand most chemical agents.</li> <li>■ Full insulation to create class II assemblies.</li> <li>■ Standard lock with slot screws outside the volume of the boxes. Delivered with sealing system.</li> <li>■ External wall-mounting by 4 lugs, to be ordered separately.</li> <li>■ Service temperature: -30 to +70°C.</li> <li>■ Bosses with M6 inserts for fixing the mounting plate.</li> <li>■ Halogen-free and compliant with the RoHS directive.</li> </ul> | <p>PLS boxes, polyester rear and PC transparent cover with hinges and wing screws for manual opening.</p> <p>Built-in DLS modular chassis, made up of an insulating protection panel, RAL 7011 colour, 35-mm DIN rails and a 2 x 16 + 5 x 6 mm<sup>2</sup> neutral/earth connection strip.</p> <ul style="list-style-type: none"> <li>■ Opening for cable entry, delivered with lock plate, ref. <b>NSYTL27270</b>.</li> <li>■ Double-insulating installation.</li> <li>■ Plastic external hinges, allowing opening to 180°.</li> <li>■ Removable 36-mm blanking covers (2 modules): 1 per row in the standard offer.</li> </ul> | <p>Built-in DLS modular chassis, made up of an insulating protection panel, RAL 7011 colour, 35-mm DIN rails and a 2 x 16 + 5 x 6 mm<sup>2</sup> neutral/earth connection strip.</p> |
| Colour                       | RAL 7032 grey* (opaque rears and cover)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                                                                                                                                                                                    |
| Ingress protection rating    | IP65                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                                                                                                                                                                                    |
| Mechanical protection rating | IK09                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                                                                                                                                                                                    |
| Certifications               | <ul style="list-style-type: none"> <li>■ Certification according to standard IEC 62208, guaranteeing IP, IK, resistance to heat and fire (self-extinguishing), insulation to 5000 V, and load of the mounting plate, 100 kg/m<sup>2</sup></li> <li>■ UL508A** CAN/CSA-C22.2 - Types 1, 2, 3, 3R, 3S, 4, 4X, 12 and 13</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                                                                                                                                                                                    |
| Installation                 | Outdoor installation: compliant with IEC 62208 regarding type tests specified in §9.12 (resistance to ultra-violet (UV) radiation) and §9.13 (resistance to corrosion). It is always advisable to install a canopy to avoid water stagnation on the upper part of the enclosure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                                                                                                                                                                                    |
| Options                      | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | The boxes can be equipped with a double-bar lock and handle ref. <b>NSYCL27M</b> , or a lock with key ref. <b>NSYCL27L405</b> , by specific demand                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -                                                                                                                                                                                    |
| Supply                       | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | The modular chassis can be ordered separately                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                                                                                                                                                                                    |

\* RAL 7035 from 2016.

\*\* **NSYPLS**, **NSYPLSP** and **NSYPLSC** followed by suffixes.

# Insulating modular boxes

## Selection guide



| Dimensions (mm) |       |       | Complete box      |              |                 | Complete boxes in batches |                  |
|-----------------|-------|-------|-------------------|--------------|-----------------|---------------------------|------------------|
| Height          | Width | Depth | Transparent cover | Opaque cover | Polyester cover | Transparent cover         | Amount per batch |
| 180             | 270   | 180   | NSYPLS1827        | NSYPLSC1827  | NSYPLSP1827     | NSYPLS1827L               | 56               |
| 270             | 270   | 180   | NSYPLS2727        | NSYPLSC2727  | NSYPLSP2727     | NSYPLS2727L               | 56               |
|                 |       | 230   | NSYPLS2727A       | NSYPLSC2727A | -               | NSYPLS2727AL              | 56               |
|                 | 360   | 180   | NSYPLS2736        | NSYPLSC2736  | NSYPLSP2736     | NSYPLS2736L               | 56               |
|                 |       | 230   | NSYPLS2736A       | NSYPLSC2736A | -               | NSYPLS2736AL              | 56               |
|                 | 540   | 180   | NSYPLS2754        | NSYPLSC2754  | NSYPLSP2754     | NSYPLS2754L               | 28               |
|                 |       | 230   | NSYPLS2754A       | NSYPLSC2754A | -               | NSYPLS2754AL              | 28               |
| 360             | 270   | 180   | -                 | -            | -               | -                         | -                |
|                 |       | 360   | NSYPLS3636        | NSYPLSC3636  | NSYPLSP3636     | NSYPLS3636L               | 28               |
|                 | 540   | 180   | NSYPLS3654        | NSYPLSC3654  | NSYPLSP3654     | NSYPLS3654L               | 28               |
|                 |       | 230   | NSYPLS3654A       | NSYPLSC3654A | -               | NSYPLS3654AL              | 28               |
|                 | 720   | 230   | NSYPLS3672A       | NSYPLSC3672A | -               | NSYPLS3672AL              | 27               |
|                 |       | 230   | NSYPLS3672A       | NSYPLSC3672A | -               | NSYPLS3672AL              | 27               |
| 540             | 270   | 180   | -                 | -            | -               | -                         | -                |
|                 |       | 540   | NSYPLS5454        | NSYPLSC5454  | NSYPLSP5454     | NSYPLS5454L               | 14               |
|                 | 720   | 230   | NSYPLS5454A       | NSYPLSC5454A | -               | NSYPLS5454AL              | 14               |
|                 |       | 230   | NSYPLS5472A       | NSYPLSC5472A | -               | NSYPLS5472AL              | 14               |

\*Approximate weight.



| Dimensions (mm) |       |       | Rear        | Low covers: 45 mm |              |              |              |
|-----------------|-------|-------|-------------|-------------------|--------------|--------------|--------------|
| Height          | Width | Depth | 135 mm      | Transparent       | Opaque       | Polyester    |              |
| 180             | 270   | 180   | NSYFPLS1827 | NSYTPLS1827       | NSYTPLSC1827 | NSYTPLSP1827 |              |
| 270             | 270   | 180   | NSYFPLS2727 | NSYTPLS2727       | NSYTPLSC2727 | NSYTPLSP2727 |              |
|                 |       | 230   | NSYFPLS2727 | -                 | -            | -            |              |
|                 | 360   | 180   | NSYFPLS2736 | NSYTPLS2736       | NSYTPLSC2736 | NSYTPLSP2736 |              |
|                 |       | 230   | NSYFPLS2736 | -                 | -            | -            |              |
|                 | 540   | 180   | NSYFPLS2754 | NSYTPLS2754       | NSYTPLSC2754 | NSYTPLSP2754 |              |
|                 |       | 230   | NSYFPLS2754 | -                 | -            | -            |              |
| 360             | 360   | 180   | NSYFPLS3636 | NSYTPLS3636       | NSYTPLSC3636 | NSYTPLSP3636 |              |
|                 |       | 540   | NSYFPLS3654 | NSYTPLS3654       | NSYTPLSC3654 | NSYTPLSP3654 |              |
|                 | 720   | 230   | NSYFPLS3654 | -                 | -            | -            |              |
|                 |       | 230   | NSYFPLS3672 | -                 | -            | -            |              |
|                 | 540   | 540   | 180         | NSYFPLS5454       | NSYTPLS5454  | NSYTPLSC5454 | NSYTPLSP5454 |
|                 |       |       | 230         | NSYFPLS5454       | -            | -            | -            |
| 720             |       | 230   | NSYFPLS5472 | -                 | -            | -            |              |

# Insulating modular boxes

## Selection guide



| Insulating modular boxes with modular distribution chassis |             |              |                 |            | Modular distribution chassis |
|------------------------------------------------------------|-------------|--------------|-----------------|------------|------------------------------|
| No. of 18 mm modules                                       | No. of rows | Weight* (kg) | References      | References |                              |
| 12                                                         | 1           | 1.7          | NSYPLS1827DLS12 | NSYDLS12   |                              |
| 24                                                         | 2           | 2.5          | NSYPLS2727DLS24 | NSYDLS24   |                              |
| -                                                          | -           | -            | -               | -          |                              |
| -                                                          | -           | -            | -               | -          |                              |
| -                                                          | -           | -            | -               | -          |                              |
| -                                                          | -           | -            | -               | -          |                              |
| 24                                                         | 2           | 2.7          | NSYPLS3627DLS24 | NSYDLS242  |                              |
| 36                                                         | 3           | 2.8          | NSYPLS3627DLS36 | NSYDLS36   |                              |
| -                                                          | -           | -            | -               | -          |                              |
| -                                                          | -           | -            | -               | -          |                              |
| -                                                          | -           | -            | -               | -          |                              |
| 48                                                         | 4           | 3.8          | NSYPLS5427DLS48 | NSYDLS48   |                              |
| -                                                          | -           | -            | -               | -          |                              |
| -                                                          | -           | -            | -               | -          |                              |
| -                                                          | -           | -            | -               | -          |                              |

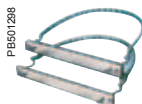
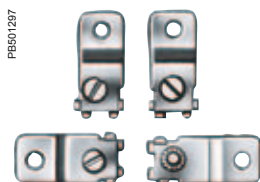


| High covers: 95 mm |               | Metallic mounting plates |            | Insulating mounting plates |            |
|--------------------|---------------|--------------------------|------------|----------------------------|------------|
| Transparent        | Opaque        | Plain                    | Telequick  | Polyester                  | Bakelite   |
| -                  | -             | NSYPMM1827               | NSYPMR1827 | NSYPMA1827                 | NSYPMB1827 |
| -                  | -             | NSYPMM2727               | NSYPMR2727 | NSYPMA2727                 | NSYPMB2727 |
| NSYTPLS2727A       | NSYTPLSC2727A | -                        | -          | -                          | -          |
| -                  | -             | NSYPMM2736               | NSYPMR2736 | NSYPMA2736                 | NSYPMB2736 |
| NSYTPLS2736A       | NSYTPLSC2736A | -                        | -          | -                          | -          |
| -                  | -             | NSYPMM2754               | NSYPMR2754 | NSYPMA2754                 | NSYPMB2754 |
| NSYTPLS2754A       | NSYTPLSC2754A | -                        | -          | -                          | -          |
| -                  | -             | NSYPMM3636               | -          | NSYPMA3636                 | NSYPMB3636 |
| -                  | -             | NSYPMM3654               | NSYPMR3654 | NSYPMA3654                 | NSYPMB3654 |
| NSYTPLS3654A       | NSYTPLSC3654A | -                        | -          | -                          | -          |
| NSYTPLS3672A       | NSYTPLSC3672A | NSYPMM3672               | NSYPMR3672 | NSYPMA3672                 | NSYPMB3672 |
| -                  | -             | NSYPMM5454               | NSYPMR5454 | NSYPMA5454                 | NSYPMB5454 |
| NSYTPLS5454A       | NSYTPLSC5454A | -                        | -          | -                          | -          |
| NSYTPLS5472A       | NSYTPLSC5472A | NSYPMM5472               | NSYPMR5472 | NSYPMA5472                 | NSYPMB5472 |



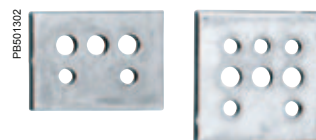


### Fixing



| Characteristics | Wall-fixing lugs             |                 | Post-fixing device                                        |                                           | Plastic carrying handle |  |
|-----------------|------------------------------|-----------------|-----------------------------------------------------------|-------------------------------------------|-------------------------|--|
| Material        | Passivated zinc-coated steel | Stainless-steel | -                                                         |                                           | Plastic                 |  |
| Supply          | Set of 4 lugs and fixings    |                 | Contains all the elements required for mounting on a post |                                           | -                       |  |
|                 | <b>References</b>            |                 | <b>For installation on a surface with dimensions (mm)</b> | <b>References</b>                         | <b>Reference</b>        |  |
|                 | NSYPF27N                     | NSYPF27X        | 270<br>360<br>540                                         | NSYFSP27270<br>NSYFSP27360<br>NSYFSP27540 | NSYATM27                |  |
|                 |                              |                 |                                                           |                                           |                         |  |

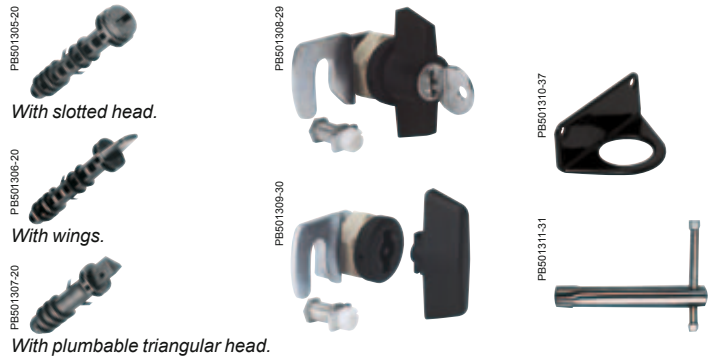
### Coupling



| Characteristics           | Coupling frames                                                                                                               |                           |                              | Side plates             |            | Box coupling unit piece                                    |                     |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------------|-------------------------|------------|------------------------------------------------------------|---------------------|
|                           | Use the boxes dimensional drawings to identify what coupling frame you need. Consider the sides and surfaces you will join.   |                           |                              | -                       |            | For coupling 2, 3 or 4 boxes, with optional wall-mounting. |                     |
| Ingress protection rating | <ul style="list-style-type: none"> <li>■ Frame with full opening: IP65</li> <li>■ Frame with partial opening: IP44</li> </ul> |                           |                              | IP65                    |            | -                                                          |                     |
| Supply                    | -                                                                                                                             |                           |                              | -                       |            | To be ordered in multiples of 25                           |                     |
|                           | <b>References</b>                                                                                                             |                           |                              |                         |            | <b>For coupling (2)</b>                                    |                     |
| <b>For surfaces (mm)</b>  | <b>Opening (mm)</b>                                                                                                           | <b>Full-opening frame</b> | <b>Partial-opening frame</b> | <b>Side plates (mm)</b> |            | <b>2 boxes</b>                                             | <b>3 or 4 boxes</b> |
| 180                       | 110                                                                                                                           | NSYUM27180                | -                            | -                       | -          | -                                                          | -                   |
| 270                       | 200                                                                                                                           | NSYUM27270                | NSYUCC270 (1)                | 200                     | NSYTL27270 | -                                                          | -                   |
| 360                       | 290                                                                                                                           | NSYUM27360                | NSYUCC360 (1)                | 290                     | NSYTL27360 | -                                                          | -                   |
| -                         | -                                                                                                                             | -                         | -                            | -                       | -          | NSYPS2C27                                                  | NSYPS4C27           |
|                           |                                                                                                                               |                           |                              |                         |            |                                                            |                     |

(1) References by unit. Order by multiples of 10 units (10, 20, 30, etc.).  
 (2) M6 x 8 screw with cylindrical head.

### Locking



| Characteristics                     | Closing for PLS boxes                                                                                                       | Closing locks                                                                            | Sealing and opening |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------------|
| Options                             | -                                                                                                                           | Option of installing a side lock, on the opposite side to where the hinges are installed | -                   |
| Supply                              | Set of 4, 6 or 8 screws. The references also include 4 M6 screws for fixing mounting plates and 2 steel sealing accessories | -                                                                                        | -                   |
| Name                                | Tool                                                                                                                        | References                                                                               |                     |
| Set of 4 slotted screws (1)         | Flat-blade screwdriver                                                                                                      | NSYTC274                                                                                 | -                   |
| Set of 6 slotted screws (1)         | Flat-blade screwdriver                                                                                                      | NSYTC276                                                                                 | -                   |
| Set of 8 slotted screws (1)         | Flat-blade screwdriver                                                                                                      | NSYTC278                                                                                 | -                   |
| Set of 4 wing screws (2)            | Manual                                                                                                                      | NSYTCM274                                                                                | -                   |
| Set of 6 wing screws (2)            | Manual                                                                                                                      | NSYTCM276                                                                                | -                   |
| Set of 8 wing screws (2)            | Manual                                                                                                                      | NSYTCM278                                                                                | -                   |
| Set of 4 triangular screws          | NSYLT27                                                                                                                     | NSYTCT274                                                                                | -                   |
| Set of 6 triangular screws          |                                                                                                                             | NSYTCT276                                                                                | -                   |
| Set of 8 triangular screws          |                                                                                                                             | NSYTCT278                                                                                | -                   |
| Double-bar side lock and handle     | NSYDBP                                                                                                                      |                                                                                          | NSYCL27M            |
| Side lock with key 405              |                                                                                                                             |                                                                                          | NSYCL27L405         |
| Plastic-coated sealing triangle (3) | -                                                                                                                           | -                                                                                        | NSYPPS27            |
| Triangular key for PLS              | -                                                                                                                           | -                                                                                        | NSYLT27             |

(1) Included in the standard references of boxes **NSYPLS...**.  
 (2) Included in the standard references of modular distribution boxes **NSYPLS...DLS...**.  
 (3) References by unit. Order by multiples of 10 units (10, 20, 30, etc.).

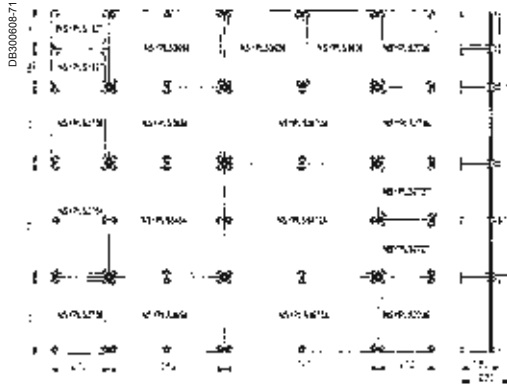
### Other



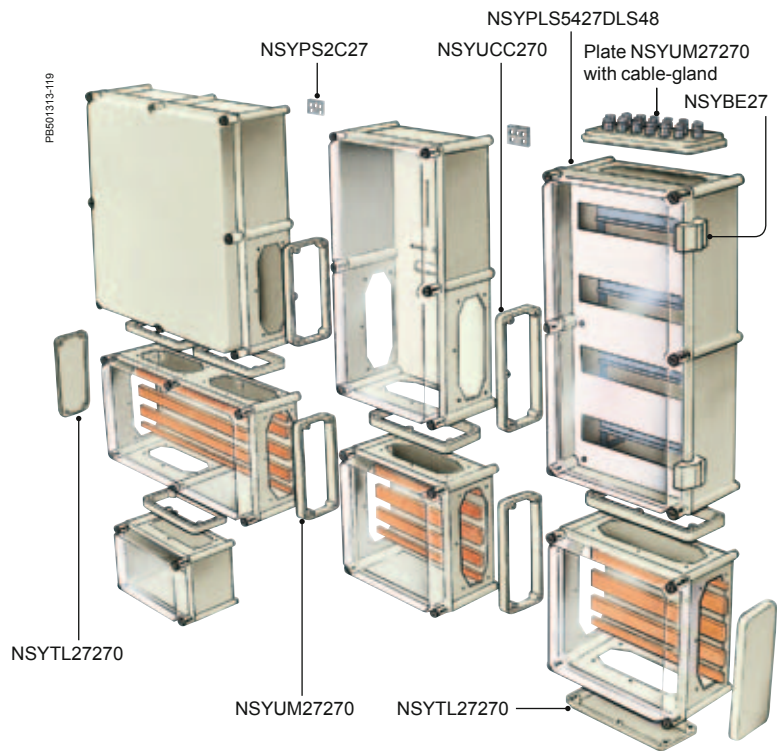
| Characteristics | Hinges                                                                                                | Insulators for busbar                                                                                 |                                                                                                                       |
|-----------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                 | <ul style="list-style-type: none"> <li>External hinges.</li> <li>To open the door to 180°.</li> </ul> | <ul style="list-style-type: none"> <li>Internal hinges.</li> <li>To open the door to 180°.</li> </ul> | <ul style="list-style-type: none"> <li>For 4 bars of 15 or 20 mm.</li> <li>Utilisation on the 270 mm side.</li> </ul> |
| Material        | Plastic                                                                                               | Brass                                                                                                 | -                                                                                                                     |
| Supply          | Set of 2 hinges                                                                                       | Set of 2 hinges                                                                                       | References by unit. Order by multiples of 5 units (5, 10, 15, etc.)                                                   |
| References      | NSYBE27                                                                                               | NSYBL27                                                                                               | NSYAE25                                                                                                               |
|                 |                                                                                                       |                                                                                                       | NSYAS25                                                                                                               |



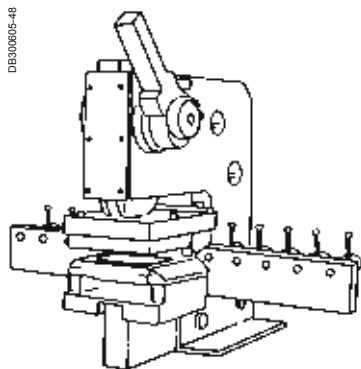
## Examples of assembly



All the boxes can be joined by their lateral surfaces, using the coupling frames **NSYUM...** or **NSYUCC...**, and the joining and fixing pieces **NSYPS2C27** and **NSYPS4C27**.

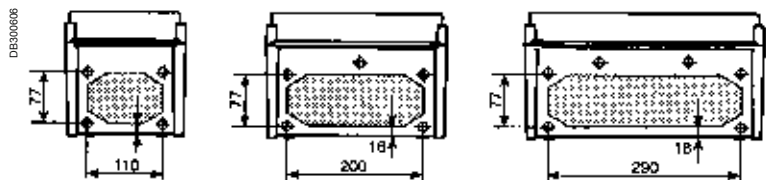


## [!] Drill holes



Side cut-out press, ref. **NSYPUC27**.

- The machining operations on the dimensions of the lateral plates or frames can be specifically produced in our factory.
- The surfaces can be identified by the numbers provided on page 160.



Dimensions here represented are approximate.  
Template to machine the box provided with the product.

# Insulating wall-mounting enclosures

# Insulating wall-mounting enclosures

## Contents



### Thalassa PLM Insulating wall-mounting enclosures **166**

|                               |     |
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| Characteristics               | 167 |
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| Specific accessories overview | 169 |
| Common accessories overview   | 170 |
| Specific accessories          | 171 |



### Associated applicative offers **332**

#### PHD Polyester Heavy Duty enclosures

**New** Early 2016, the PLM range changes color

**RAL 7032**

➔

**RAL 7035**

**> Why change?**  
To harmonize the Schneider Electric Universal enclosures offer. Answer to customer requests and to the the market trends.

**> What happen with the part numbers (references)?**  
Every product that have changed in colour have also changed the part umber. It is done just adding a letter "G" at the end on reference. *Example:*

| RAL 7032 | RAL 7035  |
|----------|-----------|
| NSYPLM43 | NSYPLM43G |

**> How can I obtain RAL 7032 enclosures?**  
Consult us.

**> Will the new RAL 7035 colour offer the same properties as RAL 7032?**  
Yes, all mechanical properties will be the same. The light reflexion is even improved.

# Insulating wall-mounting enclosures

## Introduction

### > Monobloc wall-mounting enclosure

- made from polyester reinforced with fibreglass, moulded by hot compression.
- Degree of protection IP66,
- Impact resistance IK10 for the plain doors and surfaces and IK08 for the glazed doors of the polyester versions,
- UL certification and NEMA classification 4x and 13 for the polyester wall-mounting enclosures,
- Total insulation to produce class II units,
- Complies with RoHS and REACH Directives



P1237102-32

#### Service life

High resistance to corrosion in harsh environments, maintaining its mechanical properties and insulation.



PB501327-40

#### Easy

- Door easily reversible by turning it over.
- Opening to 120° or 180°.
- Easy machining with no corrosion.
- Lightness.
- Polyamide hinge pin, easily removable and captive.



PB501325-95

#### Smart

- Notches for easy fixing of DIN rails.
- Grid pattern on the rear of the door for marking the machining operations.



PB501325-60

This range can be configured according to your needs

4 different services available:



Assemble to order



Mounting of standard accessories



Painting

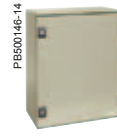


Machining

See page 450 for details or consult our web site [www.schneider-electric.com](http://www.schneider-electric.com)

# Insulating wall-mounting enclosures

## Characteristics



| Characteristics                     | ABS/PC wall-mounting enclosures                                                                                                                                                                                                                                                                                          | Polyester wall-mounting enclosures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                     | <ul style="list-style-type: none"> <li>■ Monobloc wall-mounting enclosure.</li> <li>■ Version with transparent polycarbonate door.</li> <li>■ Closes with a 3-mm double-bar lock.</li> <li>■ Door opening: 180°.</li> <li>■ Temperature range: -35°C...+90°C.</li> </ul>                                                 | <ul style="list-style-type: none"> <li>■ Monobloc wall-mounting enclosure.</li> <li>■ Version with transparent tempered-glass door.</li> <li>■ Closes with two 3-mm double-bar locks.</li> <li>■ Door opening angle: 120°.</li> <li>■ Grid pattern with a pitch of 50 mm on the back of the door.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                     |                                                                                                                                                                                                                                                                                                                          | <ul style="list-style-type: none"> <li>■ Monobloc wall-mounting enclosure.</li> <li>■ Version with transparent tempered-glass door.</li> <li>■ Locking device outside the sealed area, guaranteeing the tightness of IP66 over time.</li> <li>■ Locking system:                             <ul style="list-style-type: none"> <li>□ enclosure height ≤ 847 mm: 2 locks with double-bar insert or 1 handle with key lock and 3-point closure,</li> <li>□ enclosure height 1056 mm: 1 lock with double-bar insert and 4-point closure.</li> </ul> </li> <li>■ Door opening angle: 180°.</li> <li>■ Bosses for accessory-fixing inserts: M6 inside the enclosure, M5 in the door for enclosure heights of 430 and 530 mm, M6 in the door for enclosure heights ≥ 647 mm.</li> <li>■ Grid pattern with a pitch of 25 mm on the back of the door.</li> </ul> |
| Material                            | ABS/PC                                                                                                                                                                                                                                                                                                                   | Polyester reinforced with fibreglass, moulded by hot compression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Temperature range - Polyester parts | -                                                                                                                                                                                                                                                                                                                        | -50°C ... +150°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Temperature range - Gasket          | -35°C ... +90°C                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Colour                              | RAL 7032 grey*                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Ingress protection rating           | IP66 according to IEC 60529                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Mechanical protection rating        | <ul style="list-style-type: none"> <li>■ IK10 (20 joules) plain door - IEC 62262</li> <li>■ IK08 (5 joules) glazed door</li> </ul>                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Certifications                      | <ul style="list-style-type: none"> <li>■ IEC 62208</li> <li>■ Marine</li> </ul>                                                                                                                                                                                                                                          | <ul style="list-style-type: none"> <li>■ IEC 62208</li> <li>■ Marine</li> <li>■ UL 508A - Nema type: 1, 2, 3, 3R, 3S, 4, 4X, 5, 12, 12K and 13</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Installation                        | <ul style="list-style-type: none"> <li>■ Direct fixing of symmetrical rails ref. <b>NSYCS200PLM</b> with plastic nuts ref. <b>NSYTCSPLM</b>, to be installed in the notches on the rear of the body, with a pitch of 25 mm</li> <li>■ Fixing of installation plates on the studs at the rear of the enclosure</li> </ul> | <ul style="list-style-type: none"> <li>■ Fixing of rear accessories on 4 M8 x 18 studs</li> <li>■ Fixing of rear accessories on 4 M8 studs, included in the standard supply</li> <li>■ Direct fixing of symmetrical rails ref. <b>NSYCS...PLM</b>, with plastic nuts, ref. <b>NSYTCSPLM</b>, to be installed in the notches on the rear of the body, with a pitch of 25 mm</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

| External dimensions (mm) |       |       | References of wall-mounting enclosures with door |             |            |             |               |                |           |                 |
|--------------------------|-------|-------|--------------------------------------------------|-------------|------------|-------------|---------------|----------------|-----------|-----------------|
| Height                   | Width | Depth | Plain (3)                                        | Transparent | Plain (3)  | Transparent | Plain (3)     | Transparent    | Plain (1) | Transparent (1) |
| 308                      | 255   | 160   | -                                                | -           | NSYPLM3025 | NSYPLM3025T | -             | -              | -         | -               |
| 310                      | 215   | 160   | NSYPLM32                                         | NSYPLM32T   | -          | -           | -             | -              | -         | -               |
| 430                      | 330   | 200   | -                                                | -           | -          | -           | NSYPLM43      | NSYPLM43T      | NSYPLM43V | NSYPLM43TV      |
| 530                      | 430   | 200   | -                                                | -           | -          | -           | NSYPLM54      | NSYPLM54T      | NSYPLM54V | NSYPLM54TV      |
| 647                      | 436   | 250   | -                                                | -           | -          | -           | NSYPLM64      | NSYPLM64T      | NSYPLM64V | NSYPLM64TV      |
| 747                      | 536   | 300   | -                                                | -           | -          | -           | NSYPLM75      | NSYPLM75T      | NSYPLM75V | NSYPLM75TV      |
| 847                      | 636   | 300   | -                                                | -           | -          | -           | NSYPLM86      | NSYPLM86T      | NSYPLM86V | NSYPLM86TV      |
| 1056                     | 852   | 350   | -                                                | -           | -          | -           | NSYPLM108 (2) | NSYPLM108T (2) | -         | -               |

(1) Wall-mounting enclosure with handle and lock with 3-point closure and key 1242 E delivered as standard.

(2) Wall-mounting enclosure with standard 5 mm double-bar lock and lock with 4-point closure.

(3) These enclosures are also available equipped with metallic or insulating mounting plates.

\* RAL 7035 from 2016.

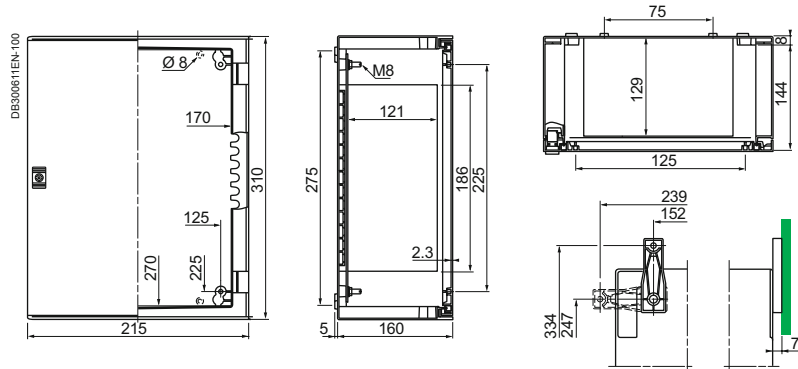
| External dimensions (mm) |       |       | Wall-mounting enclosures with plain door and mounting plate (4) |           |             |             |           |           |            |            |
|--------------------------|-------|-------|-----------------------------------------------------------------|-----------|-------------|-------------|-----------|-----------|------------|------------|
| Height                   | Width | Depth | Plain                                                           | Bakelite  | Plain       | Bakelite    | Plain     | Bakelite  | Plain      | Bakelite   |
| 308                      | 255   | 160   | -                                                               | -         | NSYPLM3025P | NSYPLM3025B | -         | -         | -          | -          |
| 310                      | 215   | 160   | NSYPLM32P                                                       | NSYPLM32B | -           | -           | -         | -         | -          | -          |
| 430                      | 330   | 200   | -                                                               | -         | -           | -           | NSYPLM43P | NSYPLM43B | NSYPLM43V  | NSYPLM43BV |
| 530                      | 430   | 200   | -                                                               | -         | -           | -           | NSYPLM54P | NSYPLM54B | NSYPLM54V  | NSYPLM54BV |
| 647                      | 436   | 250   | -                                                               | -         | -           | -           | NSYPLM64P | NSYPLM64B | NSYPLM64V  | NSYPLM64BV |
| 747                      | 536   | 300   | -                                                               | -         | -           | -           | NSYPLM75P | NSYPLM75B | NSYPLM75V  | NSYPLM75BV |
| 847                      | 636   | 300   | -                                                               | -         | -           | -           | NSYPLM86P | NSYPLM86B | NSYPLM86V  | NSYPLM86BV |
| 1056                     | 852   | 350   | -                                                               | -         | -           | -           | -         | -         | NSYPLM108B | -          |

(4) Not mounted.

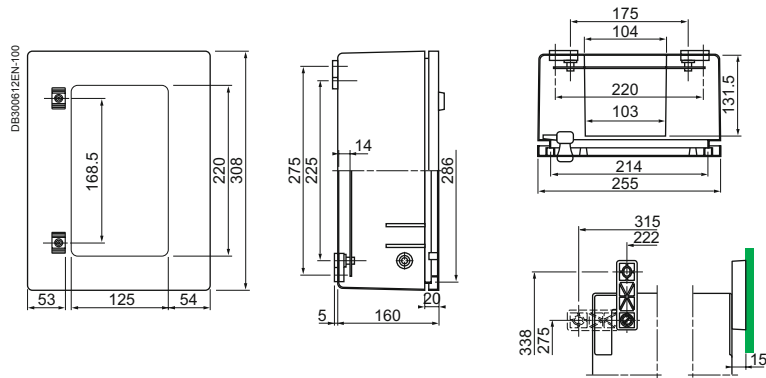
# Insulating wall-mounting enclosures

## Dimensions

### ABS/PC wall-mounting enclosures

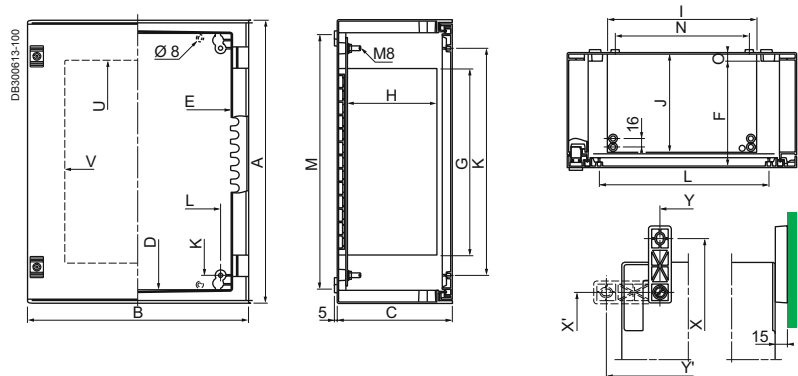


### Polyester wall-mounting enclosures 308 x 255 mm



| Glazed door opening (mm) |     | References |
|--------------------------|-----|------------|
| U                        | V   |            |
| 273                      | 194 | NSYPLM43T  |
|                          | 151 | NSYPLM43TV |
| 373                      | 294 | NSYPLM54T  |
|                          | 251 | NSYPLM54TV |
| 463                      | 294 | NSYPLM64T  |
|                          | 252 | NSYPLM64TV |
| 563                      | 394 | NSYPLM75T  |
|                          | 352 | NSYPLM75TV |
| 663                      | 494 | NSYPLM86T  |
|                          | 452 | NSYPLM86TV |
| 854                      | 661 | NSYPLM108T |

### Other polyester wall-mounting enclosures



| External fixing with lugs (mm) |     |            |     | References |
|--------------------------------|-----|------------|-----|------------|
| Vertical                       |     | Horizontal |     |            |
| X                              | Y   | X'         | Y'  |            |
| 490                            | 225 | 355        | 360 | NSYPLM43   |
| 590                            | 325 | 455        | 460 | NSYPLM54   |
| 690                            | 330 | 555        | 465 | NSYPLM64   |
| 790                            | 430 | 655        | 565 | NSYPLM75   |
| 890                            | 530 | 755        | 665 | NSYPLM86   |
| 1090                           | 750 | 955        | 885 | NSYPLM108  |

| Dimensions (mm) |     |     |     |     |     |     |     |     |     | Bottom screw and door bosses (mm) |     | Internal fixing (mm) |     |    | References |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------------------------------|-----|----------------------|-----|----|------------|
| A               | B   | C   | D   | E   | F   | G   | H   | I   | J   | K                                 | L   | M                    | N   | O  |            |
| 430             | 330 | 200 | 380 | 260 | 181 | 247 | 150 | 179 | 168 | 325                               | 225 | 375                  | 150 | 13 | NSYPLM43   |
| 530             | 430 | 200 | 480 | 360 | 181 | 347 | 150 | 279 | 168 | 425                               | 325 | 475                  | 250 | 13 | NSYPLM54   |
| 647             | 436 | 250 | 580 | 360 | 228 | 388 | 192 | 279 | 212 | 525                               | 325 | 575                  | 250 | 13 | NSYPLM64   |
| 747             | 536 | 300 | 680 | 460 | 278 | 487 | 241 | 379 | 261 | 625                               | 425 | 675                  | 350 | 15 | NSYPLM75   |
| 847             | 636 | 300 | 780 | 560 | 278 | 587 | 241 | 479 | 261 | 725                               | 525 | 775                  | 450 | 15 | NSYPLM86   |
| 1056            | 852 | 350 | 980 | 760 | 327 | 775 | 280 | 680 | 300 | 925                               | 725 | 975                  | 650 | 15 | NSYPLM108  |



# Insulating wall-mounting enclosures

## Specific accessories overview

PB501348-88



### Composition accessories

#### Base accessories



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#### Fixing



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#### Coupling



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#### Cable entry



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#### Door



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#### Locking systems



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#### Mounting



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#### Diverse



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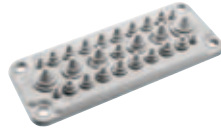
# Insulating wall-mounting enclosures

## Common accessories overview

### Cable management

#### Cable management

PB502492-29



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#### Cable holding

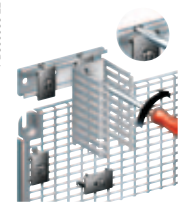
PB500086-40



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#### Cable ducting

PB500059-22



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### Thermal management

#### Heaters

PB502050-29



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#### Ventilation

PB501044-26



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#### Thermal control

PB501162-19



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### Installation accessories

#### Mounting acc.

PB500072-17

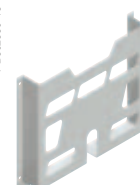


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### Others

#### Document pocket

PB502859-18



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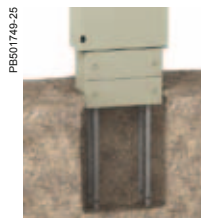
# Insulating wall-mounting enclosures

## Specific accessories

### Base accessories



| Characteristics              |            |            |                  | ZM plinth for PLM enclosure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            |               |            |            |                 |  |
|------------------------------|------------|------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------|------------|------------|-----------------|--|
|                              |            |            |                  | Designed to support and raise enclosures <b>NSYPLM75G</b> , <b>NSYPLM86G</b> and <b>NSYPLM108G</b> . <ul style="list-style-type: none"> <li>■ Plinth height of 200 mm; stackable to obtain a 400-mm plinth.</li> <li>■ Four floor-attachment points; the symmetry of the parts prevents incorrect assembly. The frontal parts of the plinth (front and rear) have two stainless-steel screws protected by a plastic cap; these screws make it possible (using an Allen key) to open and remove the frontal parts for easier cable installation. In stacked position, the bottom plinth can be partially buried.</li> </ul> It is provided with one transverse reinforcement rail, adjustable to adapt to the position of the cables.<br>The reference of the plinth contains all the accessories required for attaching the enclosure to the plinth and for stacking two plinths. |            |               |            |            |                 |  |
| Material                     |            |            |                  | Polyester reinforced with fibreglass, moulded by hot compression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |               |            |            |                 |  |
| Ingress protection rating    |            |            |                  | IP44                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |            |               |            |            |                 |  |
| Mechanical protection rating |            |            |                  | IK10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |            |               |            |            |                 |  |
| Standards                    |            |            |                  | Guarantees total insulation according to IEC 61439-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |            |               |            |            |                 |  |
| <b>For enclosure</b>         |            |            |                  | <b>Cabling area</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            | <b>Plinth</b> |            |            |                 |  |
| Height (mm)                  | Width (mm) | Depth (mm) | References       | Width (mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Depth (mm) | Height (mm)   | Width (mm) | Depth (mm) | References      |  |
| 747                          | 536        | 300        | <b>NSYPLM75</b>  | 256                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 252        | 200           | 456        | 302        | <b>NSYZM253</b> |  |
| 847                          | 636        | 300        | <b>NSYPLM86</b>  | 356                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 252        | 200           | 556        | 302        | <b>NSYZM263</b> |  |
| 1056                         | 852        | 350        | <b>NSYPLM108</b> | 572                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 302        | 200           | 772        | 352        | <b>NSYZM283</b> |  |

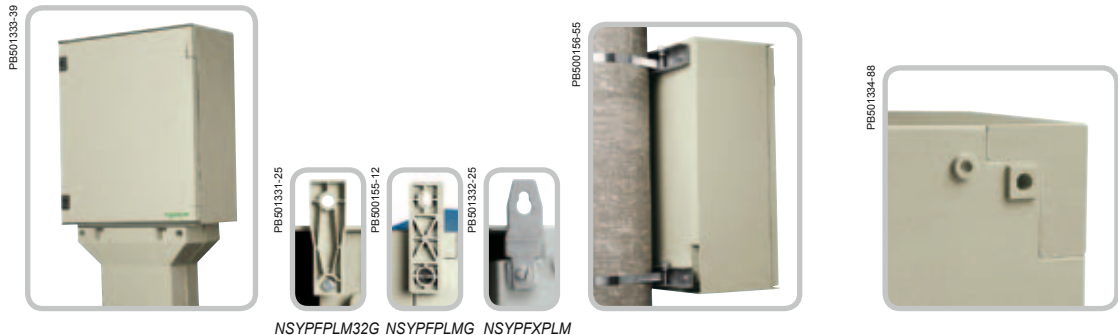


| Accessories     | Cable supporting cross-rail                                                                                                                                                                                                                                                                   | Kit for IP54                                                                       | Feet for partially buried installation                                                                                                                                                                                                                                         |          |                 |          |                 |          |                 |                                                                                                                                |           |                |                                                                                                                                 |           |                 |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------|----------|-----------------|----------|-----------------|--------------------------------------------------------------------------------------------------------------------------------|-----------|----------------|---------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------|
|                 | The lateral sides of the plinths are provided with bosses for attaching cross-rails with cut-out profiles, for supporting cables. The reference of the cross-rail includes all the elements required for assembly.                                                                            | Makes it possible to obtain IP54 for the plinth and the plinth-enclosure coupling. | Allows the partially buried installation of plinths before completion of the floor. The plinths are attached by four feet with a standard length of 750 mm. Possibility of horizontal adjustment of the plinth. The reference includes a kit made up of four feet and fixings. |          |                 |          |                 |          |                 |                                                                                                                                |           |                |                                                                                                                                 |           |                 |
|                 | <table border="1"> <thead> <tr> <th>For plinth</th> <th>Cross-rail references</th> </tr> </thead> <tbody> <tr> <td>NSYZM253</td> <td><b>NSYAC280</b></td> </tr> <tr> <td>NSYZM263</td> <td><b>NSYAC360</b></td> </tr> <tr> <td>NSYZM283</td> <td><b>NSYAC600</b></td> </tr> </tbody> </table> | For plinth                                                                         | Cross-rail references                                                                                                                                                                                                                                                          | NSYZM253 | <b>NSYAC280</b> | NSYZM263 | <b>NSYAC360</b> | NSYZM283 | <b>NSYAC600</b> | <table border="1"> <thead> <tr> <th>Reference</th> </tr> </thead> <tbody> <tr> <td><b>NSYAEPM</b></td> </tr> </tbody> </table> | Reference | <b>NSYAEPM</b> | <table border="1"> <thead> <tr> <th>Reference</th> </tr> </thead> <tbody> <tr> <td><b>NSYAEBFZ</b></td> </tr> </tbody> </table> | Reference | <b>NSYAEBFZ</b> |
| For plinth      | Cross-rail references                                                                                                                                                                                                                                                                         |                                                                                    |                                                                                                                                                                                                                                                                                |          |                 |          |                 |          |                 |                                                                                                                                |           |                |                                                                                                                                 |           |                 |
| NSYZM253        | <b>NSYAC280</b>                                                                                                                                                                                                                                                                               |                                                                                    |                                                                                                                                                                                                                                                                                |          |                 |          |                 |          |                 |                                                                                                                                |           |                |                                                                                                                                 |           |                 |
| NSYZM263        | <b>NSYAC360</b>                                                                                                                                                                                                                                                                               |                                                                                    |                                                                                                                                                                                                                                                                                |          |                 |          |                 |          |                 |                                                                                                                                |           |                |                                                                                                                                 |           |                 |
| NSYZM283        | <b>NSYAC600</b>                                                                                                                                                                                                                                                                               |                                                                                    |                                                                                                                                                                                                                                                                                |          |                 |          |                 |          |                 |                                                                                                                                |           |                |                                                                                                                                 |           |                 |
| Reference       |                                                                                                                                                                                                                                                                                               |                                                                                    |                                                                                                                                                                                                                                                                                |          |                 |          |                 |          |                 |                                                                                                                                |           |                |                                                                                                                                 |           |                 |
| <b>NSYAEPM</b>  |                                                                                                                                                                                                                                                                                               |                                                                                    |                                                                                                                                                                                                                                                                                |          |                 |          |                 |          |                 |                                                                                                                                |           |                |                                                                                                                                 |           |                 |
| Reference       |                                                                                                                                                                                                                                                                                               |                                                                                    |                                                                                                                                                                                                                                                                                |          |                 |          |                 |          |                 |                                                                                                                                |           |                |                                                                                                                                 |           |                 |
| <b>NSYAEBFZ</b> |                                                                                                                                                                                                                                                                                               |                                                                                    |                                                                                                                                                                                                                                                                                |          |                 |          |                 |          |                 |                                                                                                                                |           |                |                                                                                                                                 |           |                 |

# Insulating wall-mounting enclosures

## Specific accessories

### Fixing



NSYFPFLM32G NSYFPFLMG NSYFPFXPLM

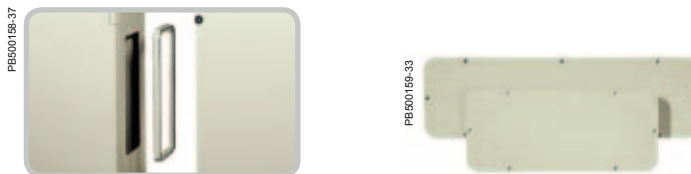
| Characteristics | Floor-mounting pillar                                                                                                                                                                   | Wall-fixing lugs                                                                                                     |                   | Post-fixing device                                                                    | Blanking plates                                                                                                                                                                                                                                                     |                                    |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
|                 | To protect cables entering the enclosure in outdoor installations.<br>Cable entry section: 165 x 100 mm.<br>For enclosures ref. <b>NSYPLM54G, NSYPLM54TG, NSYPLM64G and NSYPLM64TG.</b> | Set of 4 wall-fixing lugs. Mounted directly on the enclosure, either in horizontal position or in vertical position. |                   | For outdoor installations on a post with a maximum circumference of 675 mm, Ø 215 mm. | They are positioned on the rear surface of the enclosures to block the openings in the corners in order to improve their appearance or prevent the entry of unwanted elements in the ventilation shaft. Supplied as standard for enclosure, ref. <b>NSYPLM108G.</b> |                                    |
| Material        | Polyester reinforced with fibreglass                                                                                                                                                    | Polyamide loaded with fibreglass                                                                                     | Stainless-steel   | Galvanised steel                                                                      | Thermoplastic                                                                                                                                                                                                                                                       |                                    |
| Colour          | RAL 7032 grey*                                                                                                                                                                          | -                                                                                                                    |                   | -                                                                                     | -                                                                                                                                                                                                                                                                   |                                    |
| Maximum load    | -                                                                                                                                                                                       | <ul style="list-style-type: none"> <li>■ Vertical position: 300 kg</li> <li>■ Horizontal position: 100 kg</li> </ul> |                   | 100 kg                                                                                | -                                                                                                                                                                                                                                                                   |                                    |
| Supply          | Delivered with steel frame for secure fixing to the floor                                                                                                                               | Delivered with fixings                                                                                               |                   | Supply of the rail, the strips and the fixings                                        | -                                                                                                                                                                                                                                                                   |                                    |
|                 | <b>Reference</b>                                                                                                                                                                        | <b>References</b>                                                                                                    |                   | <b>For wall-mounting enclosure</b>                                                    | <b>References</b>                                                                                                                                                                                                                                                   | <b>For wall-mounting enclosure</b> |
|                 | <b>NSYSFSPLM</b>                                                                                                                                                                        | <b>NSYFPFLM</b>                                                                                                      | <b>NSYFPFXPLM</b> | <b>NSYPLM43</b>                                                                       | <b>NSYSFP300 (2)</b>                                                                                                                                                                                                                                                | <b>NSYPLM32</b>                    |
|                 |                                                                                                                                                                                         | <b>NSYFPFLM32 (1)</b>                                                                                                |                   | <b>NSYPLM54 y NSYPLM64</b>                                                            | <b>NSYSFP400</b>                                                                                                                                                                                                                                                    | <b>NSYPLM43 y NSYPLM54</b>         |
|                 |                                                                                                                                                                                         |                                                                                                                      |                   | <b>NSYPLM75</b>                                                                       | <b>NSYSFP500</b>                                                                                                                                                                                                                                                    | <b>NSYPLM64, 75 y 86</b>           |
|                 |                                                                                                                                                                                         |                                                                                                                      |                   | <b>NSYPLM86</b>                                                                       | <b>NSYSFP600</b>                                                                                                                                                                                                                                                    | -                                  |
|                 |                                                                                                                                                                                         |                                                                                                                      |                   |                                                                                       |                                                                                                                                                                                                                                                                     |                                    |

(1) Exclusive for enclosures ref. **NSYPLM32** and **NSYPLM32T**.  
 (2) **NSYSFP300** can be used for fixation of **NSYPLM32** using the fixing lugs **NSYFPFLM32** (screws not supplied).  
 The length of the cross rail is slightly larger than enclosure.  
 \* RAL 7035 from 2016.

# Insulating wall-mounting enclosures

## Specific accessories

### Coupling and cable-entry



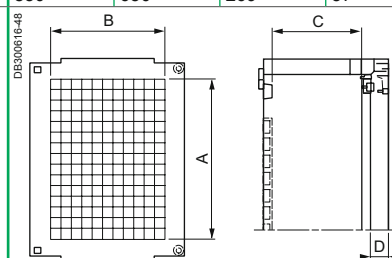
| Characteristics           |           |                             | Coupling frame                                                   | Cable-gland plates                         |
|---------------------------|-----------|-----------------------------|------------------------------------------------------------------|--------------------------------------------|
|                           |           |                             | Allows the lateral coupling of 2 enclosures.                     | Dimensions: 435 x 185 mm and 635 x 185 mm. |
| Material                  |           |                             | Polyester frame                                                  | Polyester                                  |
| Colour                    |           |                             | RAL 7032 grey*                                                   | RAL 7032 grey*                             |
| Ingress protection rating |           |                             | A built-in sealing gasket guarantees a protection rating of IP66 | -                                          |
| Supply                    |           |                             | Delivered with fixings                                           | -                                          |
| External dimensions (mm)  | Entry     | For wall-mounting enclosure | References                                                       |                                            |
| 435 x 185 x 15            | 398 x 148 | NSYPLM75 and NSYPLM86       | <b>NSYBUPLM</b>                                                  | <b>NSYTLA4420</b>                          |
| 635 x 185 x 15            | 598 x 148 | NSYPLM108                   | <b>NSYBU108PLM</b>                                               | <b>NSYTLA6420</b>                          |

\* RAL 7035 from 2016.

### Door



| Characteristics                  |       |  | Internal door                                                                                                                                                                                                                                                                                                                                                                                         |     |     |              |                |                     |
|----------------------------------|-------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|--------------|----------------|---------------------|
|                                  |       |  | <ul style="list-style-type: none"> <li>Reversible door.</li> <li>Grid pattern with a pitch of 25 mm for easier marking out before drilling.</li> <li>Closes with 2 double-bar locks.</li> <li>Door handle.</li> <li>Steel internal door, without grid pattern and locking by a screw, for enclosures ref. <b>NSYPLM3025G</b>.</li> <li>Incompatible with the modular distribution chassis.</li> </ul> |     |     |              |                |                     |
| Material                         |       |  | Polyester reinforced with fibreglass, self-extinguishing                                                                                                                                                                                                                                                                                                                                              |     |     |              |                |                     |
| Colour                           |       |  | RAL 7032 grey*                                                                                                                                                                                                                                                                                                                                                                                        |     |     |              |                |                     |
| Supply                           |       |  | Delivered with fixings and brass inserts                                                                                                                                                                                                                                                                                                                                                              |     |     |              |                |                     |
| For wall-mounting enclosure (mm) |       |  | Dimensions (mm)                                                                                                                                                                                                                                                                                                                                                                                       |     |     |              | References     |                     |
| Height                           | Width |  | A                                                                                                                                                                                                                                                                                                                                                                                                     | B   | C   | D Plain door | D Transp. door |                     |
| 308                              | 255   |  | 248                                                                                                                                                                                                                                                                                                                                                                                                   | 165 | 62  | 76           | 71             | <b>NSYPA3025PLM</b> |
| 430                              | 330   |  | 315                                                                                                                                                                                                                                                                                                                                                                                                   | 205 | 152 | 26           | 21             | <b>NSYPAP43</b>     |
| 530                              | 430   |  | 415                                                                                                                                                                                                                                                                                                                                                                                                   | 305 | 152 | 26           | 21             | <b>NSYPAP54</b>     |
| 645                              | 435   |  | 515                                                                                                                                                                                                                                                                                                                                                                                                   | 305 | 194 | 32           | 27             | <b>NSYPAP64</b>     |
| 745                              | 535   |  | 615                                                                                                                                                                                                                                                                                                                                                                                                   | 405 | 244 | 32           | 27             | <b>NSYPAP75</b>     |
| 845                              | 635   |  | 715                                                                                                                                                                                                                                                                                                                                                                                                   | 505 | 244 | 32           | 27             | <b>NSYPAP86</b>     |
| 1055                             | 850   |  | 850                                                                                                                                                                                                                                                                                                                                                                                                   | 650 | 269 | 37           | 32             | <b>NSYPAP108</b>    |



\* RAL 7035 from 2016.

# Insulating wall-mounting enclosures

## Specific accessories

### Locking system

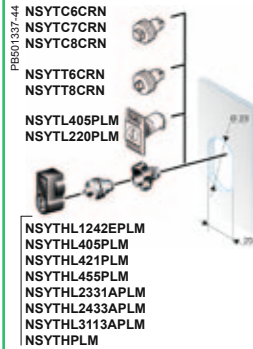


#### Characteristics

#### Locks and inserts for enclosures with H ≤ 847 mm

- The ABS/PC 310 x 215 mm enclosure is supplied with a lock with a double-bar insert as standard.
- The 308 x 255 mm enclosure is supplied with two locks with a double-bar insert as standard.
- The polyester enclosures from 430 to 847 mm high are delivered as standard with:
  - 2 locks with double-bar insert, ref. **NSYCDBPLM**,
  - or a 3-point closure with handle and lock with key 1242 E (enclosures **NSYPLM●●V**).
- Double-bar insert ref. **NSYTDBCRN**, is placed in a rectangular escutcheon.
- A plastic key, ref. **NSYDBP**, enabling the opening of the double-bar insert, is included in the standard supply. This key can be fixed to the double-bar system to remain on the enclosure and be used as a handle.

#### Options



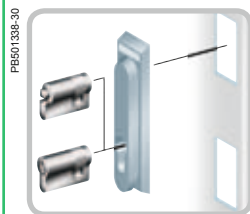
- NSYTC6CRN
- NSYTC7CRN
- NSYTC8CRN
- NSYTT6CRN
- NSYTT8CRN
- NSYTL405PLM
- NSYTL220PLM
- NSYTHL1242EPLM
- NSYTHL405PLM
- NSYTHL421PLM
- NSYTHL455PLM
- NSYTHL2331APLM
- NSYTHL2433APLM
- NSYTHL3113APLM
- NSYTHPLM

#### Options to transform the locks with double-bar inserts

Changing the shape inserts for locks with keys according to the following table.

Replacement for locking handle with cylindrical barrel, delivered with all the parts required to change the lock.

| Name                 | References         | Type of barrel | References                                                 |
|----------------------|--------------------|----------------|------------------------------------------------------------|
| 6 mm male square     | <b>NSYTC6CRN</b>   | Key 1242 E     | <b>NSYTHL1242EPLM</b>                                      |
| 7 mm male square     | <b>NSYTC7CRN</b>   | Key 405        | <b>NSYTHL405PLM</b>                                        |
| 8 mm male square     | <b>NSYTC8CRN</b>   | Key 421        | <b>NSYTHL421PLM</b>                                        |
| 6.5 mm male triangle | <b>NSYTT6CRN</b>   | Key 455        | <b>NSYTHL455PLM</b>                                        |
| -                    | -                  | Key 610        | <b>NSYTHL610PLM</b> <span style="color: red;">New</span>   |
| 8 mm male triangle   | <b>NSYTT8CRN</b>   | Key 2331 A     | <b>NSYTHL2331APLM</b>                                      |
| Lock and key 405     | <b>NSYTL405PLM</b> | Key 2433 A     | <b>NSYTHL2433APLM</b>                                      |
| Lock and key 220     | <b>NSYTL220PLM</b> | Key 3113 A     | <b>NSYTHL3113APLM</b>                                      |
| -                    | -                  | Key 3131A      | <b>NSYTHL3131APLM</b> <span style="color: red;">New</span> |
| -                    | -                  | Manual         | <b>NSYTHPLM</b>                                            |



#### Options to transform versions NSYPLM●●V, with retractable handle and 3-point closure

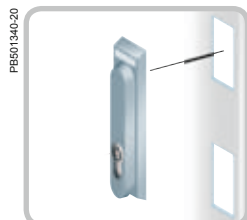
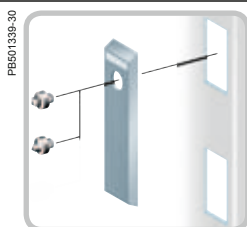
Transformation of the standard insert (barrel for key 1242E, ref. **NSYTL1242EME**) for other shape inserts or barrels according to the following table.

| Name                      | References         |
|---------------------------|--------------------|
| 5 mm double bar           | <b>NSYTDB5ME</b>   |
| 6 mm male square          | <b>NSYTC6ME</b>    |
| 7 mm male square          | <b>NSYTC7ME</b>    |
| 8 mm male square          | <b>NSYTC8ME</b>    |
| 6.5 mm male triangle      | <b>NSYTT6ME</b>    |
| 8 mm male triangle        | <b>NSYTT8ME</b>    |
| Barrel and key 405        | <b>NSYTCL405ME</b> |
| Reinforced key and barrel | <b>NSYTLRME</b>    |
| JIS key and barrel        | <b>NSYTLJISME</b>  |
| Manual                    | <b>NSYTMME</b>     |

### Locking system

#### Locks and inserts for enclosures NSYPLM108/T

- Enclosures delivered as standard with 5 mm double-bar insert.
- Insert ref. **NSYTDB5PL**, placed in a long rectangular escutcheon, activates a 4-point closure system.



#### Options to transform the insert

The standard insert can be replaced with other shape inserts, according to the following table.

| Name                 | References      |
|----------------------|-----------------|
| 6 mm male square     | <b>NSYTC6PL</b> |
| 7 mm male square     | <b>NSYTC7PL</b> |
| 8 mm male square     | <b>NSYTC8PL</b> |
| 6.5 mm male triangle | <b>NSYTT6PL</b> |
| 7 mm male triangle   | <b>NSYTT7PL</b> |
| 8 mm male triangle   | <b>NSYTT8PL</b> |

#### Options to transform for a retractable handle

The escutcheon and rosette assembly can be replaced with a lock with retractable handle equipped with inserts or barrels, according to the following table.

| Name                      | References           |
|---------------------------|----------------------|
| 5 mm double bar           | <b>NSYTEDB5PL</b>    |
| 6 mm male square          | <b>NSYTEC6PL</b>     |
| 7 mm male square          | <b>NSYTEC7PL</b>     |
| 8 mm male square          | <b>NSYTEC8PL</b>     |
| 6.5 mm male triangle      | <b>NSYTET6PL</b>     |
| 7 mm male triangle        | <b>NSYTET7PL</b>     |
| 8 mm male triangle        | <b>NSYTET8PL</b>     |
| Lock key 1242 E           | <b>NSYTEL1242EPL</b> |
| Barrel and key 405        | <b>NSYTEL405PL</b>   |
| Reinforced key and barrel | <b>NSYTERPL</b>      |
| JIS key and barrel        | <b>NSYTELJISPL</b>   |
| FAC key and barrel        | <b>NSYTELFACPL</b>   |
| Manual                    | <b>NSYTEMPL</b>      |

PB601341-23



DE300617-23



DE300618-11



#### Padlocking accessories

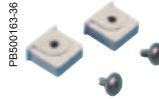
|                                                                                                                                                               |                                                                                                                                                                    |                                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Padlocking system positioned around the rectangular escutcheon of the enclosures with a height of ≤ 847 mm to block access to the lock; for a Ø 9 mm padlock. | Padlocking system positioned around the long rectangular escutcheon of the enclosures ref. <b>NSYPLM108G/TG</b> , to block access to the lock; for Ø 9 mm padlock. | Padlocking system to block access to the retractable handle, for the versions <b>NSYPLM••V</b> or optionally for enclosures ref. <b>NSYPLM108G/TG</b> , for a Ø 9 mm padlock. |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| References     | References     | References     |
|----------------|----------------|----------------|
| <b>NSYKPLM</b> | <b>NSYBCPL</b> | <b>NSYBCME</b> |

# Insulating wall-mounting enclosures

## Specific accessories

### Mounting accessories



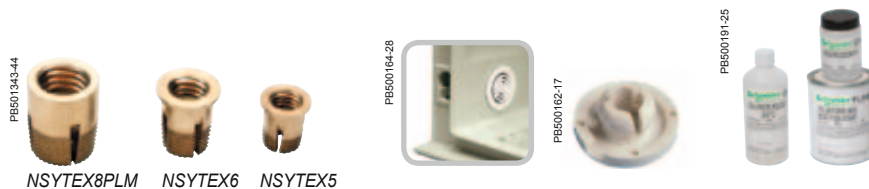
| Characteristics                  |       | Step slides                                                                                                                                               |     |                   | Plastic nuts for rail fixing                                                                                                                                                                                                                                                                                                |                    | 35 mm symmetrical DIN rails                                                                                                                                                                                         |                    |
|----------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
|                                  |       | Kit allowing depth adjustment with a pitch of 12.5 mm, and the fixings required for the installation. Incompatible with the modular distribution chassis. |     |                   | They slide directly into the notches, with a pitch of 25 mm, which are located on the rear of the enclosures, except enclosure ref. <b>NSYPLM3025/T</b> . They allow direct fixing of symmetrical DIN rails by self-tapping screws. Option of raising the rails with an M6 spacer using a plastic nut containing an M6 nut. |                    | They are fixed to the rear of the enclosure without uprights, with a pitch of 25 mm for the notches on the rear of the enclosure, with the help of direct-fixing nuts ref. <b>NSYTCSPML</b> or <b>NSYTCSM6PLM</b> . |                    |
| Material                         |       | Galvanised steel                                                                                                                                          |     |                   | -                                                                                                                                                                                                                                                                                                                           |                    | Treated steel                                                                                                                                                                                                       |                    |
| Supply                           |       | 4 step slides with brackets                                                                                                                               |     |                   | References by unit. Order by multiples of 20 units (20, 40, 60, etc.)                                                                                                                                                                                                                                                       |                    | References by unit. Order by multiples of 2 units (2, 4, 6, etc.)                                                                                                                                                   |                    |
| For wall-mounting enclosure (mm) |       | Depth adjustment (mm)                                                                                                                                     |     | References        | Name                                                                                                                                                                                                                                                                                                                        | References         | Rail length (mm)                                                                                                                                                                                                    | References         |
| Width                            | Depth | A                                                                                                                                                         | B   |                   |                                                                                                                                                                                                                                                                                                                             |                    |                                                                                                                                                                                                                     |                    |
| -                                | -     | -                                                                                                                                                         | -   | -                 | Plastic nut with self-tapping screw                                                                                                                                                                                                                                                                                         | <b>NSYTCSPML</b>   | -                                                                                                                                                                                                                   | -                  |
| -                                | -     | -                                                                                                                                                         | -   | -                 | Plastic nut containing an M6 metal nut                                                                                                                                                                                                                                                                                      | <b>NSYTCSM6PLM</b> | -                                                                                                                                                                                                                   | -                  |
| 215                              | -     | -                                                                                                                                                         | -   | -                 | -                                                                                                                                                                                                                                                                                                                           | -                  | 180                                                                                                                                                                                                                 | <b>NSYCS200PLM</b> |
| 330                              | -     | -                                                                                                                                                         | -   | -                 | -                                                                                                                                                                                                                                                                                                                           | -                  | 280                                                                                                                                                                                                                 | <b>NSYCS300PLM</b> |
| 430 / 436                        | -     | -                                                                                                                                                         | -   | -                 | -                                                                                                                                                                                                                                                                                                                           | -                  | 380                                                                                                                                                                                                                 | <b>NSYCS400PLM</b> |
| 536                              | -     | -                                                                                                                                                         | -   | -                 | -                                                                                                                                                                                                                                                                                                                           | -                  | 480                                                                                                                                                                                                                 | <b>NSYCS500PLM</b> |
| 636                              | -     | -                                                                                                                                                         | -   | -                 | -                                                                                                                                                                                                                                                                                                                           | -                  | 580                                                                                                                                                                                                                 | <b>NSYCS600PLM</b> |
| 852                              | -     | -                                                                                                                                                         | -   | -                 | -                                                                                                                                                                                                                                                                                                                           | -                  | 795                                                                                                                                                                                                                 | <b>NSYCS800PLM</b> |
| -                                | 200   | 156                                                                                                                                                       | 94  | <b>NSYDPLM200</b> | -                                                                                                                                                                                                                                                                                                                           | -                  | -                                                                                                                                                                                                                   | -                  |
| -                                | 250   | 200                                                                                                                                                       | 100 | <b>NSYDPLM250</b> | -                                                                                                                                                                                                                                                                                                                           | -                  | -                                                                                                                                                                                                                   | -                  |
| -                                | 300   | 250                                                                                                                                                       | 100 | <b>NSYDPLM300</b> | -                                                                                                                                                                                                                                                                                                                           | -                  | -                                                                                                                                                                                                                   | -                  |
| -                                | 350   | 306                                                                                                                                                       | 106 | <b>NSYDPLM350</b> | -                                                                                                                                                                                                                                                                                                                           | -                  | -                                                                                                                                                                                                                   | -                  |
|                                  |       |                                                                                                                                                           |     |                   |                                                                                                                                                                                                                                                                                                                             |                    |                                                                                                                                                                                                                     |                    |



# Insulating wall-mounting enclosures

## Specific accessories

### Diverse



| Characteristics           | Fixing inserts                                                                                                                                                  |                                    |                   | Ventilation louvres*                                                                                                                                  | Water drain plug                                                                                           | Renovation and anti-graffiti paint                                                                                                                                                 |                                                                                                                                               |          |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|----------|
|                           | Expanding inserts for addition to the M6 bosses of the enclosure, the M5 or M6 bosses of the door and the M8 bosses of the external rear part of the enclosure. |                                    |                   | They can be positioned inside the wall-mounting enclosures with heights of 430 to 846 mm, allowing ventilation through the channels of the enclosure. | For drainage of condensation water. It is placed in the Ø 8.5 mm** housing at the bottom of the enclosure. | Paint kit with 2 components (base 80 % + hardener 20 %), specially designed for polyester enclosures, for their renovation and/or as prevention to allow easy removal of graffiti. |                                                                                                                                               |          |
| Colour                    | -                                                                                                                                                               |                                    |                   | -                                                                                                                                                     | -                                                                                                          | RAL 7032 grey                                                                                                                                                                      |                                                                                                                                               |          |
| Ingress protection rating | -                                                                                                                                                               |                                    |                   | The IP on the rear of the enclosures is IP44                                                                                                          | IP53 (IEC 60529 cat. 2)                                                                                    | -                                                                                                                                                                                  |                                                                                                                                               |          |
| Supply                    | References by unit. Order by multiples of 8 units (8, 16, 24, etc.). M5 and M6 inserts to be ordered in multiples of 20                                         |                                    |                   | References by unit. Order by multiples of 2 units (2, 4, 6, etc.)                                                                                     | References by unit. Order by multiples of 10 units (10, 20, 30, etc.)                                      | The 1 kg reference includes 1 pot with 800 g of base paint and 200 g of hardener (It is enough to paint a surface of around 5 m <sup>2</sup> )                                     | The 5 kg reference includes 1 pot with 4 kg of base paint and 1 kg of hardener (It is enough to paint a surface of around 25 m <sup>2</sup> ) | 500 g    |
|                           | <b>Insert size</b>                                                                                                                                              | <b>For wall-mounting enclosure</b> | <b>References</b> | <b>Reference</b>                                                                                                                                      | <b>Reference</b>                                                                                           | <b>References</b>                                                                                                                                                                  |                                                                                                                                               |          |
|                           | M5                                                                                                                                                              | NSYPLM43G and NSYPLM54G            | NSYTEX5           | NSYCAG35LP                                                                                                                                            | NSYVEA9                                                                                                    | NSYAUPG1                                                                                                                                                                           | NSYAUPG5                                                                                                                                      | NSYAUPGS |
|                           | M6                                                                                                                                                              | NSYPLM64G and NSYPLM108G           | NSYTEX6           |                                                                                                                                                       |                                                                                                            |                                                                                                                                                                                    |                                                                                                                                               |          |
|                           | M8                                                                                                                                                              | For the rear of the enclosure      | NSYTEX8PLM        |                                                                                                                                                       |                                                                                                            |                                                                                                                                                                                    |                                                                                                                                               |          |

\* Ventilation louvres, airing devices with filters, fans and thermal adjustment accessories, see ClimaSys section.  
 \*\* 8.2 mm for wall-mounting enclosures NSYPLM32, NSYPLM32T, NSYPLM32P and NSYPLM32B.

# Insulating wall-mounting enclosures

## Specific accessories

S3D\*

S3X

PLM


\* Minimum depth 200 mm.




### Power distribution accessories

| Characteristics |     | Dinimel DLA modular chassis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |        |                    |                              |                      |               |                                    |            |                                |     |            |  |
|-----------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------------------|------------------------------|----------------------|---------------|------------------------------------|------------|--------------------------------|-----|------------|--|
|                 |     | <ul style="list-style-type: none"> <li>■ Front panels and covers installed in the front part, are not depth adjustable.</li> <li>■ Rigid structure for the installation of modular devices.</li> <li>■ Open front panels with 35 mm DIN rail and plain front panels with mounting plate, according to the model.</li> <li>■ Quick installation with no fixings.</li> <li>■ Shoulder height adjustable from 40 to 85 mm.</li> <li>■ System for standard circuit marking.</li> <li>■ Incompatible with the internal doors and the step slides.</li> <li>■ Neutral / earth strip: 2 x 16 mm<sup>2</sup> + 5 x 6 mm<sup>2</sup>.</li> </ul> |        |        |                    |                              |                      |               |                                    |            |                                |     |            |  |
| Material        |     | <ul style="list-style-type: none"> <li>■ Front panels and finish covers: self-extinguishing insulating</li> <li>■ Rigid structure: galvanised-steel</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |        |                    |                              |                      |               |                                    |            |                                |     |            |  |
| Colour          |     | Front panels and finish covers: RAL 7032 grey*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |        |                    |                              |                      |               |                                    |            |                                |     |            |  |
| Dimensions (mm) |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |        | Distribution rows  |                              |                      |               | For installation in the enclosures |            |                                |     | References |  |
| A               | B   | C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | D min. | E min. | No. of useful rows | No. of 18 mm modules per row | No. of 18 mm modules | No. of plates | PLM enclosure                      |            | S3D enclosure (depth ≥ 200 mm) |     |            |  |
|                 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |        |                    |                              |                      | References    |                                    | Height     | Width                          |     |            |  |
| 216             | 115 | 137                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 38     | 88     | 2                  | 12                           | 24                   | -             | NSYPLM43                           | NSYPLM43T  | 400                            | 300 | NSYDLA24   |  |
| 286             | 90  | 112                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 38     | 88     | 3                  | 16                           | 48                   | -             | NSYPLM54                           | NSYPLM54T  | 500                            | 400 | NSYDLA48   |  |
| 286             | 140 | 170                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 80     | 130    | 3                  | 16                           | 48                   | -             | NSYPLM64                           | NSYPLM64T  | 600                            | 400 | NSYDLA48P  |  |
| 395             | 115 | 145                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 129    | 179    | 3                  | 22                           | 66                   | 1             | NSYPLM75                           | NSYPLM75T  | 700                            | 500 | NSYDLA66   |  |
| 395             | 115 | 145                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 129    | 179    | 4                  | 22                           | 88                   | -             | NSYPLM75                           | NSYPLM75T  | 700                            | 500 | NSYDLA88   |  |
| 504             | 165 | 195                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 129    | 179    | 3                  | 28                           | 84                   | 1             | NSYPLM86                           | NSYPLM86T  | 800                            | 600 | NSYDLA84   |  |
| 504             | 165 | 195                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 129    | 179    | 4                  | 28                           | 112                  | -             | NSYPLM86                           | NSYPLM86T  | 800                            | 600 | NSYDLA112  |  |
| 704             | 115 | 146                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 170    | 220    | 6                  | 39                           | 234                  | -             | NSYPLM108                          | NSYPLM108T | 1000                           | 800 | NSYDLA234  |  |


  




NSYDLA24




NSYDLA48




NSYDLA48P




NSYDLA66




NSYDLA88



NSYDLA84





NSYDLA112



NSYDLA234





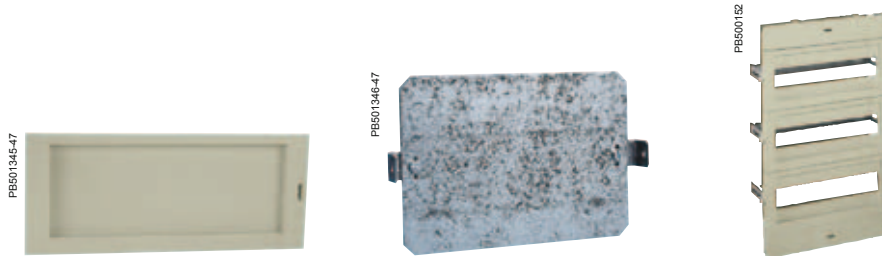
\* Models NSYDLA48P, 66, 88, 84 and 112.

\* RAL 7035 from 2016.

# Insulating wall-mounting enclosures

## Specific accessories

### Power distribution accessories



| Characteristics                      | Plain front panels for Dinimel DLA chassis                                                                                                                 |                     | Mounting plate for Dinimel DLA chassis                                                                                                                       |                     | Modular distribution chassis                                                                                        |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------|
|                                      | <ul style="list-style-type: none"> <li>■ Front panel for non-modular device protection, on one row.</li> <li>■ To be ordered in multiples of 2.</li> </ul> |                     | <ul style="list-style-type: none"> <li>■ Mounting plate for mounting non-modular devices, on one row.</li> <li>■ To be ordered in multiples of 2.</li> </ul> |                     | For mounting modular devices on two rows of nine 18-mm modules.                                                     |
| Material                             | Self-extinguishing insulating                                                                                                                              |                     | Galvanised-steel                                                                                                                                             |                     | <ul style="list-style-type: none"> <li>■ Chassis: metal</li> <li>■ Protective plate: insulating material</li> </ul> |
| Colour                               | RAL 7032 grey*                                                                                                                                             |                     | -                                                                                                                                                            |                     | -                                                                                                                   |
| <b>For installing on the chassis</b> | <b>Width (mm)</b>                                                                                                                                          | <b>References</b>   | <b>Width (mm)</b>                                                                                                                                            | <b>References</b>   | <b>Reference</b>                                                                                                    |
| <b>NSYDLA24</b>                      | 256                                                                                                                                                        | <b>NSYCTL300DLA</b> | -                                                                                                                                                            | -                   | -                                                                                                                   |
| <b>NSYDLA48 and NSYDLA48P</b>        | 356                                                                                                                                                        | <b>NSYCTL400DLA</b> | 315                                                                                                                                                          | <b>NSYPMP400DLA</b> | -                                                                                                                   |
| <b>NSYDLA66 and NSYDLA88</b>         | 456                                                                                                                                                        | <b>NSYCTL500DLA</b> | 415                                                                                                                                                          | <b>NSYPMP500DLA</b> | -                                                                                                                   |
| <b>NSYDLA84 and NSYDLA112</b>        | 555                                                                                                                                                        | <b>NSYCTL600DLA</b> | 514                                                                                                                                                          | <b>NSYPMP600DLA</b> | -                                                                                                                   |
| <b>NSYDLA234</b>                     | 755                                                                                                                                                        | <b>NSYCTL800DLA</b> | 714                                                                                                                                                          | <b>NSYPMP800DLA</b> | -                                                                                                                   |
| <b>For enclosure</b>                 |                                                                                                                                                            |                     |                                                                                                                                                              |                     |                                                                                                                     |
| <b>NSYPLM3025G/TG</b>                | -                                                                                                                                                          | -                   | -                                                                                                                                                            | -                   | <b>NSYDLPLM18</b>                                                                                                   |

\* RAL 7035 from 2016.

# Insulating floor-standing enclosures

# Insulating floor-standing enclosures

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PB501353-19

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PB502846-15

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**New** Early 2016, the PLA and PLD ranges change color

RAL 7032

PB501325-20    PB500213-20

➔

RAL 7035

PB501325SE-20    PB502791-20

**> Why change?**  
To harmonize the Schneider Electric Universal enclosures offer. Answer to customer requests and to the the market trends.

**> What happen with the part numbers (references)?**  
Every product that have changed in colour have also changed the part number. It is done just adding a letter "G" at the end on reference. *Example:*

|          |           |
|----------|-----------|
| RAL 7032 | RAL 7035  |
| NSYPLM43 | NSYPLM43G |

**> How can I obtain RAL 7032 enclosures?**  
Consult us.

**> Will the new RAL 7035 colour offer the same properties as RAL 7032?**  
Yes, all mechanical properties will be the same. The light reflexion is even improved.

**New dimensions**  
 2000 mm height  
 620 mm depth

# Polyester floor-standing enclosures

## Introduction

> The **floor-standing enclosures** are made from **polyester reinforced with fibreglass**, moulded by hot compression. High resistance to corrosion in harsh environments, it maintains its mechanical and insulation properties.



### Bigger dimensions

The new options with **2000 mm** height end **620 mm** depth have been created to feet industry and infrastructure demands for motor control, power distribution, electronics or telecom applications.

#### PLAT version



##### Ventilation

Open top part with canopy allowing for ventilation.



##### Easy

Various bosses for M8 inserts.

#### PLAZ version



##### Open bottom

Big open bottom to be mounted directly on the floor or on a plinth.



##### Smart

Plain mounting plate installed on step slides and compulsory adapter plates in all the enclosures with open bottom part.

#### PLAZT version



##### Easy

Door opening to 180°.



##### Resistant

Anti-lever security system.

**This range can be configured according to your needs**

4 different services available:



Assemble to order



Mounting of standard accessories



Painting

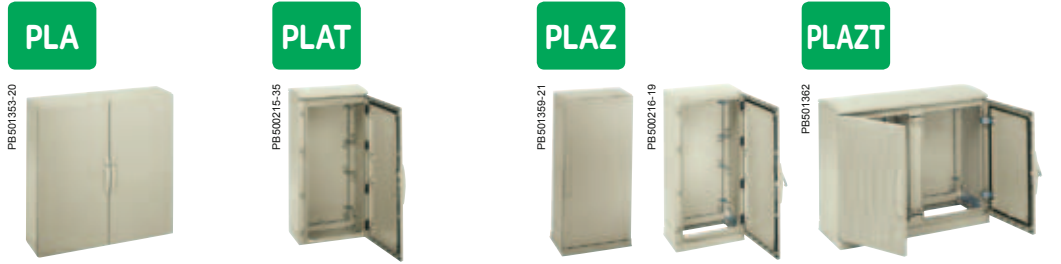


Machining

See page 450 for details or consult our web site [www.schneider-electric.com](http://www.schneider-electric.com)

# Polyester floor-standing enclosures

## Characteristics



| Characteristics              | PLA version                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | PLAT version                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | PLAZ version                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | PLAzt version                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              | <p><b>Completely sealed enclosure</b></p> <ul style="list-style-type: none"> <li>■ Enclosure obtained by assembling:                             <ul style="list-style-type: none"> <li>□ 1 sealed top part,</li> <li>□ 1 sealed bottom part,</li> <li>□ 2 side parts,</li> <li>□ 1 or 2 rear panels (according to width),</li> <li>□ 1 or 2 doors (according to width).</li> </ul> </li> <li>■ Locking system with escutcheon and 5-mm double-bar insert, included in the standard supply. Other inserts or locks with handles optionally available.</li> <li>■ Door opening to 120°.</li> </ul> | <p><b>Enclosure with ventilated canopy</b></p> <ul style="list-style-type: none"> <li>■ Enclosure obtained by assembling:                             <ul style="list-style-type: none"> <li>□ 1 open top part with canopy,</li> <li>□ 1 sealed bottom part,</li> <li>□ 2 side parts,</li> <li>□ 1 or 2 rear panels (according to width),</li> <li>□ 1 or 2 doors (according to width).</li> </ul> </li> <li>■ Locking system with handle with a 5-mm double-bar insert block, included in the standard supply. Other blocks with inserts or barrels and keys optionally available.</li> <li>■ Door opening to 120°.</li> </ul> | <p><b>Enclosure with plinth-type open bottom</b></p> <ul style="list-style-type: none"> <li>■ Enclosure obtained by assembling:                             <ul style="list-style-type: none"> <li>□ 1 sealed top part,</li> <li>□ 1 plinth-type open bottom part,</li> <li>□ 2 side parts,</li> <li>□ 1 or 2 rear panels (according to width),</li> <li>□ 1 or 2 doors (according to width).</li> </ul> </li> <li>■ Locking system with handle with a 5 mm double-bar insert block, included in the standard supply. Other blocks with inserts or barrels and keys optionally available.</li> <li>■ Door opening to 120°.</li> </ul> | <p><b>Enclosure with plinth-type open bottom and ventilated canopy</b></p> <ul style="list-style-type: none"> <li>■ Enclosure obtained by assembling:                             <ul style="list-style-type: none"> <li>□ 1 open top part with canopy,</li> <li>□ 1 plinth-type open bottom part,</li> <li>□ 2 side parts,</li> <li>□ 1 or 2 rear panels (according to width),</li> <li>□ 1 or 2 doors (according to width).</li> </ul> </li> <li>■ Locking system with handle with a 5 mm double-bar insert block. Other blocks with inserts or barrels and keys optionally available.</li> <li>■ Door opening to 180°.</li> <li>■ Anti-lever system to prevent forcing of the door.</li> </ul> |
| Material                     | Polyester reinforced with fibreglass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Finish                       | Moulded by hot compression: the pieces have an excellent finish on both sides and can include numerous bosses for accommodating inserts and mounting or cable management accessories                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Colour                       | RAL 7032 grey*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Ingress protection rating    | IP65 according to IEC 60529                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <ul style="list-style-type: none"> <li>■ IP44 according to IEC 60529</li> <li>■ IP54 with 1 or 2 internal grilles, ref. <b>NSYCAG125LPP</b>, to be ordered separately</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                | IP54 according to IEC 60529                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <ul style="list-style-type: none"> <li>■ IP44 according to IEC 60529</li> <li>■ IP54 with 1 or 2 internal grilles, ref. <b>NSYCAG125LPP</b>, to be ordered separately</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Mechanical protection rating | <ul style="list-style-type: none"> <li>■ IK10 (20 joules) plain door - IEC62262</li> <li>■ IK08 (5 joules) glazed door</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Insulation                   | Class II according to IEC 60950-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Certifications               | <ul style="list-style-type: none"> <li>■ UL 508A/CAN-CSA 22</li> <li>□ single door: Nema types 1, 2, 3, 3R, 3S, 4, 4X, 5, 12 and 13</li> <li>□ double door: Nema types 1, 2, 12 and 13</li> <li>■ Marine</li> <li>■ IEC 62208</li> <li>■ Environment: the factory complies with ISO 14 001 (Environmental management) and ISO 50 001 (Energy management system)</li> </ul>                                                                                                                                                                                                                        | <ul style="list-style-type: none"> <li>■ 62208</li> <li>■ Environment: the factory complies with ISO 14 001 (Environmental management) and ISO 50 001 (Energy management system)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Installation                 | <ul style="list-style-type: none"> <li>■ Indoor use only. For outdoor use, must install a canopy</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <ul style="list-style-type: none"> <li>■ Outdoor or indoor installation: compliant with IEC 62208 regarding type tests specified in §9.12 (resistance to ultra-violet (UV) radiation) and §9.13 (resistance to corrosion). It is always advisable to install a canopy to avoid water stagnation on the upper part of the enclosure</li> </ul>                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                              | <ul style="list-style-type: none"> <li>■ Direct fixing to the floor or by means of a plinth with a height of 60 mm, as an option, see page 192</li> <li>■ Possibility of fixing on a semi-embedded plinth, see page 192</li> <li>■ Optional wall-fixing lugs</li> </ul>                                                                                                                                                                                                                                                                                                                           | <ul style="list-style-type: none"> <li>■ The open bottom part forms a 60 mm plinth which is fixed to the floor directly or by means of an optional fixing frame, see page 194, or else it is installed on a semi-embedded plinth, see page 194</li> </ul>                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Options                      | Anti-posting door upon request                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

\* RAL 7035 from 2016.

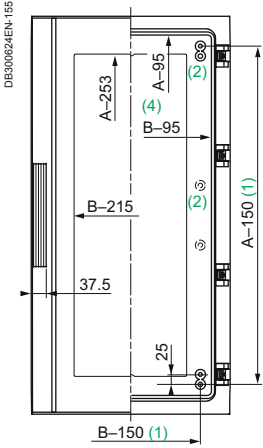
➤ **PHD - Applicative and customised solutions**

See the Polyester Heavy Duty offer in the Applicative and customised solutions, page 332.

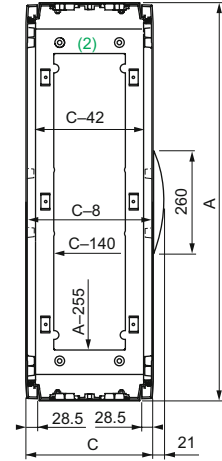
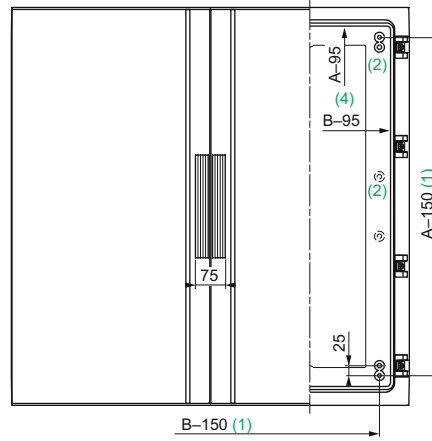
# Polyester floor-standing enclosures

## Dimensions

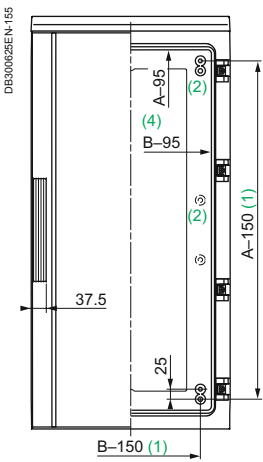
### PLA



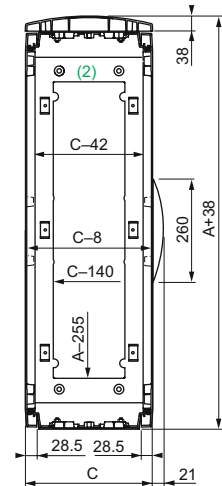
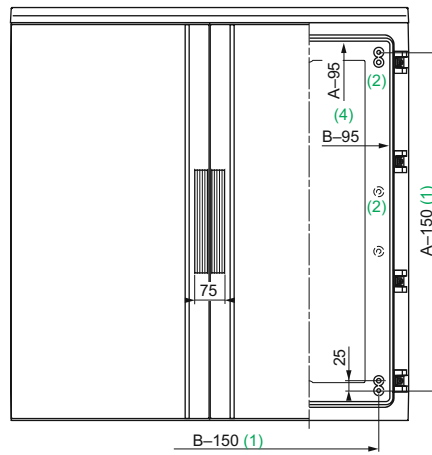
### Sealed enclosure



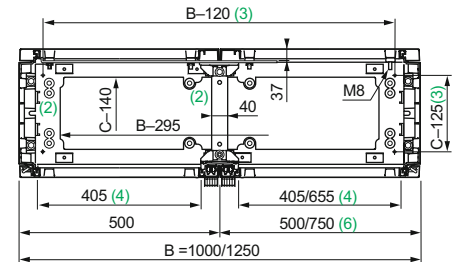
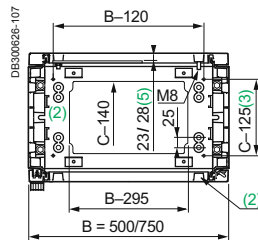
### PLAT



### Enclosure with ventilated canopy



### Common top views



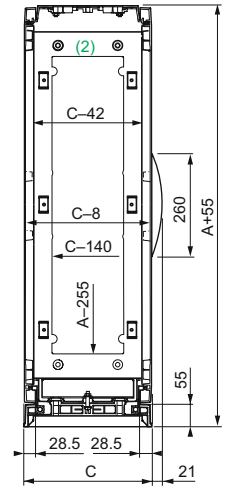
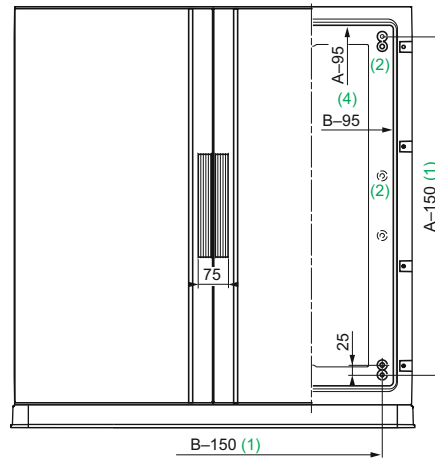
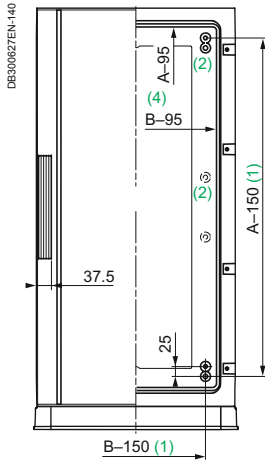


# Polyester floor-standing enclosures

## Dimensions

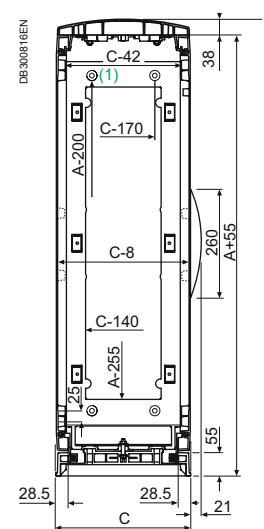
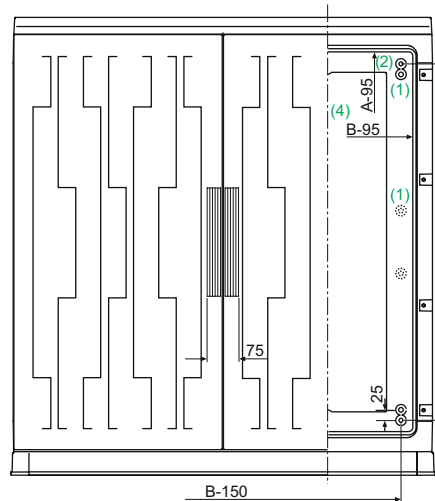
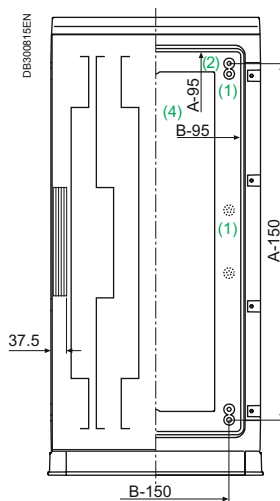
### PLAZ

### Enclosure with plinth-type open bottom part

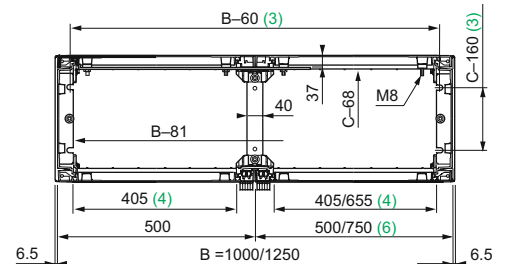
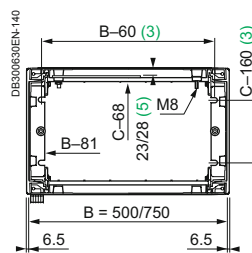


### PLAZT

### Enclosure with ventilated canopy and plinth-type open bottom part



### Common top views



- (1) 4 bosses with M8 inserts and studs for direct fixing of mounting plates.
- (2) Bosses designed to accommodate M8 inserts, ref. **NSYTEX8**. They are placed:
  - On the back of the enclosure, from the height of 1000 mm. They allow the fixing of partial mounting plates and assorted equipment.
  - On the top and bottom parts of the enclosure. They are used for fixing the step slides, an internal door, 19" chassis, etc.
- (3) Dimensions for fixing on the floor or on a plinth.
- (4) Entry dimensions, door open.
- (5) Dimension of 28 mm for enclosures with heights of more than 1000 mm (height after the installation of the plain mounting plates with reinforcement foldings).
- (6) With a width of 1250 mm in standard supply, 500-mm door on the left and 750-mm door on the right.

# Polyester floor-standing enclosures

## Selection guide

**[!]** Indoor and Outdoor  
 For outdoor use, must install a canopy.

### IP65 or IP54

**PLA**



**PLAZ**



| Dimensions (mm)                    |           |           |             | Completely sealed enclosures, IP65 |              | Enclosures with plinth-type open bottom part, IP54 |             |
|------------------------------------|-----------|-----------|-------------|------------------------------------|--------------|----------------------------------------------------|-------------|
| References of enclosures with door |           |           |             |                                    |              |                                                    |             |
| Height (A)                         | Width (B) | Depth (C) | N° of doors | Plain                              | Glazed       | Plain                                              |             |
| 500                                | 500       | 320       | 1           | NSYPLA553                          | NSYPLA553T   | NSYPLAZ553                                         |             |
|                                    |           | 420       | 1           | NSYPLA554                          | NSYPLA554T   | NSYPLAZ554                                         |             |
|                                    | 750       | 320       | 1           | NSYPLA573                          | NSYPLA573T   | NSYPLAZ573                                         |             |
|                                    |           | 420       | 1           | NSYPLA574                          | NSYPLA574T   | NSYPLAZ574                                         |             |
|                                    | 1000      | 320       | 2           | NSYPLA5103                         | NSYPLA5103T  | NSYPLAZ5103                                        |             |
|                                    |           | 420       | 2           | NSYPLA5104                         | NSYPLA5104T  | NSYPLAZ5104                                        |             |
|                                    | 1250      | 320       | 2           | NSYPLA5123                         | NSYPLA5123T  | NSYPLAZ5123                                        |             |
|                                    |           | 420       | 2           | NSYPLA5124                         | NSYPLA5124T  | NSYPLAZ5124                                        |             |
| 750                                | 500       | 320       | 1           | NSYPLA753                          | NSYPLA753T   | NSYPLAZ753                                         |             |
|                                    |           | 420       | 1           | NSYPLA754                          | NSYPLA754T   | NSYPLAZ754                                         |             |
|                                    | 750       | 320       | 1           | NSYPLA773                          | NSYPLA773T   | NSYPLAZ773                                         |             |
|                                    |           | 420       | 1           | NSYPLA774                          | NSYPLA774T   | NSYPLAZ774                                         |             |
|                                    | 1000      | 320       | 2           | NSYPLA7103                         | NSYPLA7103T  | NSYPLAZ7103                                        |             |
|                                    |           | 420       | 2           | NSYPLA7104                         | NSYPLA7104T  | NSYPLAZ7104                                        |             |
|                                    | 1250      | 320       | 2           | NSYPLA7123                         | NSYPLA7123T  | NSYPLAZ7123                                        |             |
|                                    |           | 420       | 2           | NSYPLA7124                         | NSYPLA7124T  | NSYPLAZ7124                                        |             |
|                                    | 1000      | 500       | 320         | 1                                  | NSYPLA1053   | NSYPLA1053T                                        | NSYPLAZ1053 |
|                                    |           |           | 420         | 1                                  | NSYPLA1054   | NSYPLA1054T                                        | NSYPLAZ1054 |
| 750                                |           | 320       | 1           | NSYPLA1073                         | NSYPLA1073T  | NSYPLAZ1073                                        |             |
|                                    |           | 420       | 1           | NSYPLA1074                         | NSYPLA1074T  | NSYPLAZ1074                                        |             |
| 1000                               |           | 320       | 2           | NSYPLA10103                        | NSYPLA10103T | NSYPLAZ10103                                       |             |
|                                    |           | 420       | 2           | NSYPLA10104                        | NSYPLA10104T | NSYPLAZ10104                                       |             |
| 1250                               |           | 320       | 2           | NSYPLA10123                        | NSYPLA10123T | NSYPLAZ10123                                       |             |
|                                    |           | 420       | 2           | NSYPLA10124                        | NSYPLA10124T | NSYPLAZ10124                                       |             |
| 1250                               | 500       | 320       | 1           | NSYPLA1253                         | NSYPLA1253T  | NSYPLAZ1253                                        |             |
|                                    |           | 420       | 1           | NSYPLA1254                         | NSYPLA1254T  | NSYPLAZ1254                                        |             |
|                                    | 750       | 320       | 1           | NSYPLA1273                         | NSYPLA1273T  | NSYPLAZ1273                                        |             |
|                                    |           | 420       | 1           | NSYPLA1274                         | NSYPLA1274T  | NSYPLAZ1274                                        |             |
|                                    | 1000      | 320       | 2           | NSYPLA12103                        | NSYPLA12103T | NSYPLAZ12103                                       |             |
|                                    |           | 420       | 2           | NSYPLA12104                        | NSYPLA12104T | NSYPLAZ12104                                       |             |
|                                    | 1250      | 320       | 2           | NSYPLA12123                        | NSYPLA12123T | NSYPLAZ12123                                       |             |
|                                    |           | 420       | 2           | NSYPLA12124                        | NSYPLA12124T | NSYPLAZ12124                                       |             |
| 1500                               | 500       | 320       | 1           | NSYPLA1553                         | NSYPLA1553T  | NSYPLAZ1553                                        |             |
|                                    |           | 420       | 1           | NSYPLA1554                         | NSYPLA1554T  | NSYPLAZ1554                                        |             |
|                                    | 750       | 320       | 1           | NSYPLA1573                         | NSYPLA1573T  | NSYPLAZ1573                                        |             |
|                                    |           | 420       | 1           | NSYPLA1574                         | NSYPLA1574T  | NSYPLAZ1574                                        |             |
|                                    | 1000      | 320       | 2           | NSYPLA15103                        | NSYPLA15103T | NSYPLAZ15103                                       |             |
|                                    |           | 420       | 2           | NSYPLA15104                        | NSYPLA15104T | NSYPLAZ15104                                       |             |
|                                    | 1250      | 320       | 2           | NSYPLA15123                        | NSYPLA15123T | NSYPLAZ15123                                       |             |
|                                    |           | 420       | 2           | NSYPLA15124                        | NSYPLA15124T | NSYPLAZ15124                                       |             |

**> PHD - Applicative and customised solutions**  
 See the Polyester Heavy Duty offer in the Applicative and customised solutions, page 332.

# Polyester floor-standing enclosures

## Selection guide

### IP44

**PLAT**



**PLAZT**



| Dimensions (mm)                           |           |           |             | Enclosures with ventilated canopy, IP44 | Enclosures with plinth-type open bottom part and ventilated canopy, IP44 |
|-------------------------------------------|-----------|-----------|-------------|-----------------------------------------|--------------------------------------------------------------------------|
| <b>References of enclosures with door</b> |           |           |             |                                         |                                                                          |
| Height (A)                                | Width (B) | Depth (C) | N° of doors | Plain                                   | Plain                                                                    |
| 500                                       | 500       | 320       | 1           | NSYPLAT553                              | NSYPLAZT553                                                              |
|                                           |           | 420       | 1           | NSYPLAT554                              | NSYPLAZT554                                                              |
|                                           | 750       | 320       | 1           | NSYPLAT573                              | NSYPLAZT573                                                              |
|                                           |           | 420       | 1           | NSYPLAT574                              | NSYPLAZT574                                                              |
|                                           | 1000      | 320       | 2           | NSYPLAT5103                             | NSYPLAZT5103                                                             |
|                                           |           | 420       | 2           | NSYPLAT5104                             | NSYPLAZT5104                                                             |
|                                           | 1250      | 320       | 2           | NSYPLAT5123                             | NSYPLAZT5123                                                             |
|                                           |           | 420       | 2           | NSYPLAT5124                             | NSYPLAZT5124                                                             |
| 750                                       | 500       | 320       | 1           | NSYPLAT753                              | NSYPLAZT753                                                              |
|                                           |           | 420       | 1           | NSYPLAT754                              | NSYPLAZT754                                                              |
|                                           | 750       | 320       | 1           | NSYPLAT773                              | NSYPLAZT773                                                              |
|                                           |           | 420       | 1           | NSYPLAT774                              | NSYPLAZT774                                                              |
|                                           | 1000      | 320       | 2           | NSYPLAT7103                             | NSYPLAZT7103                                                             |
|                                           |           | 420       | 2           | NSYPLAT7104                             | NSYPLAZT7104                                                             |
|                                           | 1250      | 320       | 2           | NSYPLAT7123                             | NSYPLAZT7123                                                             |
|                                           |           | 420       | 2           | NSYPLAT7124                             | NSYPLAZT7124                                                             |
| 1000                                      | 500       | 320       | 1           | NSYPLAT1053                             | NSYPLAZT1053                                                             |
|                                           |           | 420       | 1           | NSYPLAT1054                             | NSYPLAZT1054                                                             |
|                                           | 750       | 320       | 1           | NSYPLAT1073                             | NSYPLAZT1073                                                             |
|                                           |           | 420       | 1           | NSYPLAT1074                             | NSYPLAZT1074                                                             |
|                                           | 1000      | 320       | 2           | NSYPLAT10103                            | NSYPLAZT10103                                                            |
|                                           |           | 420       | 2           | NSYPLAT10104                            | NSYPLAZT10104                                                            |
|                                           | 1250      | 320       | 2           | NSYPLAT10123                            | NSYPLAZT10123                                                            |
|                                           |           | 420       | 2           | NSYPLAT10124                            | NSYPLAZT10124                                                            |
| 1250                                      | 500       | 320       | 1           | NSYPLAT1253                             | NSYPLAZT1253                                                             |
|                                           |           | 420       | 1           | NSYPLAT1254                             | NSYPLAZT1254                                                             |
|                                           | 750       | 320       | 1           | NSYPLAT1273                             | NSYPLAZT1273                                                             |
|                                           |           | 420       | 1           | NSYPLAT1274                             | NSYPLAZT1274                                                             |
|                                           | 1000      | 320       | 2           | NSYPLAT12103                            | NSYPLAZT12103                                                            |
|                                           |           | 420       | 2           | NSYPLAT12104                            | NSYPLAZT12104                                                            |
|                                           | 1250      | 320       | 2           | NSYPLAT12123                            | NSYPLAZT12123                                                            |
|                                           |           | 420       | 2           | NSYPLAT12124                            | NSYPLAZT12124                                                            |
| 1500                                      | 500       | 320       | 1           | NSYPLAT1553                             | NSYPLAZT1553                                                             |
|                                           |           | 420       | 1           | NSYPLAT1554                             | NSYPLAZT1554                                                             |
|                                           | 750       | 320       | 1           | NSYPLAT1573                             | NSYPLAZT1573                                                             |
|                                           |           | 420       | 1           | NSYPLAT1574                             | NSYPLAZT1574                                                             |
|                                           | 1000      | 320       | 2           | NSYPLAT15103                            | NSYPLAZT15103                                                            |
|                                           |           | 420       | 2           | NSYPLAT15104                            | NSYPLAZT15104                                                            |
|                                           | 1250      | 320       | 2           | NSYPLAT15123                            | NSYPLAZT15123                                                            |
|                                           |           | 420       | 2           | NSYPLAT15124                            | NSYPLAZT15124                                                            |

**➤ PHD - Applicative and customised solutions**

See the Polyester Heavy Duty offer in the Applicative and customised solutions, page 332.

# Polyester floor-standing enclosures

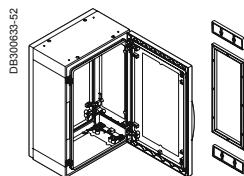
## Specific accessories overview

PB501394-SE-90



### Composition accessories

#### Coupling kits



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#### Fixing



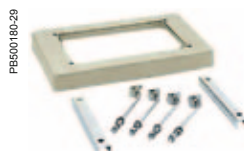
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#### Cable-entry



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#### Base accessories



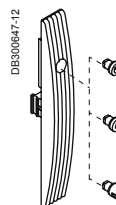
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#### Door



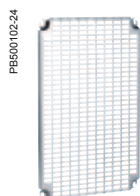
Page 196

#### Locking system



Page 197

#### Installation accessories



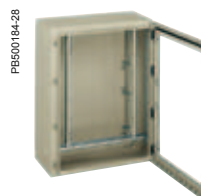
Page 198

#### Modular distribution accessories



Page 204

#### 19" chassis



Page 205

#### Anti-burglary accessory



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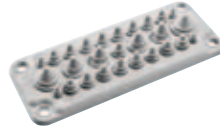
# Polyester floor-standing enclosures

## Common accessories overview

### Cable management

#### Cable management

PB502492-29



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#### Cable holding

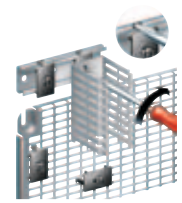
PB500968-40



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#### Cable ducting

PB500898-22



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### Thermal management

#### Heaters

PB502503-29



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#### Ventilation

PB501044-26



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#### Cooling units

PB502614-15



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#### Thermal control

PB501162-19



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### Fixing accessories

#### Rails

PB500177



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### Composition accessories

#### VDI accessories and fixings

PB500189-17

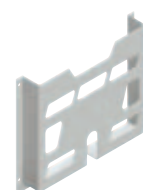


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### Other accessories

#### Document pocket

PB502859-18



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# Polyester floor-standing enclosures

## Specific accessories

### Coupling kits

| Characteristics           | Horizontal coupling kits*                                                                                                                                                                                                                                                             |              |              | Vertical coupling kit                                                                                                                                                                    |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           | <ul style="list-style-type: none"> <li>For coupling 2 enclosures side by side.</li> <li>Coupling frame kit: made up of a coupling kit and the fixings required for installation.</li> <li>Trim kit: made up of 2 frames for aesthetic fitting of the 2 coupled enclosures.</li> </ul> |              |              | <ul style="list-style-type: none"> <li>For coupling 2 enclosures on top of one another.</li> <li>Kit made up of 3.5 m of adhesive seal and the fixings required for mounting.</li> </ul> |
| Ingress protection rating | IP55 at the coupling point                                                                                                                                                                                                                                                            |              |              | IP55 at the coupling point                                                                                                                                                               |
| For enclosure             | Coupling frame kit for enclosure                                                                                                                                                                                                                                                      |              |              |                                                                                                                                                                                          |
| Height (mm)               | Depth 320 mm                                                                                                                                                                                                                                                                          | Depth 420 mm | Depth 620 mm |                                                                                                                                                                                          |
| 500                       | NSYMUPLA53                                                                                                                                                                                                                                                                            | NSYMUPLA54   | -            | NSYUVPLA                                                                                                                                                                                 |
| 750                       | NSYMUPLA73                                                                                                                                                                                                                                                                            | NSYMUPLA74   | NSYMUPLA76   |                                                                                                                                                                                          |
| 1000                      | NSYMUPLA103                                                                                                                                                                                                                                                                           | NSYMUPLA104  | -            |                                                                                                                                                                                          |
| 1250                      | NSYMUPLA123                                                                                                                                                                                                                                                                           | NSYMUPLA124  | NSYMUPLA126  |                                                                                                                                                                                          |
| 1500                      | NSYMUPLA153                                                                                                                                                                                                                                                                           | NSYMUPLA154  | NSYMUPLA156  |                                                                                                                                                                                          |
| For enclosure             | Trim kit for enclosure                                                                                                                                                                                                                                                                |              |              |                                                                                                                                                                                          |
|                           | Depth 320 mm                                                                                                                                                                                                                                                                          | Depth 420 mm |              |                                                                                                                                                                                          |
| Without canopy            | NSYSUPLA3                                                                                                                                                                                                                                                                             | NSYSUPLA4    |              |                                                                                                                                                                                          |
| With canopy               | NSYSUPLA3T                                                                                                                                                                                                                                                                            | NSYSUPLA4T   |              |                                                                                                                                                                                          |

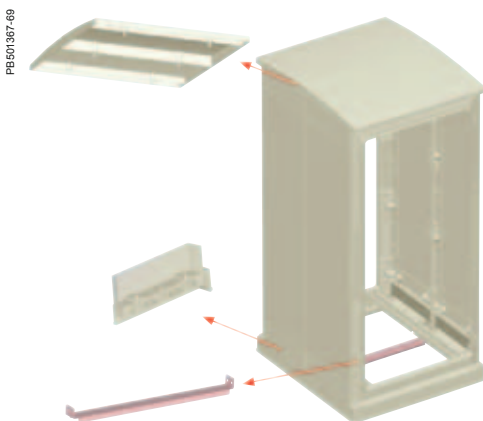
DB300633-60

Trim frames      Coupling frames

DB300634-27

\* Not valid for coupling 2 enclosures using ZZ or ZH type plinth.

### [!] Enhanced depth enclosure



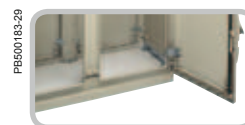
- After industrial machining, the frames of the standard enclosures are coupled in the factory to obtain enhanced depth floor-standing enclosures.
- The internal volume of the standard enclosures remains unaffected.
- Possible for the 4 enclosure versions, in particular for 19" applications with widths of 750 and 1250 mm.
- IP44 in the version with ventilated canopy, IP54 for the other versions.
- A rear door can be installed in the coupled enclosures.
- Option of installing 2 sets of step slides (at the front and at the rear).
- Supply or installation in the enclosures of a 19" chassis with side trim plate installed on the step slides:
  - 19 U, height 1000 mm,
  - 23 U, height 1250 mm,
  - 25 U, height 1500 mm.

# Polyester floor-standing enclosures

## Specific accessories

### Fixing, cable-entry and other accessories

**PLAZ PLAZT**



| Characteristics           |                | Canopy                                                                                                                                                                                                                                                              | Wall-fixing lugs                                                                                                                                                                                                                            | Cable-entry plate                                                                                                                                                                                               |
|---------------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                | <ul style="list-style-type: none"> <li>It can be installed in all enclosure models.</li> <li>High resistance to impacts, temperature and bad weather.</li> <li>Increases the height (A) of the enclosure by 38 mm, without modifying its width or depth.</li> </ul> | Drilling positions and marks inside the side panels.                                                                                                                                                                                        | <ul style="list-style-type: none"> <li>Easy drilling in specific customised version.</li> <li>Incompatibility with: adapter plates, step slides, internal door and chassis for modular distribution.</li> </ul> |
| Material                  |                | Polyester reinforced with fibreglass                                                                                                                                                                                                                                | Passivated zinc-coated                                                                                                                                                                                                                      | Polyester reinforced with fibreglass                                                                                                                                                                            |
| Colour                    |                | RAL 7032 grey*                                                                                                                                                                                                                                                      | -                                                                                                                                                                                                                                           | RAL 7032 grey*                                                                                                                                                                                                  |
| Thickness                 |                | -                                                                                                                                                                                                                                                                   | -                                                                                                                                                                                                                                           | 40/10° mm                                                                                                                                                                                                       |
| Ingress protection rating |                | -                                                                                                                                                                                                                                                                   | -                                                                                                                                                                                                                                           | IP00                                                                                                                                                                                                            |
| Installation              |                | Essential for outdoor use                                                                                                                                                                                                                                           | -                                                                                                                                                                                                                                           | -                                                                                                                                                                                                               |
| Fixing                    |                | -                                                                                                                                                                                                                                                                   | <ul style="list-style-type: none"> <li>Fixing on the sides by 4 or 6 lugs in horizontal position (6 lugs for enclosures with height <math>\geq 1000</math> mm)</li> <li>10 mm fixing distance on the rear of the enclosure plane</li> </ul> | -                                                                                                                                                                                                               |
| Maximum load              |                | -                                                                                                                                                                                                                                                                   | 180 kg                                                                                                                                                                                                                                      | -                                                                                                                                                                                                               |
| Supply                    |                | Delivered with the fixings required for installation                                                                                                                                                                                                                | Set of 6 lugs and fixings                                                                                                                                                                                                                   | Delivered with the fixings required for installation                                                                                                                                                            |
| Width (mm)                | Depth (mm) (C) | References                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                             |                                                                                                                                                                                                                 |
| 500                       | 320            | <b>NSYTJPLA53</b>                                                                                                                                                                                                                                                   | <b>NSYFMPLA</b>                                                                                                                                                                                                                             | <b>NSYECPLAZ53</b>                                                                                                                                                                                              |
| 750                       | 320            | <b>NSYTJPLA73</b>                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                             | <b>NSYECPLAZ73</b>                                                                                                                                                                                              |
| 1000                      | 320            | <b>NSYTJPLA103</b>                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                             | <b>NSYECPLAZ103</b>                                                                                                                                                                                             |
| 1250                      | 320            | <b>NSYTJPLA123</b>                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                             | <b>NSYECPLAZ123</b>                                                                                                                                                                                             |
| 500                       | 420            | <b>NSYTJPLA54</b>                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                             | <b>NSYECPLAZ54</b>                                                                                                                                                                                              |
| 750                       | 420            | <b>NSYTJPLA74</b>                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                             | <b>NSYECPLAZ74</b>                                                                                                                                                                                              |
| 1000                      | 420            | <b>NSYTJPLA104</b>                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                             | <b>NSYECPLAZ104</b>                                                                                                                                                                                             |
| 1250                      | 420            | <b>NSYTJPLA124</b>                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                             | <b>NSYECPLAZ124</b>                                                                                                                                                                                             |
|                           |                |                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                             |                                                                                                                                                                                                                 |

(1) For enclosures with height  $\geq 1000$  mm, 1 extra lug at the centre of the A-375 side.  
\*RAL 7035 from 2016.

**PLAT PLAZT**



| Characteristics | Grille for IP54 instead of IP44                                                                                                                                                                                                | Renovation and anti-graffiti paint                                                                                                                                                  |                                                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
|                 | 1 grille for 500 and 750 mm wide enclosures, 2 grilles for 1000 and 1250 mm wide enclosures. Prevents the entry of dust and provides the enclosure with IP 5X protection at the top. Maintains the possibility of ventilation. | 2-component paint system, specially formulated for polyester enclosures. Renews enclosures and allows easy removal of graffiti. Paint composed of: base (80 %) and hardener (20 %). |                                                                                                                                              |
| Colour          | RAL 7032 grey*                                                                                                                                                                                                                 | RAL 7032 grey                                                                                                                                                                       |                                                                                                                                              |
| Installation    | It is installed from the inside in the upper ventilation opening                                                                                                                                                               | -                                                                                                                                                                                   |                                                                                                                                              |
| Supply          | Delivered with G2 M1 standard synthetic filter, see ClimaSys section                                                                                                                                                           | 1 kg:<br><input type="checkbox"/> 800 g tin of base paint<br><input type="checkbox"/> 200 g tin of hardener<br>(Coverage = 5 m <sup>2</sup> )                                       | 5 kg:<br><input type="checkbox"/> 4 kg tin of base paint<br><input type="checkbox"/> 1 kg tin of hardener<br>(Coverage = 25 m <sup>2</sup> ) |
| References      | <b>NSYCAG125LPF</b>                                                                                                                                                                                                            | <b>NSYAUPG1</b>                                                                                                                                                                     | <b>NSYAUPG5</b>                                                                                                                              |
|                 |                                                                                                                                                                                                                                |                                                                                                                                                                                     | <b>NSYAUPGS</b>                                                                                                                              |

\*RAL 7035 from 2016.

# Polyester floor-standing enclosures

## Specific accessories

PLA PLAT

### Base accessories



#### Characteristics ZA plinths

|                              |                                                                                                                                          |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Material                     | Polyester reinforced with fibreglass                                                                                                     |
| Colour                       | RAL 7032 grey*                                                                                                                           |
| Ingress protection rating    | IP44                                                                                                                                     |
| Mechanical protection rating | IK10                                                                                                                                     |
| Standards                    | IEC 61439-1                                                                                                                              |
| Fixing                       | Four floor-attachment points; the symmetry of the parts prevents incorrect assembly                                                      |
| Supply                       | The reference of the plinth contains all the accessories required for attaching the enclosure to the plinth and for stacking two plinths |

| For floor-standing enclosure |                |                |               | Plinth     |            | Height 200 mm |            | Cable-gland area |  |
|------------------------------|----------------|----------------|---------------|------------|------------|---------------|------------|------------------|--|
| Height (mm)                  | Width (mm) (B) | Depth (mm) (C) | References    | Width (mm) | Depth (mm) | References    | Width (mm) | Depth (mm)       |  |
| 500 to 1500                  | 500            | 320            | NSYPLA(T)•53  | 494        | 250        | NSYZA253      | 360        | 205              |  |
| 500 to 1500                  | 750            | 320            | NSYPLA(T)•73  | 744        | 250        | NSYZA273      | 610        | 205              |  |
| 500 to 1500                  | 1000           | 320            | NSYPLA(T)•103 | 994        | 250        | NSYZA2103     | 860        | 205              |  |
| 500 to 1500                  | 1250           | 320            | NSYPLA(T)•123 | 1244       | 250        | NSYZA2123     | 1100       | 205              |  |
| 500 to 1500                  | 500            | 420            | NSYPLA(T)•54  | 494        | 350        | NSYZA254      | 360        | 305              |  |
| 500 to 1500                  | 750            | 420            | NSYPLA(T)•74  | 744        | 350        | NSYZA274      | 610        | 305              |  |
| 500 to 1500                  | 1000           | 420            | NSYPLA(T)•104 | 994        | 350        | NSYZA2104     | 860        | 305              |  |
| 500 to 1500                  | 1250           | 420            | NSYPLA(T)•124 | 1244       | 350        | NSYZA2124     | 1110       | 305              |  |

#### Cable supporting cross-rail



■ **Description:** the lateral sides of the plinth are provided with bosses for attaching cross-rails with cut-out profiles, for supporting cables.  
 ■ **Supply:** the reference of the cross-rail includes all the elements required for assembly.

| For plinth |           | Cross-rail |
|------------|-----------|------------|
| NSYZA253   | NSYZA254  | NSYAC320   |
| NSYZA273   | NSYZA274  | NSYAC560   |
| NSYZA2103  | NSYZA2104 | NSYAC840   |
| NSYZA2123  | NSYZA2124 | NSYAC1080  |

#### Kit for IP54

**Description:** makes it possible to obtain IP 54 for the plinth and the plinth-enclosure connection.

**Reference**  
 NSYAEFZA

#### Feet for partially buried installation



■ **Description:** allows the partially buried installation of plinths before completion of the floor. The plinths are attached by four feet with a standard length of 750 mm. Possibility of horizontal adjustment of the plinth.  
 ■ **Supply:** the kit is made up of four feet and fixings.

**Reference**  
 NSYAEFZ

\* RAL 7035 from 2016.



### Base accessories



#### N plinths

Designed to be installed under the closed-bottom enclosures (version PLA or PLAT).

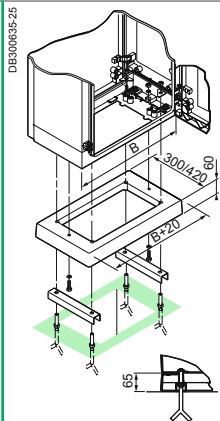
Polyester reinforced with fibreglass  
RAL 7032 grey\*

Delivered with fixings required for installation

Height 60 mm

#### References

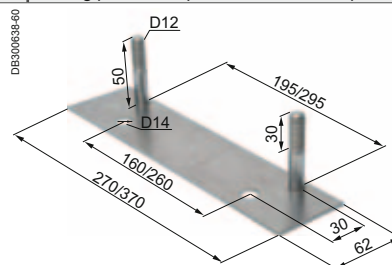
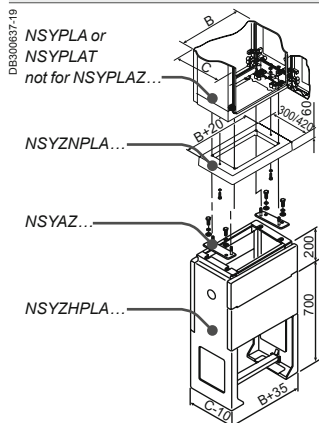
- NSYZNPLA53
- NSYZNPLA73
- NSYZNPLA103
- NSYZNPLA123
- NSYZNPLA54
- NSYZNPLA74
- NSYZNPLA104
- NSYZNPLA124



#### Connectors between plinths

- **Description:** designed to allow the adaptation of a closed-bottom enclosure + N plinth on a H-type partially buried plinth.
- **Supply:** 2 parts for adapting the centre-to-centre distances.

| For floor-standing enclosure Depth (mm) | Description                                   | References |
|-----------------------------------------|-----------------------------------------------|------------|
| 320                                     | Linking parts for N plinth on 320-mm H plinth | NSYAZ3PLA  |
| 420                                     | Linking parts for N plinth on 420-mm H plinth | NSYAZ4PLA  |



# Polyester floor-standing enclosures

## Specific accessories

PLAZ PLAZT

### Base accessories



#### Characteristics

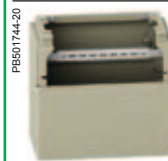
#### ZZ plinths (1)

- The frontal parts (front and rear) are removed from the inside. Removing them makes it easier to install the cables.
- The 500-mm plinth can be partially buried.
- It is provided with one or two reinforcement cross-rails, adjustable to adapt to the position of the cables.

|                              |                                                                                                             |
|------------------------------|-------------------------------------------------------------------------------------------------------------|
| Material                     | Polyester reinforced with fibreglass                                                                        |
| Colour                       | RAL 7032 grey (2)                                                                                           |
| Ingress protection rating    | IP44                                                                                                        |
| Mechanical protection rating | IK10                                                                                                        |
| Standards                    | IEC 61439-1                                                                                                 |
| Fixing                       | Four floor-attachment points; the symmetry of the parts prevents incorrect assembly                         |
| Supply                       | The reference of the plinth contains all the accessories required for attaching the enclosure to the plinth |

| For floor-standing enclosure |                |                |                | Plinth     |            | Cable-gland area |            | Height 200 mm | Height 500 mm |
|------------------------------|----------------|----------------|----------------|------------|------------|------------------|------------|---------------|---------------|
| Height (mm)                  | Width (mm) (B) | Depth (mm) (C) | References     | Width (mm) | Depth (mm) | Width (mm)       | Depth (mm) | References    | References    |
| 500 to 1500                  | 500            | 320            | NSYPLAZ(T)•53  | 535        | 310        | 419              | 252        | NSYZZ253      | NSYZZ553      |
| 500 to 1500                  | 750            | 320            | NSYPLAZ(T)•73  | 785        | 310        | 669              | 252        | NSYZZ273      | NSYZZ573      |
| 500 to 1500                  | 1000           | 320            | NSYPLAZ(T)•103 | 1035       | 310        | 919              | 252        | NSYZZ2103     | NSYZZ5103     |
| 500 to 1500                  | 1250           | 320            | NSYPLAZ(T)•123 | 1285       | 310        | 1169             | 252        | NSYZZ2123     | NSYZZ5123     |
| 500 to 1500                  | 500            | 420            | NSYPLAZ(T)•54  | 535        | 410        | 419              | 352        | NSYZZ254      | NSYZZ554      |
| 500 to 1500                  | 750            | 420            | NSYPLAZ(T)•74  | 785        | 410        | 669              | 352        | NSYZZ274      | NSYZZ574      |
| 500 to 1500                  | 1000           | 420            | NSYPLAZ(T)•104 | 1035       | 410        | 919              | 352        | NSYZZ2104     | NSYZZ5104     |
| 500 to 1500                  | 1250           | 420            | NSYPLAZ(T)•124 | 1285       | 410        | 1169             | 352        | NSYZZ2124     | NSYZZ5124     |

#### Cable supporting cross-rail



- **Description:** the lateral sides of the plinths are provided with bosses for attaching cross-rails with cut-out profiles, for supporting cables.
- **Supply:** the reference of the cross-rail includes all the elements required for assembly.

| For plinth |           |           |           | Cross-rail |
|------------|-----------|-----------|-----------|------------|
| NSYZZ253   | NSYZZ254  | NSYZZ553  | NSYZZ554  | NSYAC360   |
| NSYZZ273   | NSYZZ274  | NSYZZ573  | NSYZZ574  | NSYAC600   |
| NSYZZ2103  | NSYZZ2104 | NSYZZ5103 | NSYZZ5104 | NSYAC840   |
| NSYZZ2123  | NSYZZ2124 | NSYZZ5123 | NSYZZ5124 | NSYAC1120  |

#### Outside opening kit

**Description:** the 200-mm front part of the 200- and 500-mm plinths can be opened from the outside, after installing a kit made up of two locks with double-bar insert.

#### Reference

NSYAE LZ

#### Feet for partially buried installation



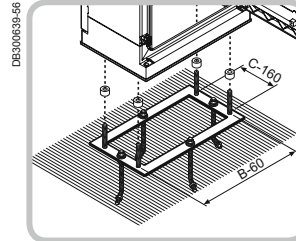
- **Description:** allows the partially buried installation of plinths before completion of the floor. The plinths are attached by four feet with a standard length of 750 mm. Possibility of horizontal adjustment of the plinth.
- **Supply:** the reference includes a kit made up of four feet and fixings.

#### Reference

NSYAE BFZ

(1) The coupling kit NSYMUPLA\*\*\* is not valid for enclosures using ZZ or ZH type plinths.  
 (2) RAL 7035 from 2016.

### Base accessories



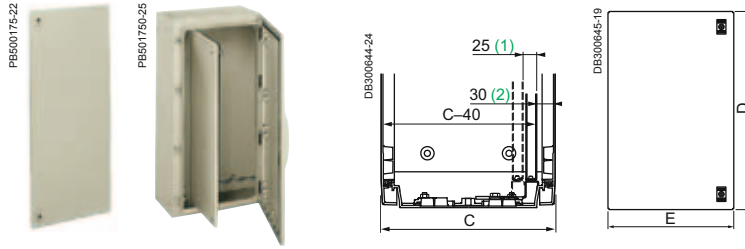
| Buriable H plinths (3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Floor-standing frame                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>■ Front panel with a height of 170 mm, retractable, providing easy access to the inside.</li> <li>■ Fixed front panel with a height of 305 mm, corresponding to the finished floor height area.</li> <li>■ The height above the floor after building-in varies between 200 and 500 mm.</li> <li>■ A metal rail helps to fix the entry cables.</li> <li>■ Lateral uprights with pre-knock-out auxiliary output with Ø Pg 36 (48 mm).</li> <li>■ A pre-knock-out area is provided at the bottom of the lateral uprights for cable entry, if necessary.</li> </ul> | <p>Frame for direct fixing on the floor for installing open-bottom enclosures (version PLAZ or PLAZT).</p>                                                                                                                                                                                                                                                           |
| Polyester reinforced with fibreglass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Passivated zinc-coated steel                                                                                                                                                                                                                                                                                                                                         |
| RAL 7032 grey (2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                                                                                                                                                                                                                                                                                                                                                                    |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                                                                                                                                                                                                                                                                                                                                                                    |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                                                                                                                                                                                                                                                                                                                                                                    |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                                                                                                                                                                                                                                                                                                                                                                    |
| Delivered with the fixings required for installation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Delivered with fixings required for installation                                                                                                                                                                                                                                                                                                                     |
| <b>Height 900 mm</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                      |
| <b>References</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>References</b>                                                                                                                                                                                                                                                                                                                                                    |
| <b>NSYZHPLA53</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>NSYMFPLAZ53</b>                                                                                                                                                                                                                                                                                                                                                   |
| <b>NSYZHPLA73</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>NSYMFPLAZ73</b>                                                                                                                                                                                                                                                                                                                                                   |
| <b>NSYZHPLA103</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>NSYMFPLAZ103</b>                                                                                                                                                                                                                                                                                                                                                  |
| <b>NSYZHPLA123</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>NSYMFPLAZ123</b>                                                                                                                                                                                                                                                                                                                                                  |
| <b>NSYZHPLA54</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>NSYMFPLAZ54</b>                                                                                                                                                                                                                                                                                                                                                   |
| <b>NSYZHPLA74</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>NSYMFPLAZ74</b>                                                                                                                                                                                                                                                                                                                                                   |
| <b>NSYZHPLA104</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>NSYMFPLAZ104</b>                                                                                                                                                                                                                                                                                                                                                  |
| <b>NSYZHPLA124</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>NSYMFPLAZ124</b>                                                                                                                                                                                                                                                                                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <div style="background-color: #333; color: white; padding: 5px;"><b>Floor-fixing studs</b></div> <ul style="list-style-type: none"> <li>■ <b>Description:</b> set of four threaded parts and fixings, for fixing the enclosures on concrete plinths.</li> </ul> <div style="background-color: #e0e0e0; padding: 2px;"><b>Reference</b></div> <p><b>NSYFSPLAZ</b></p> |

(3) Not valid for coupling 2 enclosures using ZZ or ZH type plinth.

# Polyester floor-standing enclosures

## Specific accessories

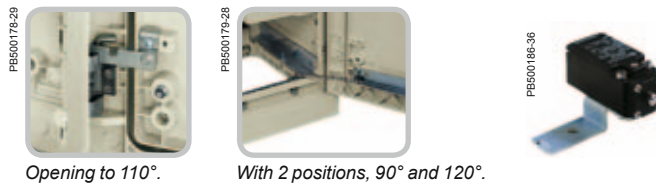
### Door



| Characteristics    |                                             | Internal door                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                  |                 |                                         |
|--------------------|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------|-----------------------------------------|
|                    |                                             | <ul style="list-style-type: none"> <li>■ Designed for direct installation in enclosures with sealed bottom part. In the enclosures with the bottom part open, installation can be performed by ordering the necessary adapter plates, ref. <b>NSYPTZ●●●</b>.</li> <li>■ 2 depthwise mounting positions (1) according to the chosen M8 impressions, on the top and bottom parts of the enclosure, for fixing.</li> <li>■ Lock with 5-mm double-bar inserts.</li> <li>■ Incompatibility with: modular distribution chassis, 19" chassis, cable-entry plate and door retainer, ref. <b>NSYRETPLAU</b>.</li> </ul> |                  |                 |                                         |
| Material           | Aluminium                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |                 |                                         |
| Colour             | RAL 7032 grey*                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |                 |                                         |
| Supply             | Delivered with M8 brass inserts and fixings |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |                 |                                         |
| For enclosure (mm) | Internal door dimensions                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Weight (kg)      | References      |                                         |
| Height             | Width                                       | D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | E                |                 |                                         |
| 500                | 500                                         | 398                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 398              | 1.6             | <b>NSYPAPLA55</b>                       |
|                    | 750                                         | 398                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 648              | 2.2             | <b>NSYPAPLA57</b>                       |
|                    | 1000                                        | 398                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 796 (2 x 398)    | 3.2 (2 x 1.6)   | 2 x <b>NSYPAPLA55</b>                   |
|                    | 1250                                        | 398                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1046 (398 + 648) | 3.8 (1.6 + 2.2) | <b>NSYPAPLA55</b> + <b>NSYPAPLA57</b>   |
| 750                | 500                                         | 648                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 398              | 2.2             | <b>NSYPAPLA75</b>                       |
|                    | 750                                         | 648                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 648              | 3.1             | <b>NSYPAPLA77</b>                       |
|                    | 1000                                        | 648                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 796 (2 x 398)    | 4.4 (2 x 2.2)   | 2 x <b>NSYPAPLA75</b>                   |
|                    | 1250                                        | 648                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1046 (398 + 648) | 5.3 (2.2 + 3.1) | <b>NSYPAPLA75</b> + <b>NSYPAPLA77</b>   |
| 1000               | 500                                         | 898                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 398              | 2.8             | <b>NSYPAPLA105</b>                      |
|                    | 750                                         | 898                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 648              | 4.1             | <b>NSYPAPLA107</b>                      |
|                    | 1000                                        | 898                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 796 (2 x 398)    | 5.4 (2 x 2.8)   | 2 x <b>NSYPAPLA105</b>                  |
|                    | 1250                                        | 898                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1046 (398 + 648) | 6.9 (2.8 + 4.1) | <b>NSYPAPLA105</b> + <b>NSYPAPLA107</b> |
| 1250               | 500                                         | 1148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 398              | 3.4             | <b>NSYPAPLA125</b>                      |
|                    | 750                                         | 1148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 648              | 5               | <b>NSYPAPLA127</b>                      |
|                    | 1000                                        | 1148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 796 (2 x 398)    | 6.8 (2 x 3.4)   | 2 x <b>NSYPAPLA125</b>                  |
|                    | 1250                                        | 1148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1046 (398 + 648) | 8.4 (3.4 + 5)   | <b>NSYPAPLA125</b> + <b>NSYPAPLA127</b> |
| 1500               | 500                                         | 1398                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 398              | 4               | <b>NSYPAPLA155</b>                      |
|                    | 750                                         | 1398                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 648              | 6               | <b>NSYPAPLA157</b>                      |
|                    | 1000                                        | 1398                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 796 (2 x 398)    | 8 (2 x 4)       | 2 x <b>NSYPAPLA155</b>                  |
|                    | 1250                                        | 1398                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1046 (398 + 648) | 10 (4 + 6)      | <b>NSYPAPLA155</b> + <b>NSYPAPLA157</b> |

(1) Two positions for depthwise installation.  
 (2) The 2<sup>nd</sup> position moves the position of the internal door back by 25 mm.  
 \* RAL 7035 from 2016.

### Door accessories



Opening to 110°.

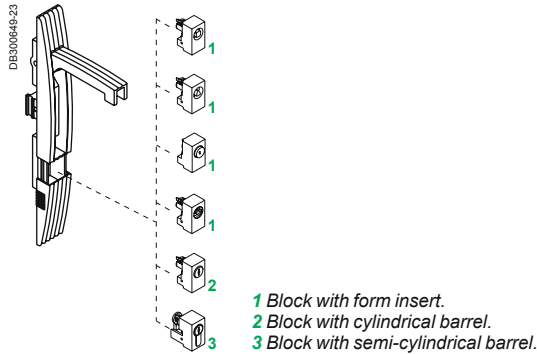
With 2 positions, 90° and 120°.

| Characteristics | Door retainer                                                                                                                                                                                                          | Door switch                                                                                                                                  |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <ul style="list-style-type: none"> <li>■ Designed to adapt directly to the enclosure.</li> <li>■ Can be installed on a door opening to the left or right indistinctly.</li> </ul>                                      | <ul style="list-style-type: none"> <li>NC + NO switch.</li> <li>Incompatible with the rear door and modular distribution chassis.</li> </ul> |
| Material        | Galvanised steel                                                                                                                                                                                                       |                                                                                                                                              |
| Supply          | Delivered with the fixings required for installation                                                                                                                                                                   |                                                                                                                                              |
|                 | <b>PLA, PLAZ, PLAT versions</b><br><b>NSYRETPLA</b>                                                                                                                                                                    | <b>For all versions*</b><br><b>NSYRETPLAU</b>                                                                                                |
|                 | * Note: ref. <b>NSYRETPLAU</b> is incompatible with internal doors, modular distribution chassis, step slides, adapter plates and cable-entry plates.<br>In the event of incompatibility, use ref. <b>NSYRETPLAZ</b> . |                                                                                                                                              |
|                 |                                                                                                                                                                                                                        | <b>Reference</b><br><b>NSYSNLPLA</b>                                                                                                         |

# Polyester floor-standing enclosures

## Specific accessories



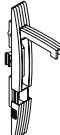

### Locking system



- 1 Block with form insert.
- 2 Block with cylindrical barrel.
- 3 Block with semi-cylindrical barrel.

| Characteristics              | Lock with handle                                                                                                                                                                                    |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              | Ergonomic locking system with pivoting handle installed as standard on enclosures with ventilated canopy and/or open bottom part, with a 5 mm double-bar insert block.<br>■ Fire resistance: 650°C. |
| Material                     | PA6 charged with 30 % fibreglass                                                                                                                                                                    |
| Colour                       | RAL 7032 grey*                                                                                                                                                                                      |
| Mechanical protection rating | IK10                                                                                                                                                                                                |

### Options

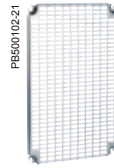
| Options for changing the form-insert blocks<br>(supplied with the required operating key)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | References         | Options for changing the handle lock                                                                                                                                                                                                                                                                                    | References           |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
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| Block, 6 mm square insert                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>NSYINS61</b>    |  <p>Changing the handle for a handle including a padlocking device (Ø 10 mm) allowing the handle to be locked. The handle is delivered without barrel or insert block.</p>                                                           | <b>NSYBCMPLA</b>     |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| Block, 7 mm square insert                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>NSYINS71</b>    |                                                                                                                                                                                                                                                                                                                         |                      |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| Block, 8 mm square insert                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>NSYINS81</b>    |                                                                                                                                                                                                                                                                                                                         |                      |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| Block, 6.5 mm triangular insert                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>NSYINT61</b>    |                                                                                                                                                                                                                                                                                                                         |                      |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| Block, 8 mm triangular insert                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>NSYINT81</b>    |                                                                                                                                                                                                                                                                                                                         |                      |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| Push-button                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>NSYTSPLA</b>    |                                                                                                                                                                                                                                                                                                                         |                      |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| Double bar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>NSYINDB51</b>   |  <p>Options for changing the handle lock for a lock with an escutcheon and without handle, delivered without insert. The insert is to be chosen from the option table on the "Locks with escutcheon and without handle" column.</p> | <b>NSYEBPLA</b>      |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="background-color: #444; color: white;">Options for changing the blocks with cylindrical barrels</th> </tr> <tr> <th style="background-color: #444; color: white;">Type of key</th> <th style="background-color: #444; color: white;">References</th> <th style="background-color: #444; color: white;">Type of key</th> <th style="background-color: #444; color: white;">References</th> </tr> </thead> <tbody> <tr> <td>405 E key</td> <td><b>NSYIN405E1</b></td> <td>3113 A key</td> <td><b>NSYIN3113A1</b></td> </tr> <tr> <td>421 E key</td> <td><b>NSYIN421E1</b></td> <td>3122 E key</td> <td><b>NSYIN3122E1</b></td> </tr> <tr> <td>455 key</td> <td><b>NSYIN4551</b></td> <td>3123 A key</td> <td><b>NSYIN3123A1</b></td> </tr> <tr> <td>1242 E key</td> <td><b>NSYIN1242E1</b></td> <td>3131A1 key</td> <td><b>NSYIN3131A1**</b></td> </tr> <tr> <td>1332 E key</td> <td><b>NSYIN1332E1</b></td> <td>3133 A key</td> <td><b>NSYIN3133A1</b></td> </tr> <tr> <td>2131 A key</td> <td><b>NSYIN2131A1</b></td> <td>3422 E key</td> <td><b>NSYIN3422E1</b></td> </tr> <tr> <td>2132 A key</td> <td><b>NSYIN2132A1</b></td> <td>3432 E key</td> <td><b>NSYIN3432E1</b></td> </tr> <tr> <td>2331 A key</td> <td><b>NSYIN2331A1</b></td> <td>6101 key</td> <td><b>NSYIN6101**</b></td> </tr> <tr> <td>2433 A key</td> <td><b>NSYIN2433A1</b></td> <td>EDF 1300 key</td> <td><b>NSYINF1301</b></td> </tr> <tr> <td>2452 E key</td> <td><b>NSYIN2452E1</b></td> <td>EDF 1400 key</td> <td><b>NSYINF1401</b></td> </tr> </tbody> </table> |                    |                                                                                                                                                                                                                                                                                                                         |                      | Options for changing the blocks with cylindrical barrels |                    |             |                  | Type of key | References        | Type of key    | References      | 405 E key | <b>NSYIN405E1</b> | 3113 A key                                                                                                                                                                                                  | <b>NSYIN3113A1</b> | 421 E key | <b>NSYIN421E1</b> | 3122 E key | <b>NSYIN3122E1</b> | 455 key | <b>NSYIN4551</b> | 3123 A key | <b>NSYIN3123A1</b> | 1242 E key | <b>NSYIN1242E1</b> | 3131A1 key | <b>NSYIN3131A1**</b> | 1332 E key | <b>NSYIN1332E1</b> | 3133 A key | <b>NSYIN3133A1</b> | 2131 A key | <b>NSYIN2131A1</b> | 3422 E key | <b>NSYIN3422E1</b> | 2132 A key | <b>NSYIN2132A1</b> | 3432 E key | <b>NSYIN3432E1</b> | 2331 A key | <b>NSYIN2331A1</b> | 6101 key | <b>NSYIN6101**</b> | 2433 A key | <b>NSYIN2433A1</b> | EDF 1300 key | <b>NSYINF1301</b> | 2452 E key | <b>NSYIN2452E1</b> |
| Options for changing the blocks with cylindrical barrels                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |                                                                                                                                                                                                                                                                                                                         |                      |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| Type of key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | References         | Type of key                                                                                                                                                                                                                                                                                                             | References           |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| 405 E key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>NSYIN405E1</b>  | 3113 A key                                                                                                                                                                                                                                                                                                              | <b>NSYIN3113A1</b>   |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| 421 E key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>NSYIN421E1</b>  | 3122 E key                                                                                                                                                                                                                                                                                                              | <b>NSYIN3122E1</b>   |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| 455 key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>NSYIN4551</b>   | 3123 A key                                                                                                                                                                                                                                                                                                              | <b>NSYIN3123A1</b>   |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| 1242 E key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>NSYIN1242E1</b> | 3131A1 key                                                                                                                                                                                                                                                                                                              | <b>NSYIN3131A1**</b> |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| 1332 E key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>NSYIN1332E1</b> | 3133 A key                                                                                                                                                                                                                                                                                                              | <b>NSYIN3133A1</b>   |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| 2131 A key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>NSYIN2131A1</b> | 3422 E key                                                                                                                                                                                                                                                                                                              | <b>NSYIN3422E1</b>   |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| 2132 A key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>NSYIN2132A1</b> | 3432 E key                                                                                                                                                                                                                                                                                                              | <b>NSYIN3432E1</b>   |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| 2331 A key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>NSYIN2331A1</b> | 6101 key                                                                                                                                                                                                                                                                                                                | <b>NSYIN6101**</b>   |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| 2433 A key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>NSYIN2433A1</b> | EDF 1300 key                                                                                                                                                                                                                                                                                                            | <b>NSYINF1301</b>    |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| 2452 E key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>NSYIN2452E1</b> | EDF 1400 key                                                                                                                                                                                                                                                                                                            | <b>NSYINF1401</b>    |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
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| Options for changing the blocks with semi-cylindrical barrels                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | References         |                                                                                                                                                                                                                                                                                                                         |                      |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| 1242 E key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>NSYIN1242E2</b> |                                                                                                                                                                                                                                                                                                                         |                      |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| DIN adapter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>NSYINDIN2</b>   |                                                                                                                                                                                                                                                                                                                         |                      |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| JIS key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>NSYINKJIS2</b>  |                                                                                                                                                                                                                                                                                                                         |                      |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| Reinforced key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>NSYINKR2</b>    |                                                                                                                                                                                                                                                                                                                         |                      |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| FAC key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>NSYINKFAC2</b>  |                                                                                                                                                                                                                                                                                                                         |                      |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
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| Options for changing the blocks with semi-cylindrical barrels                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | References         |                                                                                                                                                                                                                                                                                                                         |                      |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| 1242 E key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>NSYIN1242E2</b> |                                                                                                                                                                                                                                                                                                                         |                      |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| DIN adapter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>NSYINDIN2</b>   |                                                                                                                                                                                                                                                                                                                         |                      |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| JIS key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>NSYINKJIS2</b>  |                                                                                                                                                                                                                                                                                                                         |                      |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| Reinforced key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>NSYINKR2</b>    |                                                                                                                                                                                                                                                                                                                         |                      |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| FAC key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>NSYINKFAC2</b>  |                                                                                                                                                                                                                                                                                                                         |                      |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
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| Options for changing the blocks with semi-cylindrical barrels                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | References         |                                                                                                                                                                                                                                                                                                                         |                      |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| 1242 E key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>NSYIN1242E2</b> |                                                                                                                                                                                                                                                                                                                         |                      |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| DIN adapter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>NSYINDIN2</b>   |                                                                                                                                                                                                                                                                                                                         |                      |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| JIS key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>NSYINKJIS2</b>  |                                                                                                                                                                                                                                                                                                                         |                      |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| Reinforced key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>NSYINKR2</b>    |                                                                                                                                                                                                                                                                                                                         |                      |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| FAC key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>NSYINKFAC2</b>  |                                                                                                                                                                                                                                                                                                                         |                      |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
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| Options for changing the blocks with semi-cylindrical barrels                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | References         |                                                                                                                                                                                                                                                                                                                         |                      |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| 1242 E key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>NSYIN1242E2</b> |                                                                                                                                                                                                                                                                                                                         |                      |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| DIN adapter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>NSYINDIN2</b>   |                                                                                                                                                                                                                                                                                                                         |                      |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| JIS key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>NSYINKJIS2</b>  |                                                                                                                                                                                                                                                                                                                         |                      |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| Reinforced key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>NSYINKR2</b>    |                                                                                                                                                                                                                                                                                                                         |                      |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
| FAC key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>NSYINKFAC2</b>  |                                                                                                                                                                                                                                                                                                                         |                      |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    | <b>Reference</b><br><b>NSYBCPLA</b>                                                                                                                                                                                                                                                                                     |                      |                                                          |                    |             |                  |             |                   |                |                 |           |                   |                                                                                                                                                                                                             |                    |           |                   |            |                    |         |                  |            |                    |            |                    |            |                      |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |            |                    |          |                    |            |                    |              |                   |            |                    |

\* RAL 7035 from 2016.

# Polyester floor-standing enclosures

## Specific accessories

### Installation accessories



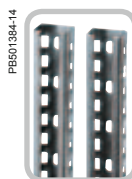
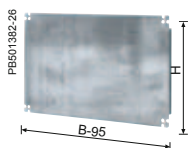
| Characteristics    |           | Metallic mounting plate                                                                                                                                                                                                                                                                                                                                                                                                                |                            |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |                            | Insulating mounting plate                                                                                                                                                                                                                                                                                                                                                                                                              |                            |                                                                                           |  |  |  |
|--------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------------------------------------------------------------------------------------|--|--|--|
|                    |           | Plain mounting plate                                                                                                                                                                                                                                                                                                                                                                                                                   |                            |                            | Telequick mounting plate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |                            | Bakelite                                                                                                                                                                                                                                                                                                                                                                                                                               |                            | Polyester                                                                                 |  |  |  |
|                    |           | ■ Direct installation on M8 inserts at the rear of the enclosure or on step slides for depth adjustment (see page 202). The enclosures with height of $\geq 1000$ mm have intermediate impressions for installing mounting plates of a lesser height (M8 inserts, ref. <b>NSYTEX8</b> , to be ordered separately).<br>■ In the 2-door enclosures, it is possible to install 1 complete mounting plate or 2 individual mounting plates. |                            |                            | ■ Grille with 11 x 26 mm drill holes, with a step of 15 x 30 mm, for direct installation, with clip nuts, of all the devices with fixing at 2, 3 or 4 points, by screws with diameters of 3, 4, 5 or 6 mm.<br>■ Direct installation on M8 inserts at the rear of the enclosure or on step slides for depth adjustment (see page 202). The enclosures with height of $\geq 1000$ mm have intermediate impressions for installing mounting plates of a lesser height (M8 inserts, ref. <b>NSYTEX8</b> , to be ordered separately). |           |                            | ■ Direct installation on M8 inserts at the rear of the enclosure or on step slides for depth adjustment (see page 202). The enclosures with height of $\geq 1000$ mm have intermediate impressions for installing mounting plates of a lesser height (M8 inserts, ref. <b>NSYTEX8</b> , to be ordered separately).<br>■ In the 2-door enclosures, it is possible to install 1 complete mounting plate or 2 individual mounting plates. |                            |                                                                                           |  |  |  |
| Material           |           | Galvanised sheet-steel                                                                                                                                                                                                                                                                                                                                                                                                                 |                            |                            | Galvanised sheet-steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           |                            | Bakelite                                                                                                                                                                                                                                                                                                                                                                                                                               |                            | Polyester                                                                                 |  |  |  |
| Finish             |           | -                                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |                            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |                            | -                                                                                                                                                                                                                                                                                                                                                                                                                                      |                            | -                                                                                         |  |  |  |
| Colour             |           | -                                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |                            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |                            | -                                                                                                                                                                                                                                                                                                                                                                                                                                      |                            | -                                                                                         |  |  |  |
| Thickness          |           | 25/10 <sup>e</sup> mm                                                                                                                                                                                                                                                                                                                                                                                                                  |                            |                            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |                            | 40/10 <sup>e</sup> mm                                                                                                                                                                                                                                                                                                                                                                                                                  |                            | ■ 40/10 <sup>e</sup> mm up to 700 mm height<br>■ 50/10 <sup>e</sup> mm from 800 mm height |  |  |  |
| Maximum load       |           | 150 kg/m <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                  |                            |                            | 150 kg/m <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |                            | 100 kg/m <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                  |                            |                                                                                           |  |  |  |
| Supply             |           | -                                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |                            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |                            | 1 mounting plate                                                                                                                                                                                                                                                                                                                                                                                                                       |                            |                                                                                           |  |  |  |
| For enclosure (mm) |           | Dimensions                                                                                                                                                                                                                                                                                                                                                                                                                             |                            |                            | Dimensions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                            | References                                                                                                                                                                                                                                                                                                                                                                                                                             |                            | References                                                                                |  |  |  |
| Height (A)         | Width (B) | H (mm)                                                                                                                                                                                                                                                                                                                                                                                                                                 | Surface (dm <sup>2</sup> ) | References                 | E (mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | D (mm)    | Surface (dm <sup>2</sup> ) | References                                                                                                                                                                                                                                                                                                                                                                                                                             |                            |                                                                                           |  |  |  |
| 500                | 500       | -                                                                                                                                                                                                                                                                                                                                                                                                                                      | 14                         | <b>NSYPMM55</b>            | 350                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 350       | 13                         | <b>NSYPMR55</b>                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>NSYPMB55</b>            | <b>NSYPMA55</b>                                                                           |  |  |  |
|                    | 750       | -                                                                                                                                                                                                                                                                                                                                                                                                                                      | 24                         | <b>NSYPMM75</b>            | 350                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 600       | 23                         | <b>NSYPMR57</b>                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>NSYPMB75</b>            | <b>NSYPMA75</b>                                                                           |  |  |  |
|                    | 1000      | 437.5                                                                                                                                                                                                                                                                                                                                                                                                                                  | 32                         | <b>NSYPMM510</b>           | 350                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2 x 350   | 26                         | 2 x <b>NSYPMR55</b>                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>NSYPMB510</b>           | <b>NSYPMA510</b>                                                                          |  |  |  |
|                    | 1250      | -                                                                                                                                                                                                                                                                                                                                                                                                                                      | 38                         | <b>NSYPMM55 + NSYPMM75</b> | 350                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 350 + 600 | 36                         | <b>NSYPMR55 + NSYPMR57</b>                                                                                                                                                                                                                                                                                                                                                                                                             | <b>NSYPMB55 + NSYPMB75</b> | <b>NSYPMA55 + NSYPMA75</b>                                                                |  |  |  |
| 750                | 500       | -                                                                                                                                                                                                                                                                                                                                                                                                                                      | 24                         | <b>NSYPMM75</b>            | 600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 350       | 23                         | <b>NSYPMR75</b>                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>NSYPMB75</b>            | <b>NSYPMA75</b>                                                                           |  |  |  |
|                    | 750       | -                                                                                                                                                                                                                                                                                                                                                                                                                                      | 40                         | <b>NSYPMM77</b>            | 600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 600       | 38                         | <b>NSYPMR77</b>                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>NSYPMB77</b>            | <b>NSYPMA77</b>                                                                           |  |  |  |
|                    | 1000      | 437.5                                                                                                                                                                                                                                                                                                                                                                                                                                  | 54                         | <b>NSYPMM710</b>           | 600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2 x 350   | 46                         | 2 x <b>NSYPMR75</b>                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>NSYPMB710</b>           | <b>NSYPMA710</b>                                                                          |  |  |  |
|                    | 1250      | 687.5                                                                                                                                                                                                                                                                                                                                                                                                                                  | 70                         | <b>NSYPMM712</b>           | 600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 350 + 600 | 61                         | <b>NSYPMR75 + NSYPMR77</b>                                                                                                                                                                                                                                                                                                                                                                                                             | <b>NSYPMB712</b>           | <b>NSYPMA712</b>                                                                          |  |  |  |
| 1000               | 500       | -                                                                                                                                                                                                                                                                                                                                                                                                                                      | 33                         | <b>NSYPMM105</b>           | 850                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 350       | 32                         | <b>NSYPMR105</b>                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>NSYPMB105</b>           | <b>NSYPMA105</b>                                                                          |  |  |  |
|                    | 750       | -                                                                                                                                                                                                                                                                                                                                                                                                                                      | 55                         | <b>NSYPMM107</b>           | 850                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 600       | 54                         | <b>NSYPMR107</b>                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>NSYPMB107</b>           | <b>NSYPMA107</b>                                                                          |  |  |  |
|                    | 1000      | 437.5                                                                                                                                                                                                                                                                                                                                                                                                                                  | 74                         | <b>NSYPMM1010</b>          | 850                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2 x 350   | 64                         | 2 x <b>NSYPMR105</b>                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>NSYPMB1010</b>          | <b>NSYPMA1010</b>                                                                         |  |  |  |
|                    | 1250      | 687.5                                                                                                                                                                                                                                                                                                                                                                                                                                  | 96                         | <b>NSYPMM1012</b>          | 850                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 350 + 600 | 86                         | <b>NSYPMR105 + NSYPMR107</b>                                                                                                                                                                                                                                                                                                                                                                                                           | <b>NSYPMB1012</b>          | <b>NSYPMA1012</b>                                                                         |  |  |  |
| 1250               | 500       | -                                                                                                                                                                                                                                                                                                                                                                                                                                      | 42                         | <b>NSYPMM125</b>           | 1100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 350       | 42                         | <b>NSYPMR125</b>                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>NSYPMB125</b>           | <b>NSYPMA125</b>                                                                          |  |  |  |
|                    | 750       | -                                                                                                                                                                                                                                                                                                                                                                                                                                      | 70                         | <b>NSYPMM127</b>           | 1100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 600       | 70                         | <b>NSYPMR127</b>                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>NSYPMB127</b>           | <b>NSYPMA127</b>                                                                          |  |  |  |
|                    | 1000      | 437.5                                                                                                                                                                                                                                                                                                                                                                                                                                  | 96                         | <b>NSYPMM1210</b>          | 1100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2 x 350   | 84                         | 2 x <b>NSYPMR125</b>                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>NSYPMB1210</b>          | <b>NSYPMA1210</b>                                                                         |  |  |  |
|                    | 1250      | 687.5                                                                                                                                                                                                                                                                                                                                                                                                                                  | 124                        | <b>NSYPMM1212</b>          | 1100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 350 + 600 | 112                        | <b>NSYPMR125 + NSYPMR127</b>                                                                                                                                                                                                                                                                                                                                                                                                           | <b>NSYPMB1212</b>          | <b>NSYPMA1212</b>                                                                         |  |  |  |
| 1500               | 500       | -                                                                                                                                                                                                                                                                                                                                                                                                                                      | 51                         | <b>NSYPMM155</b>           | 1350                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 350       | 51                         | <b>NSYPMR155</b>                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>NSYPMB155</b>           | -                                                                                         |  |  |  |
|                    | 750       | -                                                                                                                                                                                                                                                                                                                                                                                                                                      | 85                         | <b>NSYPMM157</b>           | 1350                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 600       | 85                         | <b>NSYPMR157</b>                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>NSYPMB157</b>           | -                                                                                         |  |  |  |
|                    | 1000      | 437.5                                                                                                                                                                                                                                                                                                                                                                                                                                  | 118                        | <b>NSYPMM1510</b>          | 1350                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2 x 350   | 102                        | 2 x <b>NSYPMR155</b>                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>NSYPMB1510</b>          | -                                                                                         |  |  |  |
|                    | 1250      | 687.5                                                                                                                                                                                                                                                                                                                                                                                                                                  | 152                        | <b>NSYPMM1512</b>          | 1350                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 350 + 600 | 136                        | <b>NSYPMR155 + NSYPMR157</b>                                                                                                                                                                                                                                                                                                                                                                                                           | <b>NSYPMB1512</b>          | -                                                                                         |  |  |  |
|                    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                        |                            |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                        |                            |                                                                                           |  |  |  |

(1) Reinforcing fold for steel mounting plate **NSYPMM1010** to **NSYPMM1512**.  
 (2) A-125 for references **NSYPMM1010** to **NSYPMM1512**, A-120 for the polyester mounting plate, ref. **NSYPMA●●●**.

# Polyester floor-standing enclosures

## Specific accessories

### Installation accessories



| Side mounting plates                                                                                                                                               |            |            | Partial plain mounting plate                                                                                   |              | Technical uprights                                                                                                                                                                                                                                              |           | Anti-burglary accessory                                                                                                                                                 |               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|----------------------------------------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Polyester mounting plates fixed to the sides of the enclosure for additional installations. Installation on the M8 bosses by adding inserts, ref. <b>NSYTEX8</b> . |            |            | Direct fixing on the uprights, with the notched sliding nuts or pivoting nuts, see common accessories section. |              | <ul style="list-style-type: none"> <li>■ Supports for fixing rails, perforated grilles and plain partial mounting plates.</li> <li>■ Details in the common accessory section.</li> <li>■ Fixing at the rear on the M8 inserts or on the step slides.</li> </ul> |           | Anti-burglary accessory for polyester outdoor Heavy Duty in accordance with ENV 1627-1630:2011 class 2. It keeps the Insulation Class II according to IEC 61439-1:2011. |               |
| Polyester                                                                                                                                                          |            |            | Galvanised sheet-steel                                                                                         |              | Zinc-coated steel                                                                                                                                                                                                                                               |           | Steel with anti-corrosive coating                                                                                                                                       |               |
| -                                                                                                                                                                  |            |            | -                                                                                                              |              | -                                                                                                                                                                                                                                                               |           | Structured finish, 100 % polyester powder                                                                                                                               |               |
| -                                                                                                                                                                  |            |            | -                                                                                                              |              | -                                                                                                                                                                                                                                                               |           | RAL 7035 grey                                                                                                                                                           |               |
| <ul style="list-style-type: none"> <li>■ 40/10° mm up to 750 mm height</li> <li>■ 50/10° mm from 800 mm height</li> </ul>                                          |            |            | 25/10° mm                                                                                                      |              | 20/10° mm                                                                                                                                                                                                                                                       |           | -                                                                                                                                                                       |               |
| 100 kg/m <sup>2</sup>                                                                                                                                              |            |            | 150 kg/m <sup>2</sup>                                                                                          |              | -                                                                                                                                                                                                                                                               |           | -                                                                                                                                                                       |               |
| Reference by unit. Order by multiples of 2                                                                                                                         |            |            | 1 mounting plate                                                                                               |              | 2 technical uprights                                                                                                                                                                                                                                            |           | 1                                                                                                                                                                       |               |
| References                                                                                                                                                         |            |            | References                                                                                                     |              | Dimensions                                                                                                                                                                                                                                                      |           | References                                                                                                                                                              |               |
| Enclosure depth                                                                                                                                                    |            |            | 247 mm height                                                                                                  |              | (mm)                                                                                                                                                                                                                                                            |           | Depth 420 mm                                                                                                                                                            |               |
| 320 mm                                                                                                                                                             | 420 mm     | 620 mm     | 397 mm height                                                                                                  |              |                                                                                                                                                                                                                                                                 |           | Depth 620 mm                                                                                                                                                            |               |
| NSYPMLA53                                                                                                                                                          | NSYPMLA54  | -          | -                                                                                                              | -            |                                                                                                                                                                                                                                                                 |           | -                                                                                                                                                                       | -             |
| NSYPMLA53                                                                                                                                                          | NSYPMLA54  | -          | NSYSPMP2575                                                                                                    | -            |                                                                                                                                                                                                                                                                 |           | -                                                                                                                                                                       | -             |
| NSYPMLA53                                                                                                                                                          | NSYPMLA54  | -          | NSYSPMP25100                                                                                                   | NSYSPMP40100 |                                                                                                                                                                                                                                                                 |           | -                                                                                                                                                                       | -             |
| NSYPMLA53                                                                                                                                                          | NSYPMLA54  | -          | -                                                                                                              | -            |                                                                                                                                                                                                                                                                 |           | -                                                                                                                                                                       | -             |
| NSYPMLA73                                                                                                                                                          | NSYPMLA74  | NSYPMLA76  | -                                                                                                              | -            | 625                                                                                                                                                                                                                                                             | NSYTVR7   | -                                                                                                                                                                       | -             |
| NSYPMLA73                                                                                                                                                          | NSYPMLA74  | -          | NSYSPMP2575                                                                                                    | -            |                                                                                                                                                                                                                                                                 |           | NSYBGN774HD                                                                                                                                                             | NSYBGN776HD   |
| NSYPMLA73                                                                                                                                                          | NSYPMLA74  | -          | NSYSPMP25100                                                                                                   | NSYSPMP40100 |                                                                                                                                                                                                                                                                 |           | -                                                                                                                                                                       | -             |
| NSYPMLA73                                                                                                                                                          | NSYPMLA74  | -          | -                                                                                                              | -            |                                                                                                                                                                                                                                                                 |           | -                                                                                                                                                                       | -             |
| NSYPMLA103                                                                                                                                                         | NSYPMLA104 | -          | -                                                                                                              | -            | 875                                                                                                                                                                                                                                                             | NSYTVR10  | NSYBGN1054HD                                                                                                                                                            | -             |
| NSYPMLA103                                                                                                                                                         | NSYPMLA104 | -          | NSYSPMP2575                                                                                                    | -            |                                                                                                                                                                                                                                                                 |           | NSYBGN1074HD                                                                                                                                                            | -             |
| NSYPMLA103                                                                                                                                                         | NSYPMLA104 | -          | NSYSPMP25100                                                                                                   | NSYSPMP40100 |                                                                                                                                                                                                                                                                 |           | -                                                                                                                                                                       | -             |
| NSYPMLA103                                                                                                                                                         | NSYPMLA104 | -          | -                                                                                                              | -            |                                                                                                                                                                                                                                                                 |           | -                                                                                                                                                                       | -             |
| NSYPMLA123                                                                                                                                                         | NSYPMLA124 | NSYPMLA126 | -                                                                                                              | -            | 1125                                                                                                                                                                                                                                                            | NSYTVR125 | NSYBGN1254HD                                                                                                                                                            | -             |
| NSYPMLA123                                                                                                                                                         | NSYPMLA124 | -          | NSYSPMP2575                                                                                                    | -            |                                                                                                                                                                                                                                                                 |           | NSYBGN1274HD                                                                                                                                                            | NSYBGN1276HD  |
| NSYPMLA123                                                                                                                                                         | NSYPMLA124 | -          | NSYSPMP25100                                                                                                   | NSYSPMP40100 |                                                                                                                                                                                                                                                                 |           | -                                                                                                                                                                       | -             |
| NSYPMLA123                                                                                                                                                         | NSYPMLA124 | -          | -                                                                                                              | -            |                                                                                                                                                                                                                                                                 |           | NSYBGN12124HD                                                                                                                                                           | NSYBGN12126HD |
| NSYPMLA153                                                                                                                                                         | NSYPMLA154 | NSYPMLA156 | -                                                                                                              | -            | 1375                                                                                                                                                                                                                                                            | NSYTVR15  | -                                                                                                                                                                       | -             |
| NSYPMLA153                                                                                                                                                         | NSYPMLA154 | -          | NSYSPMP2575                                                                                                    | -            |                                                                                                                                                                                                                                                                 |           | NSYBGN1574HD                                                                                                                                                            | NSYBGN1576HD  |
| NSYPMLA153                                                                                                                                                         | NSYPMLA154 | -          | NSYSPMP25100                                                                                                   | NSYSPMP40100 |                                                                                                                                                                                                                                                                 |           | -                                                                                                                                                                       | -             |
| NSYPMLA153                                                                                                                                                         | NSYPMLA154 | -          | -                                                                                                              | -            |                                                                                                                                                                                                                                                                 |           | NSYBGN15124HD                                                                                                                                                           | NSYBGN15126HD |
|                                                                                                                                                                    |            |            |                                                                                                                |              | <p>Note: enclosures with widths of 1000 and 1250 allow the installation of 4 uprights to integrate 2 mounting plates of 500 mm or of 500 and 750 mm.</p>                                                                                                        |           |                                                                                                                                                                         |               |

Note: the diagrams above relate to the metal mounting plates. The mounting plates made from insulating material only have 4 or 8 main fixing points and the external dimensions of the diagrams.

# Polyester floor-standing enclosures

## Specific accessories

### Installation accessories



| Characteristics    |           | Modular distribution chassis*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |             |                 |                      |                      |                |                         |
|--------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------|----------------------|----------------------|----------------|-------------------------|
|                    |           | <ul style="list-style-type: none"> <li>■ Chassis for modular switchgear, installed directly in the sealed enclosures (PLA version). For installation in enclosures with open bottom part (PLAZ version) it is necessary to use a set of adapter plates (ref. <b>NSYPTZ●●●</b>).</li> <li>■ Chassis made up of cover plates on a rigid structure.</li> <li>■ Quick installation without fixings.</li> <li>■ Distance between rail and front panel with adjustable depth from 40 to 85 mm.</li> <li>■ System for identifying electrical circuits supplied.</li> <li>■ Neutral/earth strip: 2 x 16 mm<sup>2</sup> + 5 x 6 mm<sup>2</sup> included in the standard offer.</li> <li>■ Incompatibility with: cable-entry plate, internal door, door switch and door retainer (ref. <b>NSYREPLAU</b>).</li> </ul> |             |                 |                      |                      |                |                         |
| Material           |           | <ul style="list-style-type: none"> <li>■ Rigid structure: galvanised-steel</li> <li>■ Cover plates: self-extinguishing insulating</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |                 |                      |                      |                |                         |
| Colour             |           | Cover plates: RAL 7032 grey**                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |             |                 |                      |                      |                |                         |
| Thickness          |           | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |                 |                      |                      |                |                         |
| Installation       |           | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |                 |                      |                      |                |                         |
| Maximum load       |           | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |                 |                      |                      |                |                         |
| For enclosure (mm) |           | No. of doors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | No. of rows | Rows for module |                      | No. of plates        | References     |                         |
| Height (A)         | Width (B) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             | No.             | No. of 18-mm modules |                      |                |                         |
| 750                | 500       | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4           | 4               | 76                   | -                    | NSYDLP76       |                         |
|                    |           | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4           | 3               | 57                   | 1                    | NSYDLP57       |                         |
|                    | 750       | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4           | 4               | 132                  | -                    | NSYDLP132      |                         |
|                    |           | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4           | 3               | 99                   | 1                    | NSYDLP99       |                         |
|                    |           | 1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2           | 4 + 4           | 4 + 4                | 152                  | -              | 2 x NSYDLP76            |
|                    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2           | 4 + 4           | 3 + 3                | 114                  | 1 + 1          | 2 x NSYDLP57            |
| 1250               | 2         | 4 + 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4 + 4       | 208             | -                    | NSYDLP76 + NSYDLP132 |                |                         |
|                    | 2         | 4 + 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3 + 3       | 156             | 1 + 1                | NSYDLP57 + NSYDLP99  |                |                         |
| 1000               | 500       | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6           | 6               | 114                  | -                    | NSYDLP114      |                         |
|                    |           | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6           | 5               | 95                   | 1                    | NSYDLP95       |                         |
|                    | 750       | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6           | 6               | 198                  | -                    | NSYDLP198      |                         |
|                    |           | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6           | 5               | 165                  | 1                    | NSYDLP165      |                         |
|                    | 1000      | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6 + 6       | 6 + 6           | 228                  | -                    | 2 x NSYDLP114  |                         |
|                    |           | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6 + 6       | 5 + 5           | 190                  | 1 + 1                | 2 x NSYDLP95   |                         |
|                    |           | 1250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2           | 6 + 6           | 6 + 6                | 312                  | -              | NSYDLP114 + NSYDLP198   |
|                    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2           | 6 + 6           | 5 + 5                | 260                  | 1 + 1          | NSYDLP95 + NSYDLP165    |
|                    | 1250      | 500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1           | 7               | 7                    | 133                  | -              | NSYDLP133               |
|                    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1           | 7               | 6                    | 114                  | 1              | NSYDLP114P              |
|                    |           | 750                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1           | 7               | 7                    | 231                  | -              | NSYDLP231               |
|                    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1           | 7               | 6                    | 198                  | 1              | NSYDLP198P              |
| 1000               |           | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 7 + 7       | 7 + 7           | 266                  | -                    | 2 x NSYDLP133  |                         |
|                    |           | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 7 + 7       | 6 + 6           | 228                  | 1 + 1                | 2 x NSYDLP114P |                         |
|                    |           | 1250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2           | 7 + 7           | 7 + 7                | 364                  | -              | NSYDLP133 + NSYDLP231   |
|                    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2           | 7 + 7           | 6 + 6                | 312                  | 1 + 1          | NSYDLP114P + NSYDLP198P |
| 1500               |           | 500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1           | 9               | 9                    | 171                  | -              | NSYDLP171               |
|                    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1           | 9               | 8                    | 152                  | 1              | NSYDLP152               |
|                    | 750       | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 9           | 9               | 297                  | -                    | NSYDLP297      |                         |
|                    |           | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 9           | 8               | 264                  | 1                    | NSYDLP264      |                         |
|                    | 1000      | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 9 + 9       | 9 + 9           | 342                  | -                    | 2 x NSYDLP171  |                         |
|                    |           | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 9 + 9       | 8 + 8           | 304                  | -                    | 2 x NSYDLP152  |                         |
|                    |           | 1250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2           | 9 + 9           | 9 + 9                | 468                  | 1 + 1          | NSYDLP171 + NSYDLP297   |
|                    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2           | 9 + 9           | 8 + 8                | 416                  | 1 + 1          | NSYDLP152 + NSYDLP264   |

\* Other modular distribution accessories on page 204.

\*\* RAL 7035 from 2016.



# Polyester floor-standing enclosures

## Specific accessories

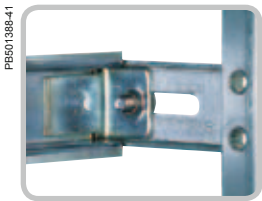
### Installation accessories

#### Dimensions

#### Modular distribution chassis



PE501387-95



PE501388-41

Details of the depth adjustment.



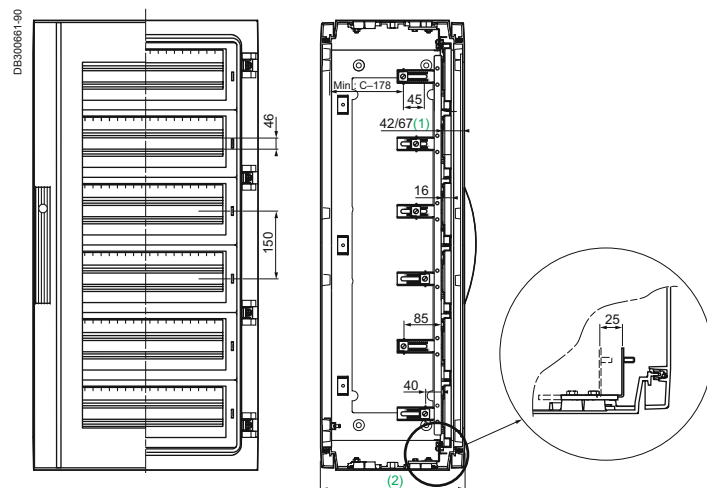
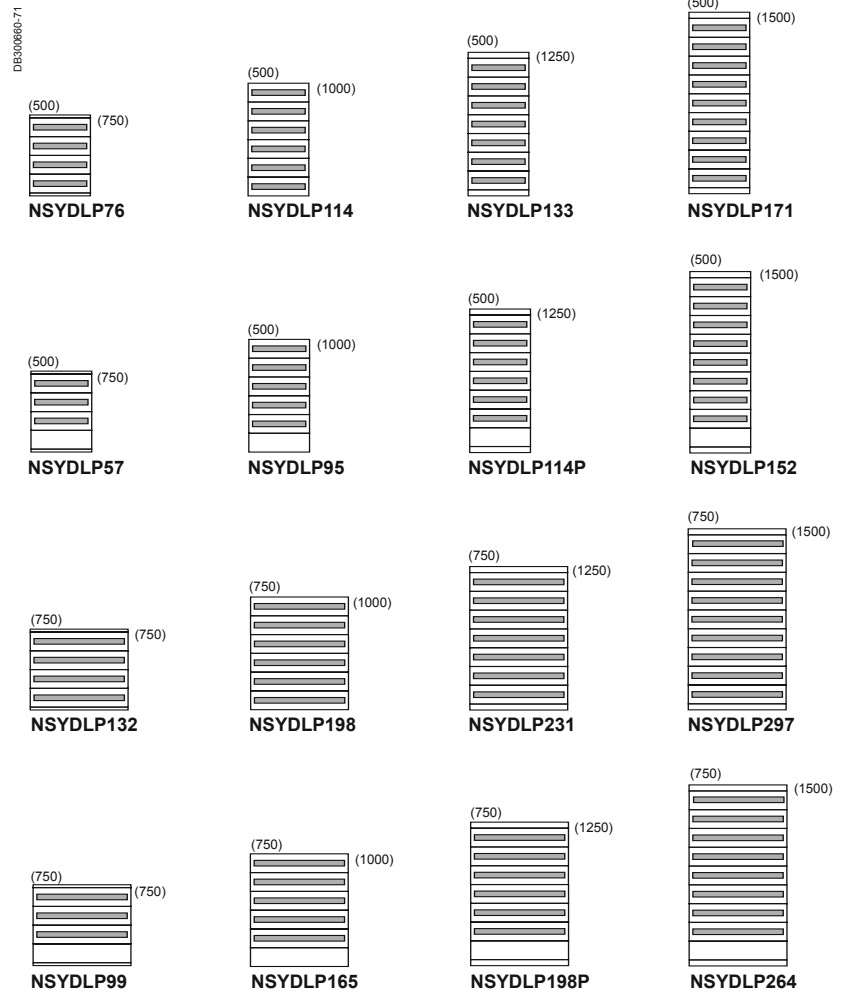
PE501389-37

Detail from front-panel mounting.



PE501390-32

Detail from the circuit-marking system.



(1) Dimensions of 42 or 67 mm or a pitch of 25 mm, according to the M8 boss chosen for the installation. See details in the enlarged image on the right. In the enclosures with glazed doors, the 2 dimensions are reduced by 5 mm.  
 (2) C = Depth of the enclosure.

# Polyester floor-standing enclosures

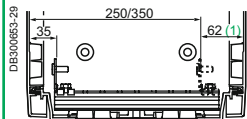
## Specific accessories

### Installation accessories

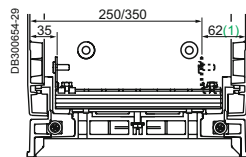
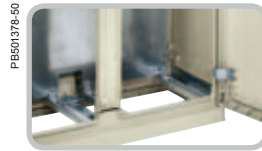


| Characteristics           |                     | Step slides                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Adapter plates                                                                                                                                                                                                                                                                                                                  |
|---------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                     | <ul style="list-style-type: none"> <li>Set of 4 step slides with brackets allowing continuous depth adjustment of the mounting plate, with a pitch of 25 mm.</li> <li>Designed for direct installation in the enclosures with sealed bottom part (versions PLA or PLAT).</li> <li>In the enclosures with open bottom part (versions PLAZ or PLAZT), installation is made possible by adding the relevant adapter plates.</li> <li>Incompatibility with: internal door, modular distribution chassis, 19" chassis, cableentry plate and door retainer, ref. <b>NSYRETPLAU</b>.</li> </ul> | <ul style="list-style-type: none"> <li>The enclosures with open bottom part (versions PLAZ and PLAZT) require a set of adapter plates for mounting:                             <ul style="list-style-type: none"> <li>an internal door,</li> <li>step slides,</li> <li>modular chassis and 19" chassis.</li> </ul> </li> </ul> |
| Material                  |                     | Bracket with steel M8 stud on aluminium rail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Galvanised steel                                                                                                                                                                                                                                                                                                                |
| Fixing                    |                     | Fixing on the top and bottom parts of the enclosure by means of M8 inserts and screws (supplied)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Fixing on the bottom part of the enclosure by means of M8 inserts and screws (supplied)                                                                                                                                                                                                                                         |
| <b>For enclosure (mm)</b> |                     | <b>References</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                 |
| <b>Depth</b>              | <b>No. of doors</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                 |
| 320                       | 1                   | <b>NSYDPLA3</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>NSYPTZ3</b>                                                                                                                                                                                                                                                                                                                  |
|                           | 2                   | <b>2 x NSYDPLA3</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>NSYPTZ32P</b>                                                                                                                                                                                                                                                                                                                |
| 420                       | 1                   | <b>NSYDPLA4</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>NSYPTZ4</b>                                                                                                                                                                                                                                                                                                                  |
|                           | 2                   | <b>2 x NSYDPLA4</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>NSYPTZ42P</b>                                                                                                                                                                                                                                                                                                                |
| 620                       | 1                   | <b>NSYDPLA6</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>NSYPTZ6</b>                                                                                                                                                                                                                                                                                                                  |
|                           | 2                   | <b>2 x NSYDPLA6</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>NSYPTZ62P</b>                                                                                                                                                                                                                                                                                                                |

Installation of step slide ref. NSYDPLA●●●



Installation of step slide ref. NSYDPLA●●●, with adapter plate ref. NSYPTZ●●●



#### Additional support

Set of 4 additional brackets, to be slid into the step slides, for the installation of an additional mounting plate.

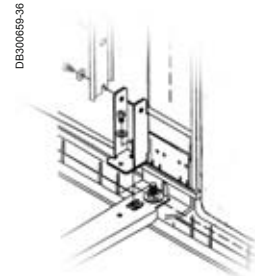
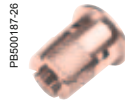
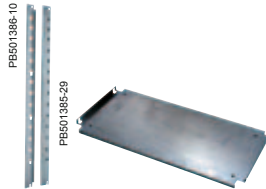
Reference  
**NSYEDPLA**

(1) 57 mm with one transparent door.

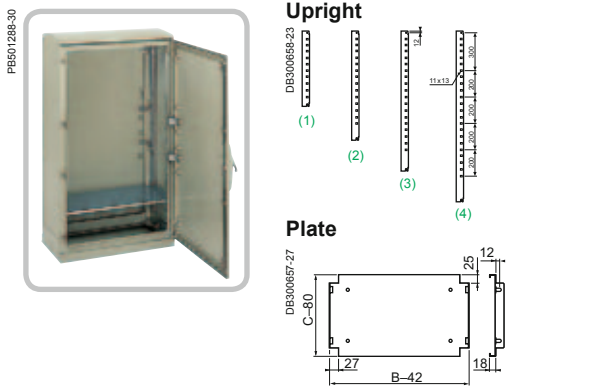
# Polyester floor-standing enclosures

## Specific accessories

### Installation accessories



| Characteristics           |                  | Support plate                                                                                                                                                                                                                                                                                                                            |                       | M8 inserts                                                                                                                                    | Intermediate support in the 2-door enclosures                                                                                            |
|---------------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                  | <ul style="list-style-type: none"> <li>Designed to support assorted equipment or simply to install a separation.</li> <li>In the 2-door enclosures, the installation of the plate or the uprights requires the prior installation of an intermediate support, ref. <b>NSYSBPLA</b>, presented beside.</li> </ul>                         |                       | To be placed in the bosses moulded on the doors, uprights, rear panels and bottom and top parts, for fixing accessories and assorted devices. | Required accessory for installing support plates, ref. <b>NSYBANPLA●●●</b> or uprights, ref. <b>NSYSPLA●●●</b> in the 2-door enclosures. |
| Material                  |                  | Galvanised-steel                                                                                                                                                                                                                                                                                                                         |                       | -                                                                                                                                             | -                                                                                                                                        |
| Installation              |                  | <ul style="list-style-type: none"> <li>It is installed directly on the bottom part of the enclosure</li> <li>For the installation of one or several support plates, use 2 sets of 2 uprights suitable for the height (to be ordered separately). These uprights offer the option of adjusting the height with a step of 50 mm</li> </ul> |                       | -                                                                                                                                             | -                                                                                                                                        |
| Supply                    |                  | Delivered with the fixings required for installation                                                                                                                                                                                                                                                                                     |                       | References by unit. Order by multiples of 8 units (8, 16, 24, etc.)                                                                           | -                                                                                                                                        |
| <b>For enclosure (mm)</b> |                  | <b>Upright</b>                                                                                                                                                                                                                                                                                                                           |                       |                                                                                                                                               |                                                                                                                                          |
| <b>Height</b>             | <b>Depth</b>     | <b>No. of adjustments</b>                                                                                                                                                                                                                                                                                                                | <b>References</b>     | <b>Reference</b>                                                                                                                              | <b>Reference</b>                                                                                                                         |
| 750                       | 320              | 2                                                                                                                                                                                                                                                                                                                                        | 2 x <b>NSYSPLA75</b>  | <b>NSYTEX8</b>                                                                                                                                | <b>NSYSBPLA</b>                                                                                                                          |
|                           | 420              |                                                                                                                                                                                                                                                                                                                                          |                       |                                                                                                                                               |                                                                                                                                          |
| 1000                      | 320              | 3                                                                                                                                                                                                                                                                                                                                        | 2 x <b>NSYSPLA100</b> |                                                                                                                                               |                                                                                                                                          |
|                           | 420              |                                                                                                                                                                                                                                                                                                                                          |                       |                                                                                                                                               |                                                                                                                                          |
| 1250                      | 320              | 4                                                                                                                                                                                                                                                                                                                                        | 2 x <b>NSYSPLA125</b> |                                                                                                                                               |                                                                                                                                          |
|                           | 420              |                                                                                                                                                                                                                                                                                                                                          |                       |                                                                                                                                               |                                                                                                                                          |
| 1500                      | -                | 5                                                                                                                                                                                                                                                                                                                                        | 2 x <b>NSYSPLA150</b> |                                                                                                                                               |                                                                                                                                          |
| <b>For enclosure (mm)</b> |                  | <b>Plate</b>                                                                                                                                                                                                                                                                                                                             |                       |                                                                                                                                               |                                                                                                                                          |
| <b>Depth (C)</b>          | <b>Width (B)</b> | <b>Max. load</b>                                                                                                                                                                                                                                                                                                                         | <b>References</b>     |                                                                                                                                               |                                                                                                                                          |
| 320                       | 500              | 60 kg                                                                                                                                                                                                                                                                                                                                    | <b>NSYBANPLA53</b>    |                                                                                                                                               |                                                                                                                                          |
|                           | 750              | 60 kg                                                                                                                                                                                                                                                                                                                                    | <b>NSYBANPLA73</b>    |                                                                                                                                               |                                                                                                                                          |
| 420                       | 500              | 50 kg                                                                                                                                                                                                                                                                                                                                    | <b>NSYBANPLA54</b>    |                                                                                                                                               |                                                                                                                                          |
|                           | 750              | 50 kg                                                                                                                                                                                                                                                                                                                                    | <b>NSYBANPLA74</b>    |                                                                                                                                               |                                                                                                                                          |
| 620                       | 500              | 50 kg                                                                                                                                                                                                                                                                                                                                    | <b>NSYBANPLA56</b>    |                                                                                                                                               |                                                                                                                                          |
|                           | 750              | 50 kg                                                                                                                                                                                                                                                                                                                                    | <b>NSYBANPLA76</b>    |                                                                                                                                               |                                                                                                                                          |

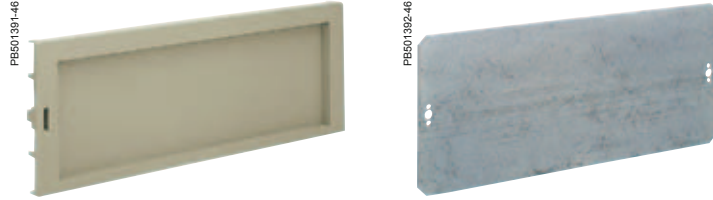


(1) NSYSPLA75 ; (2) NSYSPLA100 ; (3) NSYSPLA125 ; (4) NSYSPLA150.

# Polyester floor-standing enclosures

## Specific accessories

### Modular distribution accessories



| Characteristics    |                 |       | Plain cover plate                                        | Plain mounting plate                                                                                                                                                                                        |
|--------------------|-----------------|-------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                    |                 |       | Plain cover plate for non-modular switchgear protection. | <ul style="list-style-type: none"> <li>■ Plate for fixing non-modular devices.</li> <li>■ Depth-adjustable fixing on the supports from 40 to 85 mm.</li> <li>■ Nominal height: 150 mm or 300 mm.</li> </ul> |
| Material           |                 |       | Self-extinguishing insulating                            | Galvanised steel                                                                                                                                                                                            |
| Colour             |                 |       | RAL 7032 grey*                                           | -                                                                                                                                                                                                           |
| Thickness          |                 |       | -                                                        | 20/10° mm                                                                                                                                                                                                   |
| Supply             |                 |       | Order by multiples of 2 (2, 4, 6...)                     | Order by multiples of 2 (2, 4, 6...)                                                                                                                                                                        |
| For enclosure (mm) | Dimensions (mm) |       | References                                               |                                                                                                                                                                                                             |
| Width              | Height          | Width |                                                          |                                                                                                                                                                                                             |
| 500                | 146             | 402   | <b>NSYCTL500DLP</b>                                      | -                                                                                                                                                                                                           |
|                    | 149             | 361   | -                                                        | <b>NSYPMP500DLP</b>                                                                                                                                                                                         |
|                    | 298             | 361   | -                                                        | <b>NSYPMP5002DLP</b>                                                                                                                                                                                        |
| 750                | 146             | 652   | <b>NSYCTL750DLP</b>                                      | -                                                                                                                                                                                                           |
|                    | 149             | 611   | -                                                        | <b>NSYPMP750DLP</b>                                                                                                                                                                                         |
|                    | 298             | 611   | -                                                        | <b>NSYPMP7502DLP</b>                                                                                                                                                                                        |
|                    |                 |       |                                                          |                                                                                                                                                                                                             |

\* RAL 7035 from 2016.

# Polyester floor-standing enclosures

## Specific accessories

### 19" chassis

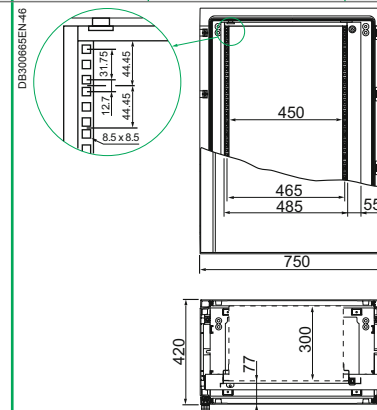
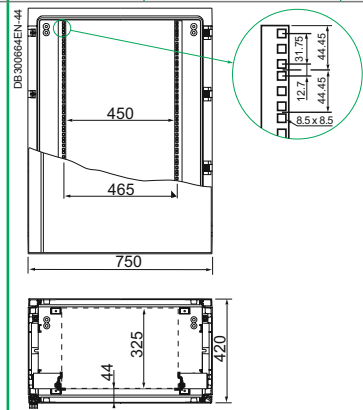


Enclosure with 19" fixed chassis.



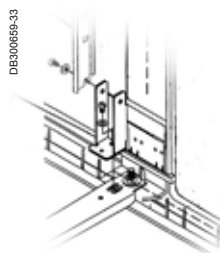
Enclosure with 19" swing chassis.

| Characteristics           | 19" fixed chassis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 19" swing chassis                                                                                                                                                                                                                               |                            |                          |                            |                 |                |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------------------------|----------------------------|-----------------|----------------|
|                           | <ul style="list-style-type: none"> <li>Very sturdy 19" metal chassis, designed for installation in enclosures with a width of 750 and 1250 mm. In the 1250 mm enclosure, the chassis is installed in the 750 mm part with an intermediate support, ref. <b>NSYSBPLA</b>.</li> <li>These chassis can be used as partial mounting plates in enclosures with higher than nominal height.</li> <li>Incompatible with the internal doors and the step slides.</li> <li>Fixed chassis made up of 2 uprights with fixings.</li> </ul> | <ul style="list-style-type: none"> <li>Swing chassis opening to 120° with 5 mm double-bar key lock.</li> </ul>                                                                                                                                  |                            |                          |                            |                 |                |
| Material                  | Sheet steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Sheet steel                                                                                                                                                                                                                                     |                            |                          |                            |                 |                |
| Finish                    | Epoxy-polyester paint                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Epoxy-polyester paint                                                                                                                                                                                                                           |                            |                          |                            |                 |                |
| Colour                    | RAL 7032 grey*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | RAL 7032 grey*                                                                                                                                                                                                                                  |                            |                          |                            |                 |                |
| Installation              | For heights from 750 to 1500 mm, the installation requires ordering 1 batch of 2 matching uprights. If a chassis is installed in an enclosure with a greater height, it is necessary to use the suitable uprights for the size of the enclosure                                                                                                                                                                                                                                                                                | For heights from 750 to 1500 mm, the installation requires ordering 1 batch of 2 matching uprights. If a chassis is installed in an enclosure with a greater height, it is necessary to use the suitable uprights for the size of the enclosure |                            |                          |                            |                 |                |
| Maximum load              | 3 kg per U                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3 kg per U                                                                                                                                                                                                                                      |                            |                          |                            |                 |                |
| <b>For enclosure (mm)</b> | <b>Number of U</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>References</b>                                                                                                                                                                                                                               | <b>Number of U</b>         | <b>References</b>        |                            |                 |                |
| <b>Height</b>             | <b>Width</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>19" fixed chassis</b>                                                                                                                                                                                                                        | <b>Batch of 2 uprights</b> | <b>19" swing chassis</b> | <b>Batch of 2 uprights</b> |                 |                |
| 500                       | 750                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 8                                                                                                                                                                                                                                               | NSYBRF8PLA                 | -                        | -                          |                 |                |
| 750                       | 750                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 12                                                                                                                                                                                                                                              | NSYBRF12PLA                | NSYSPLA75                | NSYBRP11PLA                | NSYSPLA75       |                |
| 1000                      | 750                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 17                                                                                                                                                                                                                                              | NSYBRF17PLA                | NSYSPLA100               | NSYBRP16PLA                | NSYSPLA100      |                |
| 1250                      | 750                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 21                                                                                                                                                                                                                                              | NSYBRF21PLA                | NSYSPLA125               | NSYBRP20PLA                | NSYSPLA125      |                |
| 1500                      | 750                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 26                                                                                                                                                                                                                                              | NSYBRF26PLA                | NSYSPLA150               | NSYBRP25PLA                | NSYSPLA150      |                |
| 2000                      | 750                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 35                                                                                                                                                                                                                                              | NSYBRF35PLA                | 2 x NSYSPLA100           | 2 x 16                     | 2 x NSYBRP16PLA | 2 x NSYSPLA100 |



\*RAL 7035 from 2016.

### Recommendation



**Intermediate support**  
Accessory required for installing uprights, ref. **NSYSPLA●●●**.

**Reference**  
**NSYSBPLA**

# Polyester DIN floor-standing enclosure

## Introduction

### > Floor-standing enclosures

designed mainly to accommodate busbars and DIN-type three-pole LV fuse, for LV public distribution network.

The properties of the material and the manufacturing process are identical to those of the Thalassa PLA range.



#### Smart

Enclosure ref. **NSYPLD8122** with the central upright fixed to the left door.

Enclosure ref. **NSYPLD8122C** with central upright, 2 doors and 2 locks.

### LV public distribution application with DIN three-pole fuse blocks: floor-standing enclosure and plinth



### This range can be configured according to your needs

#### 4 different services available:



Assemble to order



Mounting of standard accessories



Painting



Machining

See page 450 for details or consult our web site [www.schneider-electric.com](http://www.schneider-electric.com)

# Polyester DIN floor-standing enclosure

## Characteristics



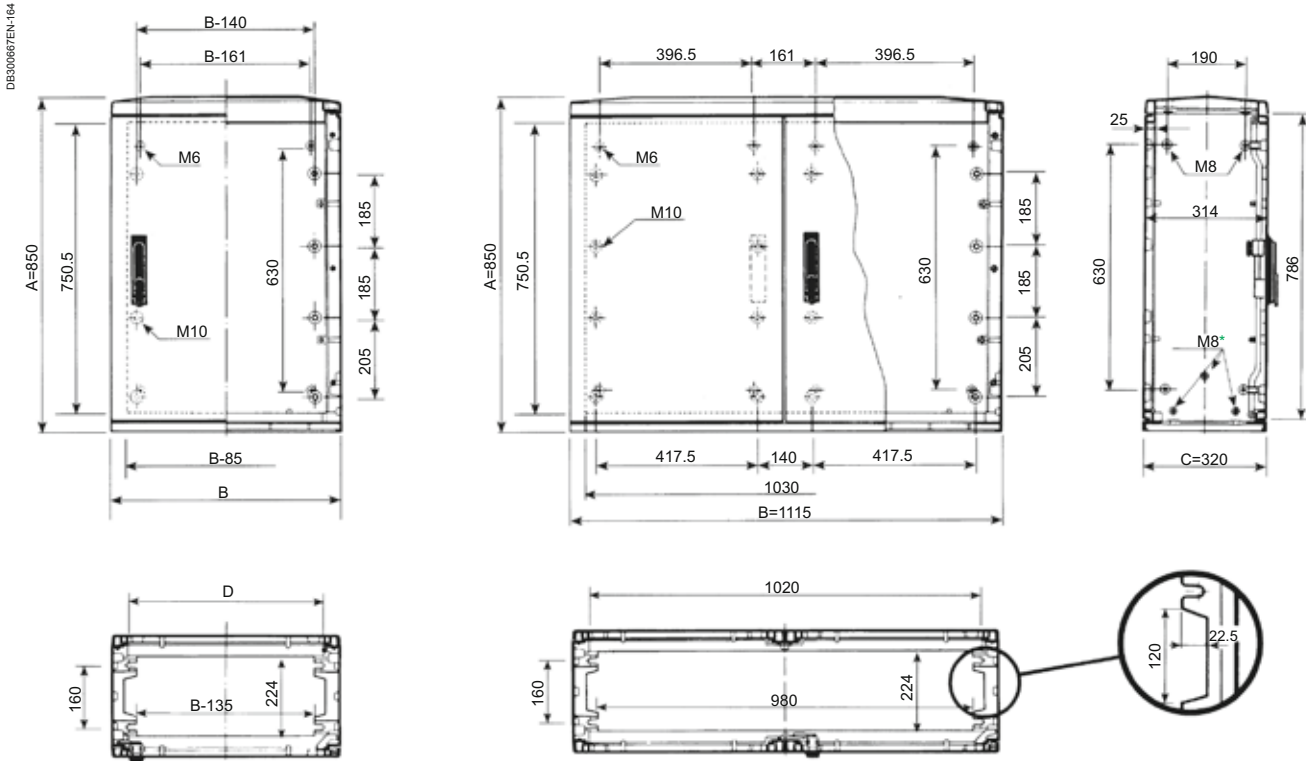
| Characteristics              |                |            | Thalassa PLD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |              |                    |
|------------------------------|----------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|--------------------|
|                              |                |            | <ul style="list-style-type: none"> <li>■ Floor-standing enclosure with built-in canopy, not overhanging, allowing the coupling of enclosures side-to-side or back-to-back.</li> <li>■ Easily removable inner hinges, allowing the door to be reversed and to open to more than 180°.</li> <li>■ Doors equipped with impressions allowing the integration of inserts for M6 screws.</li> <li>■ Closing by handle with lever and 1242 E cylindrical safety lock. Other locks optionally available (see page 210).</li> <li>■ 2-door floor-standing enclosure with central upright:               <ul style="list-style-type: none"> <li>□ fixed to the enclosure and removable: one lock on each door,</li> <li>□ fixed to the left door: a single lock on the right door.</li> </ul> </li> <li>■ M8 boss for installation on the lateral surfaces, inserts ref. <b>NSYTEX8</b> not supplied.</li> <li>■ M6 bosses in the roof for fixing the lighting or auxiliary equipment, inserts ref. <b>NSYTEX6</b> not supplied.</li> </ul> |              |              |                    |
| Material                     |                |            | Polyester reinforced with fibreglass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |              |                    |
| Colour                       |                |            | RAL 7032 grey*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |              |                    |
| Ingress protection rating    |                |            | IP43 according to IEC 60529 (IP54 with sealing kit, see page 210)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |              |                    |
| Mechanical protection rating |                |            | IK10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |              |                    |
| Installation                 |                |            | <ul style="list-style-type: none"> <li>■ Outdoor installation: compliant with IEC 62208 regarding type tests specified in §9.12 (resistance to ultra-violet (UV) radiation) and §9.13 (resistance to corrosion). It is always advisable to install a canopy to avoid water stagnation on the upper part of the enclosure</li> <li>■ Direct fixing to the floor or on a plinth, with a height of 900 mm, partially embedded</li> <li>■ Fixing points at the rear of the enclosure with:               <ul style="list-style-type: none"> <li>□ M10 inserts: for installing, direct or on insulators, distribution bars for DIN-type three-pole fuse-holder strips and for a neutral bar</li> <li>□ M6 inserts: for installing a mounting plate</li> </ul> </li> </ul>                                                                                                                                                                                                                                                              |              |              |                    |
| Height (mm)                  | Width (B) (mm) | Depth (mm) | Size DIN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | No. of doors | No. of locks | References         |
| 850                          | 465            | 320        | 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1            | 1            | <b>NSYPLD8500</b>  |
| 850                          | 590            | 320        | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1            | 1            | <b>NSYPLD860</b>   |
| 850                          | 785            | 320        | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1            | 1            | <b>NSYPLD881</b>   |
| 850                          | 1115           | 320        | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2            | 1            | <b>NSYPLD8122</b>  |
| 850                          | 1115           | 320        | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2            | 2            | <b>NSYPLD8122C</b> |

\* RAL 7035 from 2016.

# Polyester DIN floor-standing enclosure

## Dimensions

### Floor-standing enclosures

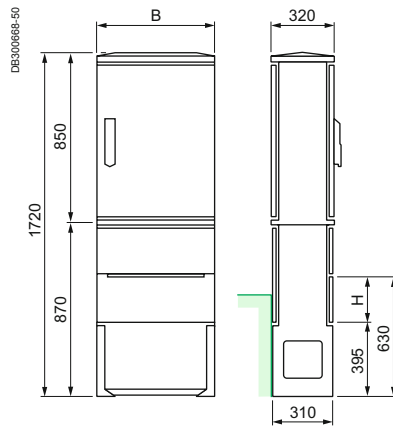


\* Housing for M8 inserts, ref. **NSYTEPLDM8** (to be ordered in multiples of 25).

| B (mm) | D** (mm) | References |
|--------|----------|------------|
| 465    | 360      | NSYPLD8500 |
| 590    | 495      | NSYPLD860  |
| 785    | 690      | NSYPLD881  |
| 1115   | 1020     | NSYPLD8122 |

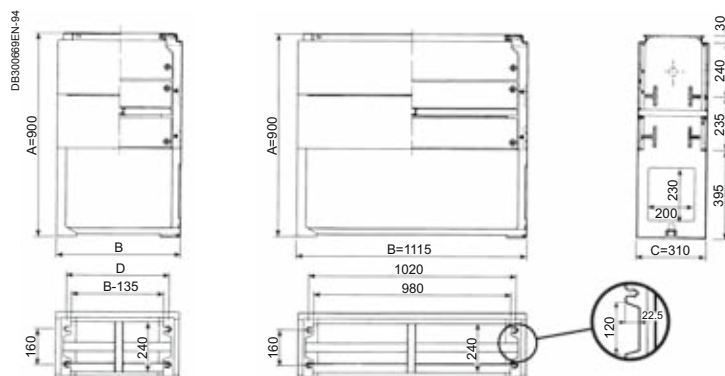
\*\* Distance between the points for fixing the enclosure to the plinth.

### Floor-standing enclosure plus plinth



The H dimension relates to the finished floor height area.

### Plinths





# Polyester DIN floor-standing enclosure

## Specific accessories

### Base accessories



| Characteristics              |                            | Plinth height 900 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Floor-standing supports                                                 |     |     |           |
|------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----|-----|-----------|
|                              |                            | <ul style="list-style-type: none"> <li>Easy machining.</li> <li>Embeddable plinth ready for direct fixing of DIN floor-standing enclosures.</li> <li>Retractable top front panel, providing easy access to the inside of the enclosure.</li> <li>On the rear panel, housings with M6 inserts, allowing the fixing of the plate, DIN rail or assorted hardware.</li> <li>Lateral uprights with knock-out auxiliary outlet with a diameter of Pg 36 (48 mm).</li> <li>Internal U- and L-shaped metal uprights, adjustable, for fixing cables.</li> <li>A knock-out zone is provided at the bottom of the lateral uprights for cable entry.</li> </ul> | Set of 2 metal supports for fixing the enclosure directly to the floor. |     |     |           |
| Material                     |                            | Polyester reinforced with fibreglass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                                                                       |     |     |           |
| Colour                       |                            | RAL 7035 grey*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                                                                       |     |     |           |
| For floor-standing enclosure |                            | Table of fixing and opening dimensions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                         |     |     |           |
| Width (mm)                   | References                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | K                                                                       | L   | M   | Reference |
| 465                          | NSYPLD8500                 | NSYZD5300                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 360                                                                     | 320 | 224 | NSYSPLD   |
| 590                          | NSYPLD860                  | NSYZD630                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 495                                                                     | 455 | 224 |           |
| 785                          | NSYPLD881                  | NSYZD831                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 690                                                                     | 650 | 224 |           |
| 1115                         | NSYPLD8122 and NSYPLD8122C | NSYZD1232                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1020                                                                    | 980 | 224 |           |
|                              |                            | <br>Knock-out Pg 36 auxiliary outlet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <br>Removable top front panel (not hinged).                             |     |     |           |
|                              |                            | <br>Lateral knock-out is removed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <br>DB3000670-42                                                        |     |     |           |

\* RAL 7035 from 2016.

# Polyester DIN floor-standing enclosure

## Specific accessories

### Locking system



| Characteristics                            | Locks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                             |  |      |            |                 |           |                  |          |                  |          |                  |          |                      |          |                    |          |                    |             |                                            |          |                    |            |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--|------|------------|-----------------|-----------|------------------|----------|------------------|----------|------------------|----------|----------------------|----------|--------------------|----------|--------------------|-------------|--------------------------------------------|----------|--------------------|------------|
|                                            | Standard lock with retractable plastic handle and 1242 E semi-cylindrical safety lock.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                             |  |      |            |                 |           |                  |          |                  |          |                  |          |                      |          |                    |          |                    |             |                                            |          |                    |            |
| Options                                    | Other optional shape inserts or barrels and keys                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                             |  |      |            |                 |           |                  |          |                  |          |                  |          |                      |          |                    |          |                    |             |                                            |          |                    |            |
| Options                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                             |  |      |            |                 |           |                  |          |                  |          |                  |          |                      |          |                    |          |                    |             |                                            |          |                    |            |
|                                            | <table border="1"> <thead> <tr> <th colspan="2">Inserts for optional change</th> </tr> <tr> <th>Name</th> <th>References</th> </tr> </thead> <tbody> <tr> <td>5-mm double bar</td> <td>NSYTDB5ME</td> </tr> <tr> <td>6-mm male square</td> <td>NSYTC6ME</td> </tr> <tr> <td>7-mm male square</td> <td>NSYTC7ME</td> </tr> <tr> <td>8-mm male square</td> <td>NSYTC8ME</td> </tr> <tr> <td>6.5-mm male triangle</td> <td>NSYTT6ME</td> </tr> <tr> <td>8-mm male triangle</td> <td>NSYTT8ME</td> </tr> <tr> <td>Barrel and key 405</td> <td>NSYTCL405ME</td> </tr> <tr> <td>Reinforced semi-cylindrical barrel and key</td> <td>NSYTLRME</td> </tr> <tr> <td>JIS key and barrel</td> <td>NSYTLJISME</td> </tr> </tbody> </table> | Inserts for optional change |  | Name | References | 5-mm double bar | NSYTDB5ME | 6-mm male square | NSYTC6ME | 7-mm male square | NSYTC7ME | 8-mm male square | NSYTC8ME | 6.5-mm male triangle | NSYTT6ME | 8-mm male triangle | NSYTT8ME | Barrel and key 405 | NSYTCL405ME | Reinforced semi-cylindrical barrel and key | NSYTLRME | JIS key and barrel | NSYTLJISME |
| Inserts for optional change                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                             |  |      |            |                 |           |                  |          |                  |          |                  |          |                      |          |                    |          |                    |             |                                            |          |                    |            |
| Name                                       | References                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |  |      |            |                 |           |                  |          |                  |          |                  |          |                      |          |                    |          |                    |             |                                            |          |                    |            |
| 5-mm double bar                            | NSYTDB5ME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                             |  |      |            |                 |           |                  |          |                  |          |                  |          |                      |          |                    |          |                    |             |                                            |          |                    |            |
| 6-mm male square                           | NSYTC6ME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                             |  |      |            |                 |           |                  |          |                  |          |                  |          |                      |          |                    |          |                    |             |                                            |          |                    |            |
| 7-mm male square                           | NSYTC7ME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                             |  |      |            |                 |           |                  |          |                  |          |                  |          |                      |          |                    |          |                    |             |                                            |          |                    |            |
| 8-mm male square                           | NSYTC8ME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                             |  |      |            |                 |           |                  |          |                  |          |                  |          |                      |          |                    |          |                    |             |                                            |          |                    |            |
| 6.5-mm male triangle                       | NSYTT6ME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                             |  |      |            |                 |           |                  |          |                  |          |                  |          |                      |          |                    |          |                    |             |                                            |          |                    |            |
| 8-mm male triangle                         | NSYTT8ME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                             |  |      |            |                 |           |                  |          |                  |          |                  |          |                      |          |                    |          |                    |             |                                            |          |                    |            |
| Barrel and key 405                         | NSYTCL405ME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                             |  |      |            |                 |           |                  |          |                  |          |                  |          |                      |          |                    |          |                    |             |                                            |          |                    |            |
| Reinforced semi-cylindrical barrel and key | NSYTLRME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                             |  |      |            |                 |           |                  |          |                  |          |                  |          |                      |          |                    |          |                    |             |                                            |          |                    |            |
| JIS key and barrel                         | NSYTLJISME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |  |      |            |                 |           |                  |          |                  |          |                  |          |                      |          |                    |          |                    |             |                                            |          |                    |            |



#### Padlocking accessory

**Description:** padlocking system, for Ø 9 mm padlock, preventing access to the handle.

#### Reference

NSYBCME

### Other accessories

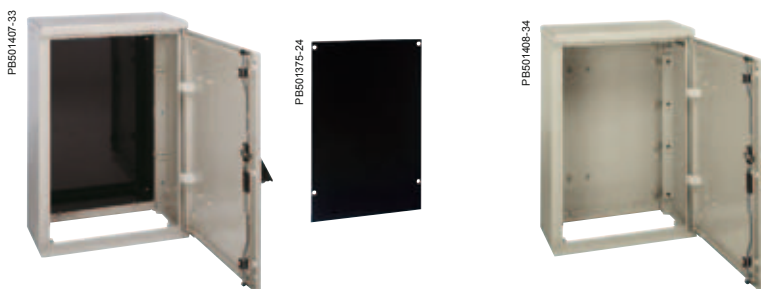


| Characteristics              | IP54 sealing kit                                                                                                                                                |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              | <ul style="list-style-type: none"> <li>Placed directly on the door and on the rear of the enclosure.</li> <li>Seal made from black synthetic rubber.</li> </ul> |
| Ingress protection rating    | IP54                                                                                                                                                            |
| For floor-standing enclosure |                                                                                                                                                                 |
| Width (mm)                   | References                                                                                                                                                      |
| 465                          | NSYJED8500                                                                                                                                                      |
| 590                          | NSYJED860                                                                                                                                                       |
| 785                          | NSYJED881                                                                                                                                                       |
| 1115                         | NSYJED8122                                                                                                                                                      |

# Polyester DIN floor-standing enclosure

## Specific accessories

### Mounting accessories



| Characteristics                     | Insulating mounting plate                                        | Lateral uprights for busbars                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                     | It is placed directly on the rear of the enclosure.              | <ul style="list-style-type: none"> <li>■ They are fixed to the plinth, ref. <b>NSYZD●●●</b>.</li> <li>■ They are designed to accommodate busbars, fixed to the built-in inserts.</li> <li>■ This installation is used with a polyester DIN floor-standing enclosure previously machined to obtain a completely open bottom part. This machining is available in the customised offer.</li> <li>■ The enclosure is positioned from the top on the set made of both lateral uprights plus the plinth.</li> <li>■ The fixings supplied allow the attachment of the 2 uprights to the enclosure.</li> </ul> |
| Material                            | Insulating material, bakelite                                    | Polyester                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Colour                              | RAL 9005 black                                                   | RAL 7032 grey**                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Thickness                           | 50/10* mm                                                        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>For floor-standing enclosure</b> | <b>D (mm)</b> <b>E (mm)</b> <b>Weight (kg)</b> <b>References</b> | <b>Reference</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Width (mm)</b>                   |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 465                                 | 356 304 2 <b>NSYAPLD85</b>                                       | <b>NSYBPLDN</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 590                                 | 481 429 2.7 <b>NSYAPLD86</b>                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 785                                 | 676 624 3.8 <b>NSYAPLD88</b>                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 1115                                | 448.5 396.5 5 <b>NSYAPLD812*</b>                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                                     |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

\* The reference includes 2 mounting plates with the dimensions of the table.  
 \*\* RAL 7035 from 2016.

# Accessories

|                                                                                                                                                                                                                                                       |                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                                                                                     | <p><b>Mounting</b> <span style="float: right;"><b>214</b></span></p>                  |
|                                                                                                                                                                      | <p><b>Power distribution</b> <span style="float: right;"><b>248</b></span></p>        |
|    | <p><b>Cable management</b> <span style="float: right;"><b>266</b></span></p>          |
|                                                                                                                                                                     | <p><b>Terminal blocks</b> <span style="float: right;"><b>288</b></span></p>           |
|                                                                                                                                                                    | <p><b>Lighting and power socket</b> <span style="float: right;"><b>290</b></span></p> |
|                                                                                                                                                                    | <p><b>Floor accessories</b> <span style="float: right;"><b>294</b></span></p>         |
|                                                                                 | <p><b>Door accessories</b> <span style="float: right;"><b>295</b></span></p>          |
|                                                                                 | <p><b>Other accessories</b> <span style="float: right;"><b>300</b></span></p>         |

# Mounting

## Mounting plates for wall-mounting enclosures

S3D S3X PLM



| Characteristics     |                 | Mounting plates                          |                            |            |       |                                                                                                 |                                                                                                                                                                   | Telequick mounting plate**                                                                                                                                                            |         |            |           |
|---------------------|-----------------|------------------------------------------|----------------------------|------------|-------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------|-----------|
|                     |                 | Plain                                    |                            |            |       | Silkscreened                                                                                    | Microperforated                                                                                                                                                   |                                                                                                                                                                                       |         |            |           |
|                     |                 |                                          |                            |            |       | Silkscreened for easier distribution of the products to be installed. Centimetric grid pattern. | They considerably reduce the products installation time thanks to the holes prepared to receive the self-tapping screws. Holes with Ø 3.6 mm in steps of 12.5 mm. | They allow cable guides and ducting and other installation accessories to be clipped on, making it easier to install switchgear. 11 x 26 mm slots. Switchgear fixing by clip-on nuts. |         |            |           |
| Material            |                 | Galvanised-steel                         |                            |            |       | Galvanised-steel                                                                                | Galvanised-steel                                                                                                                                                  | Zinc-coated-steel                                                                                                                                                                     |         |            |           |
| Colour              |                 | -                                        |                            |            |       | -                                                                                               | -                                                                                                                                                                 | -                                                                                                                                                                                     |         |            |           |
| Supply              |                 | 1 mounting plate without fixing elements |                            |            |       |                                                                                                 |                                                                                                                                                                   | 1 mounting plate without fixing elements                                                                                                                                              |         |            |           |
| For enclosures (mm) | Dimensions (mm) | Max. load (kg)                           | Surface (dm <sup>2</sup> ) | References |       | References                                                                                      | References                                                                                                                                                        | No. of perforations in                                                                                                                                                                |         | References |           |
|                     |                 |                                          |                            | H          | W     | Height                                                                                          | Width                                                                                                                                                             | Height                                                                                                                                                                                | Width   |            |           |
| 60                  | 700             | -                                        | -                          | -          | -     | -                                                                                               | -                                                                                                                                                                 | -                                                                                                                                                                                     | -       | -          |           |
| 120                 | 700             | -                                        | -                          | -          | -     | -                                                                                               | -                                                                                                                                                                 | -                                                                                                                                                                                     | -       | -          |           |
| 200                 | 200             | 150                                      | 150                        | 40         | 2.3   | NSYMM22                                                                                         | -                                                                                                                                                                 | -                                                                                                                                                                                     | -       | -          |           |
|                     | 300             | 150                                      | 250                        | 40         | 3.7   | NSYMM23                                                                                         | -                                                                                                                                                                 | -                                                                                                                                                                                     | -       | -          |           |
| 250                 | 200             | 200                                      | 150                        | 40         | 3     | NSYMM2520                                                                                       | -                                                                                                                                                                 | -                                                                                                                                                                                     | -       | -          |           |
|                     | 400             | 200                                      | 350                        | 60         | 7     | NSYMM2540                                                                                       | -                                                                                                                                                                 | -                                                                                                                                                                                     | -       | -          |           |
|                     | 500             | 200                                      | 450                        | 60         | 9     | NSYMM2550                                                                                       | -                                                                                                                                                                 | -                                                                                                                                                                                     | -       | -          |           |
| 300                 | 150             | -                                        | -                          | -          | -     | -                                                                                               | -                                                                                                                                                                 | -                                                                                                                                                                                     | -       | -          |           |
|                     | 195             | -                                        | -                          | -          | -     | -                                                                                               | -                                                                                                                                                                 | -                                                                                                                                                                                     | -       | -          |           |
|                     | 200             | 250                                      | 150                        | 60         | 3.7   | NSYMM32                                                                                         | -                                                                                                                                                                 | NSYMF32                                                                                                                                                                               | 16      | 5          | NSYMR32   |
|                     | 250             | 250                                      | 200                        | 60         | 5     | NSYMM3025*                                                                                      | -                                                                                                                                                                 | -                                                                                                                                                                                     | 16      | 8          | NSYMR3025 |
|                     | 300             | 250                                      | 250                        | 60         | 6.3   | NSYMM33                                                                                         | -                                                                                                                                                                 | NSYMF33                                                                                                                                                                               | 16      | 9          | NSYMR33   |
|                     | 400             | 250                                      | 350                        | 60         | 8.8   | NSYMM43*                                                                                        | NSYMS43*                                                                                                                                                          | NSYMF43*                                                                                                                                                                              | 18      | 11         | NSYMR34   |
|                     | 450             | 250                                      | 400                        | 60         | 10    | NSYMM3045                                                                                       | -                                                                                                                                                                 | -                                                                                                                                                                                     | -       | -          | -         |
|                     | 500             | -                                        | -                          | -          | -     | -                                                                                               | -                                                                                                                                                                 | -                                                                                                                                                                                     | -       | -          | -         |
|                     | 600             | 250                                      | 550                        | 60         | 13.8  | NSYMM36                                                                                         | -                                                                                                                                                                 | -                                                                                                                                                                                     | -       | -          | -         |
|                     | 700             | -                                        | -                          | -          | -     | -                                                                                               | -                                                                                                                                                                 | -                                                                                                                                                                                     | -       | -          | -         |
| 400                 | 300             | -                                        | -                          | -          | -     | -                                                                                               | -                                                                                                                                                                 | -                                                                                                                                                                                     | 22      | 9          | NSYMR43   |
|                     | 400             | 350                                      | 350                        | 60         | 12.3  | NSYMM44                                                                                         | NSYMS44                                                                                                                                                           | NSYMF44                                                                                                                                                                               | 24      | 11         | NSYMR44   |
|                     | 600             | 350                                      | 550                        | 90         | 12.3  | NSYMM64*                                                                                        | NSYMS64*                                                                                                                                                          | -                                                                                                                                                                                     | 24      | 19         | NSYMR46   |
|                     | 800             | 350                                      | 750                        | 90         | 26.3  | NSYMM48                                                                                         | -                                                                                                                                                                 | -                                                                                                                                                                                     | -       | -          | -         |
| 405                 | 300             | -                                        | -                          | -          | -     | -                                                                                               | -                                                                                                                                                                 | -                                                                                                                                                                                     | -       | -          |           |
| 500                 | 300             | 450                                      | 250                        | 60         | 11.3  | NSYMM53*                                                                                        | NSYMS53*                                                                                                                                                          | NSYMF53                                                                                                                                                                               | 29      | 9          | NSYMR53   |
|                     | 400             | 450                                      | 350                        | 90         | 15.8  | NSYMM54                                                                                         | NSYMS54                                                                                                                                                           | NSYMF54                                                                                                                                                                               | 31      | 11         | NSYMR54   |
|                     | 500             | 450                                      | 450                        | 90         | 20.3  | NSYMM55*                                                                                        | NSYMS55*                                                                                                                                                          | NSYMF55                                                                                                                                                                               | 31      | 14         | NSYMR55   |
| 600                 | 400             | 550                                      | 350                        | 90         | 19.3  | NSYMM64                                                                                         | NSYMS64                                                                                                                                                           | NSYMF64*                                                                                                                                                                              | 38      | 11         | NSYMR64   |
|                     | 500             | 550                                      | 450                        | 90         | 24.8  | NSYMM65                                                                                         | -                                                                                                                                                                 | NSYMF65                                                                                                                                                                               | 38      | 14         | NSYMR65   |
|                     | 600             | 550                                      | 550                        | 135        | 30.3  | NSYMM66                                                                                         | NSYMS66                                                                                                                                                           | NSYMF66                                                                                                                                                                               | 38      | 17         | NSYMR66   |
|                     | 700             | -                                        | -                          | -          | -     | -                                                                                               | -                                                                                                                                                                 | -                                                                                                                                                                                     | -       | -          | -         |
|                     | 800             | -                                        | -                          | -          | -     | -                                                                                               | -                                                                                                                                                                 | -                                                                                                                                                                                     | 36      | 24         | NSYMR68   |
|                     | 700             | 500                                      | 650                        | 450        | 135   | 29.3                                                                                            | NSYMM75                                                                                                                                                           | NSYMS75                                                                                                                                                                               | NSYMF75 | 44         | 14        |
| 705                 | 600             | 650                                      | 550                        | 135        | 35.8  | NSYMM76                                                                                         | -                                                                                                                                                                 | -                                                                                                                                                                                     | 44      | 17         | NSYMR76   |
|                     | 500             | -                                        | -                          | -          | -     | -                                                                                               | -                                                                                                                                                                 | -                                                                                                                                                                                     | -       | -          | -         |
| 795                 | 600             | -                                        | -                          | -          | -     | -                                                                                               | -                                                                                                                                                                 | -                                                                                                                                                                                     | -       | -          |           |
| 800                 | 600             | 750                                      | 550                        | 135        | 41.3  | NSYMM86*                                                                                        | NSYMS86*                                                                                                                                                          | NSYMF86*                                                                                                                                                                              | 51      | 17         | NSYMR86   |
|                     | 800             | 750                                      | 750                        | 150        | 56.3  | NSYMM88                                                                                         | -                                                                                                                                                                 | NSYMF88                                                                                                                                                                               | 51      | 24         | NSYMR88   |
|                     | 1000            | -                                        | -                          | -          | -     | -                                                                                               | -                                                                                                                                                                 | -                                                                                                                                                                                     | 49      | 31         | NSYMR810  |
| 900                 | 500             | -                                        | -                          | -          | -     | -                                                                                               | -                                                                                                                                                                 | -                                                                                                                                                                                     | -       | -          | -         |
|                     | 600             | -                                        | -                          | -          | -     | -                                                                                               | -                                                                                                                                                                 | -                                                                                                                                                                                     | -       | -          | -         |
|                     | 700             | -                                        | -                          | -          | -     | -                                                                                               | -                                                                                                                                                                 | -                                                                                                                                                                                     | -       | -          | -         |
| 1000                | 600             | 950                                      | 550                        | 150        | 52.3  | NSYMM106                                                                                        | -                                                                                                                                                                 | NSYMF106                                                                                                                                                                              | 64      | 17         | NSYMR106  |
|                     | 800             | 950                                      | 750                        | 150        | 71.3  | NSYMM108*                                                                                       | -                                                                                                                                                                 | NSYMF108*                                                                                                                                                                             | 64      | 24         | NSYMR108  |
|                     | 1000            | 950                                      | 950                        | 180        | 90.3  | NSYMM1010                                                                                       | -                                                                                                                                                                 | NSYMF1010                                                                                                                                                                             | 62      | 31         | NSYMR1010 |
|                     | 1200            | -                                        | -                          | -          | -     | -                                                                                               | -                                                                                                                                                                 | -                                                                                                                                                                                     | 62      | 37         | NSYMR1012 |
| 1200                | 600             | 1150                                     | 550                        | 180        | 63.3  | NSYMM126                                                                                        | -                                                                                                                                                                 | NSYMF126                                                                                                                                                                              | 75      | 17         | NSYMR126  |
|                     | 800             | 1150                                     | 750                        | 180        | 86.3  | NSYMM128*                                                                                       | -                                                                                                                                                                 | NSYMF128                                                                                                                                                                              | 75      | 24         | NSYMR128  |
|                     | 1000            | 1150                                     | 950                        | 180        | 109.3 | NSYMM1210*                                                                                      | -                                                                                                                                                                 | NSYMF1210*                                                                                                                                                                            | 75      | 31         | NSYMR1210 |
|                     | 1200            | 1150                                     | 1150                       | 180        | 132.3 | NSYMM1212                                                                                       | -                                                                                                                                                                 | -                                                                                                                                                                                     | -       | -          | -         |
| 1400                | 1000            | 1350                                     | 950                        | 180        | 128.3 | NSYMM1410                                                                                       | -                                                                                                                                                                 | -                                                                                                                                                                                     | 88      | 31         | NSYMR1410 |

\* Plate with reversible dimensions; it can be installed in enclosures with inverted dimensions.

Example: Plate ref. NSYMM64 can be used for the following enclosures: H 600 x W 400 mm or H 400 x W 600 mm.

For plain and silkscreened mounting plates: In wall-mounting enclosures with widths of 1000 and 1200 mm, it is possible to install 2 mounting plates at different depths using an additional central step slide NSYSRSDCR (more information on page 218).



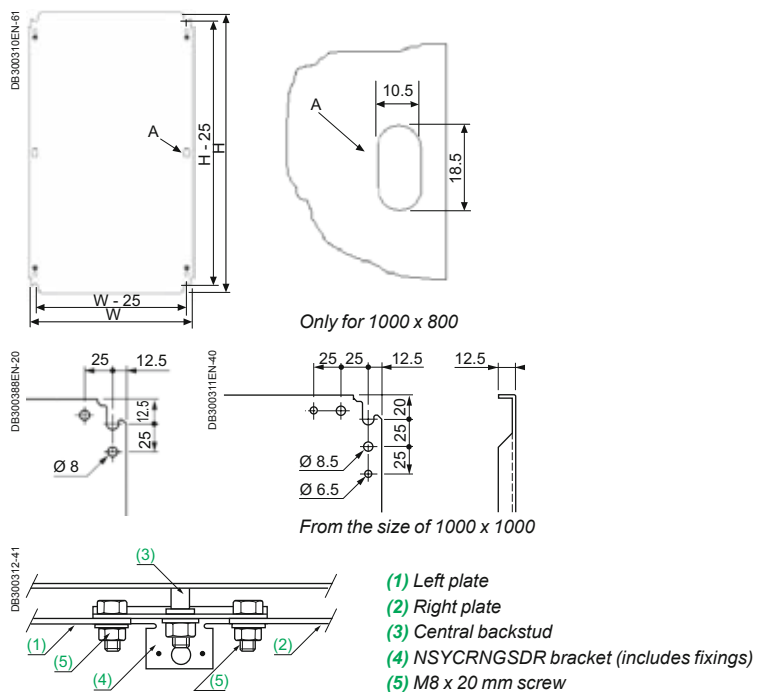
# Mounting

## Mounting plates for wall-mounting enclosures

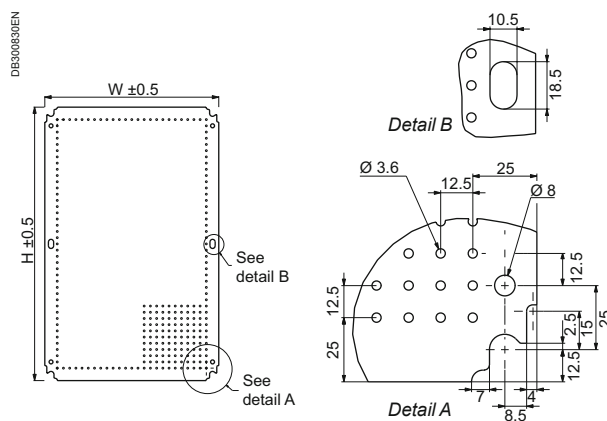
S3D S3X PLM

### Dimensions

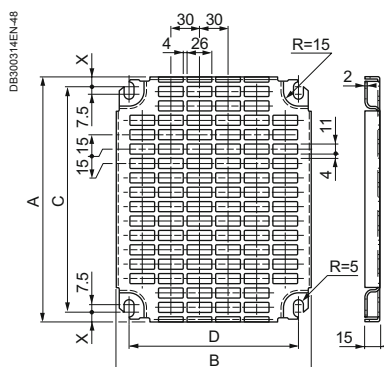
#### Plain and silkscreened mounting plates



#### Microperforated mounting plate



#### Telequick mounting plate





# Mounting

## Mounting plates for wall-mounting enclosures

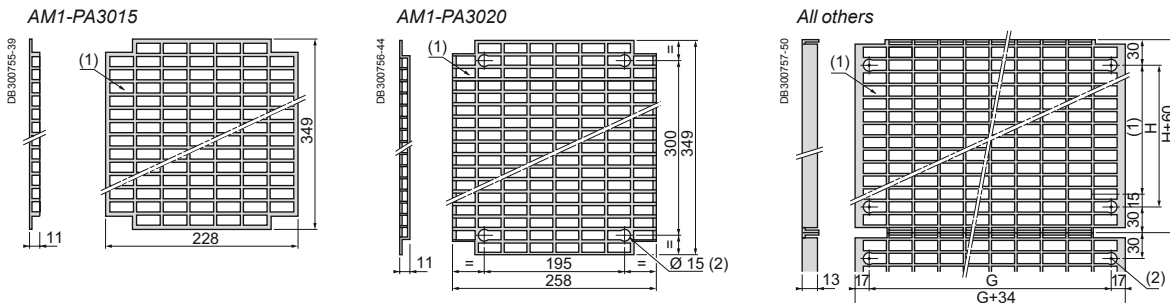
S3D

S3X

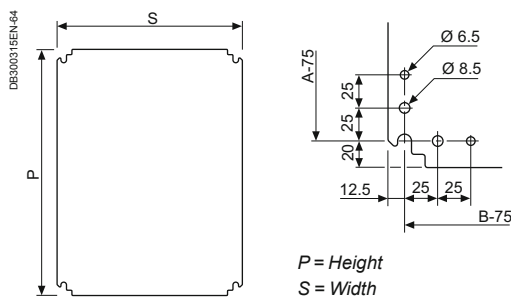
PLM

### Dimensions

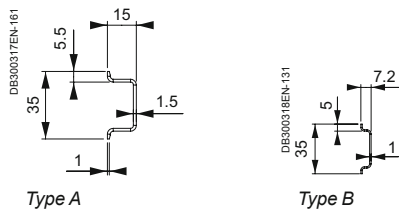
#### Joinable Telequick mounting plate



#### Bakelite and polyester mounting plate



#### DIN-rail chassis



### Mounting plate accessories



| Characteristics | Elevator for microperforated mounting plate                                                                                     | Clip-on nuts for Telequick mounting plate                                                                                  |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
|                 | Mounting plate elevator to mount the Microperforated mounting plate at the same level as the other Telequick system components. | Used to easily fix devices in the Telequick mounting plate with the possibility of changing the lay-out as much as needed. |
| Supply          | 4 units                                                                                                                         | 100 units. Reference by unit. Order by multiples of 100 (100, 200, 300...)                                                 |
|                 | <b>Reference</b><br>AZ1CA04                                                                                                     | <b>Model</b><br>M3<br>M4<br>M5<br>M6                                                                                       |
|                 |                                                                                                                                 | <b>References</b><br>AF1EA3<br>AF1EA4<br>AF1EA5<br>AF1EA6                                                                  |

# Mounting

## Step slides for wall-mounting enclosures

S3D

S3X



| Characteristics | Step slides for mounting plate                                                                                                                                                                      | Step slides for 2 mounting plates in one enclosure                                                                                                                                                                                                                  | Slide bracket for 2 mounting plates at different depths                                                                                     |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
|                 | Set of 4 supports intended for installation in enclosures with depths of 200, 250, 300 and 400 mm. The rail allows the depth of the plate and other accessories to be adjusted in steps of 12.5 mm. | In 1000 and 1200 mm wall-mounting enclosures, it is possible to install 2 mounting plates side by side, using the additional central step slides.                                                                                                                   | Additional slide bracket to be installed on the central step slides in order to mount 2 mounting plates, side by side, in different depths. |
| Supply          | 4 step slides                                                                                                                                                                                       | 2 step slides                                                                                                                                                                                                                                                       | 2 slide brackets                                                                                                                            |
| For enclosure   | <b>References</b>                                                                                                                                                                                   |                                                                                                                                                                                                                                                                     |                                                                                                                                             |
| Depth (mm)      |                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                     |                                                                                                                                             |
| 200             | <b>NSYSDCR200</b>                                                                                                                                                                                   | -                                                                                                                                                                                                                                                                   | <b>NSYCRNGSDR</b>                                                                                                                           |
| 250             | <b>NSYSDCR250</b>                                                                                                                                                                                   | -                                                                                                                                                                                                                                                                   |                                                                                                                                             |
| 300             | <b>NSYSDCR300</b>                                                                                                                                                                                   | <b>NSYSDRSDCR300*</b>                                                                                                                                                                                                                                               |                                                                                                                                             |
| 400             | <b>NSYSDCR400</b>                                                                                                                                                                                   | <b>NSYSDRSDCR400*</b>                                                                                                                                                                                                                                               |                                                                                                                                             |
|                 | <br>                                                                                                                                                                                                | <br><p>(1) Left plate<br/>                 (2) Right plate<br/>                 (3) Central backstud<br/>                 (4) NSYCRNGSDR bracket (includes fixings)<br/>                 (5) NSYSDRSDCR slide bracket<br/>                 (6) M8 x 20 mm screw</p> | <br><br><p>See detail A</p> <p>Detail A</p>                                                                                                 |

\* Not applicable for stainless steel enclosures.

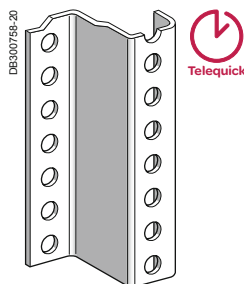
# Mounting

## Vertical rails for wall-mounting enclosures

S3D S3X PLM PLA



S3D S3X PLM



| Characteristics | Aluminium vertical rails                                                                                   |                |            | 20/10° mm zinc-coated pre-drilled uprights                           |            |
|-----------------|------------------------------------------------------------------------------------------------------------|----------------|------------|----------------------------------------------------------------------|------------|
| Supply          | Fixing in the enclosure with M8 nuts, ref. <b>NSYAMCSF</b> (batch of 4 adapters to be ordered separately). |                |            | Ø 11 mm holes enable to adjust the rows of equipment by 20 mm steps. |            |
| Height (a) (mm) | Material                                                                                                   | Supply (units) | References | Weight (g)                                                           | References |
| 300             | Aluminium                                                                                                  | 10             | NSYMDVR3   | -                                                                    | -          |
| 400             | Aluminium                                                                                                  | 10             | NSYMDVR4   | -                                                                    | -          |
| 500             | Aluminium                                                                                                  | 10             | NSYMDVR5   | -                                                                    | -          |
| 600             | Aluminium                                                                                                  | 10             | NSYMDVR6   | -                                                                    | -          |
| 700             | Aluminium                                                                                                  | 10             | NSYMDVR7   | -                                                                    | -          |
| 800             | Aluminium                                                                                                  | 10             | NSYMDVR8   | -                                                                    | -          |
| 1000            | Aluminium                                                                                                  | 10             | NSYMDVR10  | -                                                                    | -          |
| 1020            | -                                                                                                          | -              | -          | 2330                                                                 | DZ6MZ121   |
| 1200            | Steel                                                                                                      | 2              | NSYMDVR12  | -                                                                    | -          |
| 1320            | -                                                                                                          | -              | -          | 2920                                                                 | DZ6MZ151   |
| 1620            | -                                                                                                          | -              | -          | 3375                                                                 | DZ6MZ181   |
| 1920            | -                                                                                                          | -              | -          | 4000                                                                 | DZ6MZ211   |
| 3000 (3 m)      | Aluminium                                                                                                  | 10             | NSYMDVR3M  | -                                                                    | -          |

### Sliding Nuts



Sliding nuts to be used on aluminium vertical rails.

| Type | Supply (units) | References |
|------|----------------|------------|
| M4   | 100            | NSYNM4     |
| M5   | 100            | NSYNM5     |
| M6   | 100            | NSYNM6     |

### Brass nuts to fix the upright to the enclosures



Supply: 4.  
Reference: **NSYAMCSF**

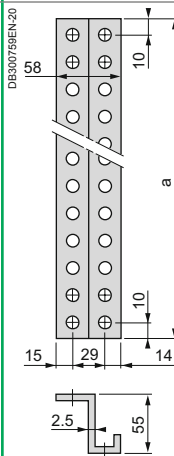
### Slides and brackets



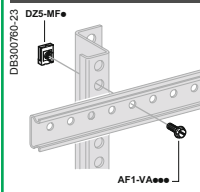
They allow the depth of the plates and rails to be adjusted.  
Supply: 10 units. References per unit. To be ordered in multiples of 10 (10, 20, 30, etc.).



| Type                                                                   | References |
|------------------------------------------------------------------------|------------|
| 90-mm slide with bracket for enclosures with depths of 150 and 200 mm  | NSYSB90    |
| 130-mm slide with bracket for enclosures with depths of 250 and 300 mm | NSYSB130   |
| Bracket for slides (customised mounting plate)                         | NSYFB      |

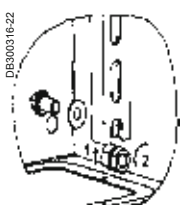
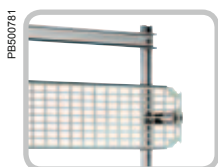


### Notched clamp nuts

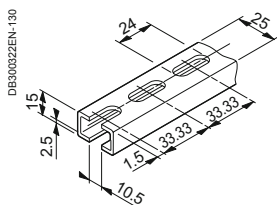


Specially designed for pre-drilled uprights.  
Supply: 100 units. Reference by unit. Order by multiples of 100 (100, 200, 300...).

| Type | Weight (g) | References |
|------|------------|------------|
| M6   | 7.0        | DZ5MF6     |
| M8   | 8.0        | DZ5MF8     |

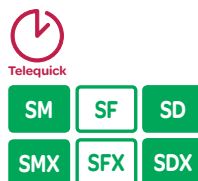
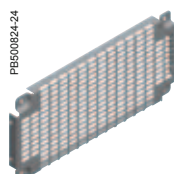


Ref. **NSYAMCSF**



# Mounting

## Mounting plates for floor-standing enclosures



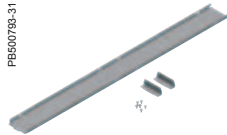
| Characteristics | Plain mounting plate                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  | Perforated mounting plate "Telequick"                                                                                                                                                                                                                                                                                                                                                                             |     |     |     |                                   |                     | Partial mounting plate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |                     |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|
|                 | <ul style="list-style-type: none"> <li>Depth adjustable with a pitch of 25 mm, provided with plastic shoe for easier sliding.</li> <li>Once the plate is fixed, in advanced position, the sliding shoe can be easily removed, to increase the available plate surface.</li> <li>In sets made up of two or more enclosures with mounting plates, it is possible to obtain a continuous plate surface using intermediate mounting plates (see page 221).</li> </ul> |                  | <ul style="list-style-type: none"> <li>Allows the installation of switchgear without drilling or screwing.</li> <li>Plate designed for quick fixing of switchgear by means of clip-on nuts ref. <b>NSYKNM3</b> to <b>NSYKNM6</b>.</li> <li>Vertical continuity is guaranteed by the vertical installation of plates.</li> <li>The top plate must be fixed in the third hole, 80 mm from the top frame.</li> </ul> |     |     |     |                                   |                     | Partial mounting plate, provided with reinforcement flange on its four sides.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                     |
| Material        | Galvanised steel                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                  | Zinc-coated steel                                                                                                                                                                                                                                                                                                                                                                                                 |     |     |     |                                   |                     | Galvanised steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   |                     |
| Fixing          | Fixing options: <ul style="list-style-type: none"> <li>At the sides of the enclosure with the orthogonal brackets (see page 224)</li> <li>Back-to-back, with the brackets for fixing the mounting plates in back-to-back position (see page 225)</li> </ul>                                                                                                                                                                                                       |                  | Fixing options: <ul style="list-style-type: none"> <li>Directly to the vertical uprights of the structure, by means of self-tapping screws (only Spacial SF)</li> <li>To the technical vertical uprights, by means of sliding nuts, page 228; to standard uprights by means of flat nuts, page 228 or self-tapping screws, and to cross rails</li> </ul>                                                          |     |     |     |                                   |                     | Fixing options: <ul style="list-style-type: none"> <li><b>Spacial SF, SFX:</b> <ul style="list-style-type: none"> <li>Fixing to the vertical uprights of the structure</li> <li>Fixing to the technical or standard vertical uprights, see page 228</li> <li>For installations in advanced position, fixing to cross-rails, see page 232</li> </ul> </li> <li><b>Spacial SM:</b> <ul style="list-style-type: none"> <li>Fixing by means of adaptation profiles and 40-mm universal cross-rails (1 row) in vertical position, or also on horizontal universal cross-rails</li> <li>It can be mounted horizontally, as a tray, by means of depthwise cross rails, see page 232</li> </ul> </li> </ul> |                   |                     |
| Maximum load    | 600 kg in the back of the enclosure and 500 kg in the intermediate position                                                                                                                                                                                                                                                                                                                                                                                       |                  | -                                                                                                                                                                                                                                                                                                                                                                                                                 |     |     |     |                                   |                     | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                     |
| Supply          | One mounting plate and sliding shoes                                                                                                                                                                                                                                                                                                                                                                                                                              |                  | One perforated mounting plate and fixing elements for technical uprights and screws for fixing to the structure or cross rails                                                                                                                                                                                                                                                                                    |     |     |     |                                   |                     | Partial mounting plate and fixing elements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |                     |
| Dimensions (mm) | Dimensions (mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                   | References       | Plate height (mm)                                                                                                                                                                                                                                                                                                                                                                                                 |     |     |     | Useful surface (dm <sup>2</sup> ) | References          | Plate height (mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Plate length (mm) | References          |
|                 | Width (B)                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Height (A)       | D                                                                                                                                                                                                                                                                                                                                                                                                                 | E   | F   | G   |                                   |                     | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | B-100             |                     |
| 600             | 1200                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYMP126</b>  | 450                                                                                                                                                                                                                                                                                                                                                                                                               | 200 | -   | 100 | 11.4                              | <b>NSYSTMP2260</b>  | 247                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 500               | <b>NSYSPMP2560</b>  |
|                 | 1400                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYMP146</b>  | 450                                                                                                                                                                                                                                                                                                                                                                                                               | 425 | -   | 325 | 22.8                              | <b>NSYSTMP4560</b>  | 247                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 750               | <b>NSYSPMP2575</b>  |
|                 | 1600                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYMP166</b>  | 450                                                                                                                                                                                                                                                                                                                                                                                                               | 575 | 125 | 475 | 30.4                              | <b>NSYSTMP6060</b>  | 397                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 500               | <b>NSYSPMP4060</b>  |
|                 | 1800                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYMP186</b>  | 450                                                                                                                                                                                                                                                                                                                                                                                                               | 800 | 250 | 700 | 11.9                              | <b>NSYSTMP8260</b>  | 597                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 500               | <b>NSYSPMP6060</b>  |
|                 | 2000                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYMP206</b>  |                                                                                                                                                                                                                                                                                                                                                                                                                   |     |     |     |                                   |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                     |
|                 | 2200                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYMP226</b>  |                                                                                                                                                                                                                                                                                                                                                                                                                   |     |     |     |                                   |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                     |
| 800             | 1200                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYMP128</b>  | 650                                                                                                                                                                                                                                                                                                                                                                                                               | 200 | -   | 100 | 15.9                              | <b>NSYSTMP2280</b>  | 247                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 700               | <b>NSYSPMP2580</b>  |
|                 | 1400                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYMP148</b>  | 650                                                                                                                                                                                                                                                                                                                                                                                                               | 425 | -   | 325 | 31.8                              | <b>NSYSTMP4580</b>  | 397                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 700               | <b>NSYSPMP4080</b>  |
|                 | 1600                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYMP168</b>  | 650                                                                                                                                                                                                                                                                                                                                                                                                               | 575 | 125 | 475 | 42.4                              | <b>NSYSTMP6080</b>  | 597                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 700               | <b>NSYSPMP6080</b>  |
|                 | 1800                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYMP188</b>  | 650                                                                                                                                                                                                                                                                                                                                                                                                               | 800 | 250 | 700 | 58.4                              | <b>NSYSTMP8280</b>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                     |
|                 | 2000                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYMP208</b>  |                                                                                                                                                                                                                                                                                                                                                                                                                   |     |     |     |                                   |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                     |
|                 | 2200                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYMP228</b>  |                                                                                                                                                                                                                                                                                                                                                                                                                   |     |     |     |                                   |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                     |
| 1000            | 1200                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYMP1210</b> | 850                                                                                                                                                                                                                                                                                                                                                                                                               | 200 | -   | 100 | 20.4                              | <b>NSYSTMP22100</b> | 247                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 900               | <b>NSYSPMP25100</b> |
|                 | 1400                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYMP1410</b> | 850                                                                                                                                                                                                                                                                                                                                                                                                               | 425 | -   | 325 | 40.8                              | <b>NSYSTMP45100</b> | 397                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 900               | <b>NSYSPMP40100</b> |
|                 | 1600                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYMP1610</b> | 850                                                                                                                                                                                                                                                                                                                                                                                                               | 575 | 125 | 475 | 54.4                              | <b>NSYSTMP60100</b> | 597                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 900               | <b>NSYSPMP60100</b> |
|                 | 1800                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYMP1810</b> | 850                                                                                                                                                                                                                                                                                                                                                                                                               | 800 | 250 | 700 | 74.9                              | <b>NSYSTMP82100</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                     |
|                 | 2000                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYMP2010</b> |                                                                                                                                                                                                                                                                                                                                                                                                                   |     |     |     |                                   |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                     |
|                 | 2200                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYMP2210</b> |                                                                                                                                                                                                                                                                                                                                                                                                                   |     |     |     |                                   |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                     |
| 1200            | 1200                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYMP1212</b> | 1050                                                                                                                                                                                                                                                                                                                                                                                                              | 200 | -   | 100 | 24.9                              | <b>NSYSTMP22120</b> | 247                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1100              | <b>NSYSPMP25120</b> |
|                 | 1400                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYMP1412</b> | 1050                                                                                                                                                                                                                                                                                                                                                                                                              | 425 | -   | 325 | 49.9                              | <b>NSYSTMP45120</b> | 397                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1100              | <b>NSYSPMP40120</b> |
|                 | 1600                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYMP1612</b> | 1050                                                                                                                                                                                                                                                                                                                                                                                                              | 575 | 125 | 475 | 66.5                              | <b>NSYSTMP60120</b> | 597                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1100              | <b>NSYSPMP60120</b> |
|                 | 1800                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYMP1812</b> | 1050                                                                                                                                                                                                                                                                                                                                                                                                              | 800 | 250 | 700 | 91.5                              | <b>NSYSTMP82120</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                     |
|                 | 2000                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYMP2012</b> |                                                                                                                                                                                                                                                                                                                                                                                                                   |     |     |     |                                   |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                     |
|                 | 2200                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYMP2212</b> |                                                                                                                                                                                                                                                                                                                                                                                                                   |     |     |     |                                   |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                     |
| 1600            | 1800                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYMP1816</b> | Order two 800-mm plates                                                                                                                                                                                                                                                                                                                                                                                           |     |     |     |                                   |                     | 397                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1100              | <b>NSYSPMP40160</b> |
|                 | 2000                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYMP2016</b> |                                                                                                                                                                                                                                                                                                                                                                                                                   |     |     |     |                                   |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                     |

# Mounting

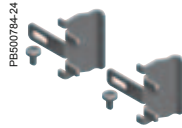
## Mounting plates for floor-standing enclosures



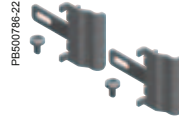
PB500783-31



PB500784-24



PB500786-22

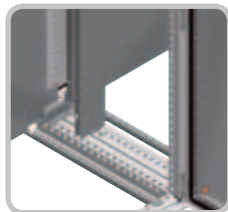


PB500788-29

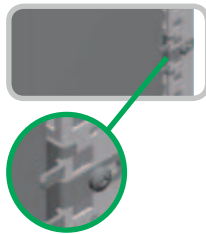


| Characteristics | Intermediate mounting plate                                                                                                                                                                                                                                                                                                                                                                                        | Intermediate fixing of the mounting plate, located in the back of the enclosure                                                                                                                                                                                                                       | Intermediate fixing of the mounting plate, in advanced position                                                                                                                                                                                                                               | Reinforcement for mounting plate                                                                                                                                                                                                                      |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <ul style="list-style-type: none"> <li>Obtains a continuous surface of the mounting plate at enclosure suites.</li> <li>Adjustable depth with a pitch of 25 mm. When the mounting plates are located in the back of the enclosure, the vertical profiles of the structure are flush with the plates, acting as an intermediate mounting plate. In this case the intermediate plate cannot be installed.</li> </ul> | <ul style="list-style-type: none"> <li>Support for additional fixing of the mounting plate, at any height of the plate, when the plate is mounted in the back of the enclosure.</li> <li>The supports minimise the vibration of the plate during the transport and operation of the panel.</li> </ul> | <ul style="list-style-type: none"> <li>Support for additional fixing of the mounting plate, at any height of the plate, when the plate is mounted in advanced position.</li> <li>The supports minimise the vibration of the plate during the transport and operation of the panel.</li> </ul> | <ul style="list-style-type: none"> <li>Reinforcement kit for transversal mounting plate.</li> <li>Provides extra rigidity to the mounting plates and absorbs vibrations.</li> <li>Can be used as a support for fixing very heavy elements.</li> </ul> |
| Material        | Galvanised steel                                                                                                                                                                                                                                                                                                                                                                                                   | Zinc-coated steel                                                                                                                                                                                                                                                                                     | Zinc-coated steel                                                                                                                                                                                                                                                                             | Zinc-coated steel                                                                                                                                                                                                                                     |
| Thickness       | -                                                                                                                                                                                                                                                                                                                                                                                                                  | -                                                                                                                                                                                                                                                                                                     | -                                                                                                                                                                                                                                                                                             | 15/10 <sup>e</sup> mm                                                                                                                                                                                                                                 |
| Fixing          | -                                                                                                                                                                                                                                                                                                                                                                                                                  | <ul style="list-style-type: none"> <li>The supports are fixed to the structure when the plate is already located in the back of the enclosure</li> <li><b>Spacial SM:</b> fixing to 40-mm universal cross rails (1 row), installed vertically in the back of the enclosure, see page 232</li> </ul>   | The supports are mounted on light cross rails or on 40-mm (1 row) universal or quick-fixing cross rails (not supplied), see page 232                                                                                                                                                          | -                                                                                                                                                                                                                                                     |
| Supply          | One intermediate plate and fixing elements                                                                                                                                                                                                                                                                                                                                                                         | Ten units and fixing elements. Reference by unit. Order by multiples of 10 (10, 20, 30...)                                                                                                                                                                                                            | Ten units and fixing elements. Reference by unit. Order by multiples of 10 (10, 20, 30...)                                                                                                                                                                                                    | Two profiles, four supports for fixing to the mounting plate and fixing elements                                                                                                                                                                      |
| Dimensions (mm) |                                                                                                                                                                                                                                                                                                                                                                                                                    | References                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                       |
| Height (A)      | Width (B)                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                       |
| 1200            | -                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>NSYSIMP12</b>                                                                                                                                                                                                                                                                                      | <b>NSYSMPFB</b>                                                                                                                                                                                                                                                                               | <b>NSYSMPFA</b>                                                                                                                                                                                                                                       |
| 1400            | -                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>NSYSIMP14</b>                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                       |
| 1600            | -                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>NSYSIMP16</b>                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                       |
| 1800            | -                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>NSYSIMP18</b>                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                       |
| 2000            | -                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>NSYSIMP20</b>                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                       |
| 2200            | -                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>NSYSIMP22</b>                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                       |
| -               | 800                                                                                                                                                                                                                                                                                                                                                                                                                | -                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                               | <b>NSYMPRK8</b>                                                                                                                                                                                                                                       |
| -               | 1000                                                                                                                                                                                                                                                                                                                                                                                                               | -                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                               | <b>NSYMPRK10</b>                                                                                                                                                                                                                                      |
| -               | 1200                                                                                                                                                                                                                                                                                                                                                                                                               | -                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                               | <b>NSYMPRK12</b>                                                                                                                                                                                                                                      |
| -               | 1600                                                                                                                                                                                                                                                                                                                                                                                                               | -                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                               | <b>NSYMPRK16</b>                                                                                                                                                                                                                                      |

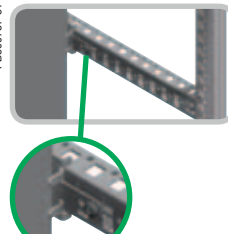
PB500794-33



PB500785-26



PB500787-34

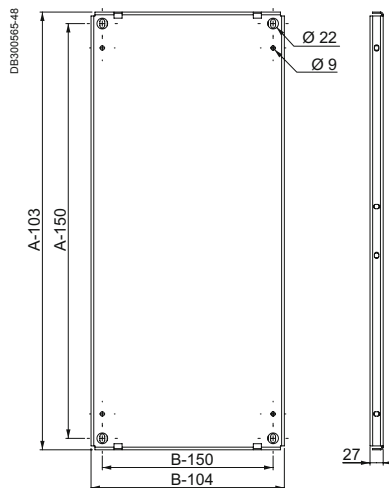


# Mounting

## Mounting plates for floor-standing enclosures

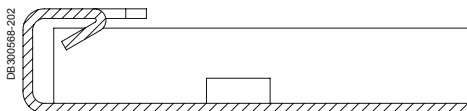
### Dimensions

#### Plain mounting plate



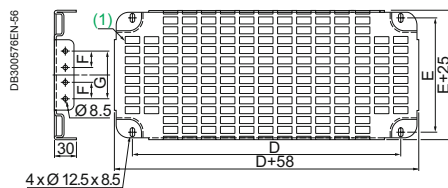
### + Advantages

- The Spacial.pro tool helps determine the optimum dimensions of the mounting plate.



- The triple fold of the vertical edges of the mounting plate contributes to increasing the latter's rigidity and increases handling safety by preventing finger cuts.

#### Perforated mounting plate "Telequick"



(1) Cut-outs 11 x 26 with a pitch of 15 x 30.



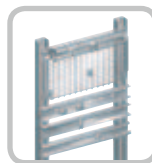
#### Examples of perforated mounting plate installation

PB500825-19



Perforated plate mounted on structure.

PB500826-23



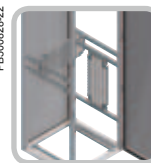
Perforated plate mounted on technical vertical uprights.

PB500827-23



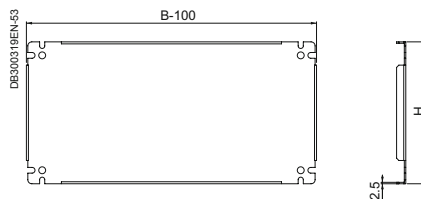
Perforated plate mounted on standard vertical uprights.

PB500828-22



Perforated plate mounted on cross rails.

#### Partial mounting plate

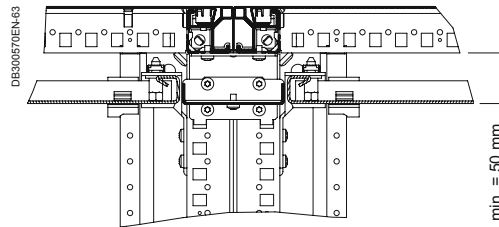


# Mounting

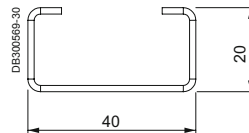
## Mounting plates for floor-standing enclosures

### Dimensions and fixing

#### Intermediate mounting plate



#### Reinforcement for mounting plate



### Mounting plate accessories

#### Self-tapping screw

PB500808



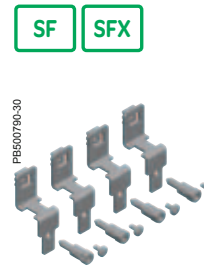
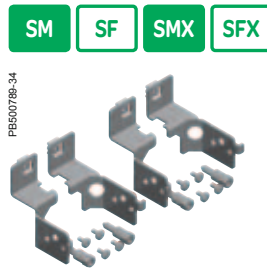
- Hexagonal head, 4.8 x 16 mm thread. Drilling capacity: thicknesses between 17.5/10° and 40/10° mm.
- **Supply:** 100 units. To be ordered in multiples of 100 (100, 200, 300, etc.).

#### Reference

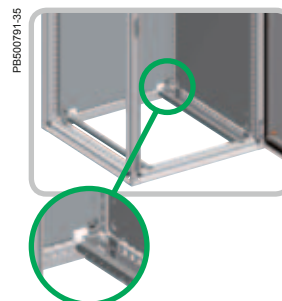
**NSYS16M5HS**

# Mounting

## Mounting plate brackets for floor-standing enclosures





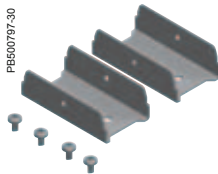
| Characteristics | Mounting plate fixing brackets                                                                                                                                | Orthogonal brackets                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
|                 | <ul style="list-style-type: none"> <li>■ For direct mounting on the structure of the enclosure.</li> <li>■ Adjustable depth with a pitch of 25 mm.</li> </ul> | <ul style="list-style-type: none"> <li>■ Designed for the installation of mounting plates on the sides of the enclosure.</li> <li>■ In the event of installing one plate in the back of the enclosure and one plate at the side, they must both be installed using orthogonal brackets.</li> <li>■ <b>Spacial SFX</b>: in order to mount the lateral mounting plate is necessary to remove the one on the back and its fixing brackets.</li> </ul> |                 |
| Material        | Zinc-coated steel                                                                                                                                             | Zinc-coated steel                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |
| Maximum load    | 4 brackets: 600 kg                                                                                                                                            | 4 brackets: 600 kg                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |
| Supply          | Four brackets and fixing elements                                                                                                                             | Four brackets and fixing elements                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |
| References      |                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |
|                 | <b>Spacial SF</b><br><br><b>NSYSFPB</b>                                                                                                                       | <b>Spacial SM, Spacial SFX, Spacial SMX</b><br><br><b>NSYSMPB</b>                                                                                                                                                                                                                                                                                                                                                                                  | <b>NSYSMPSB</b> |

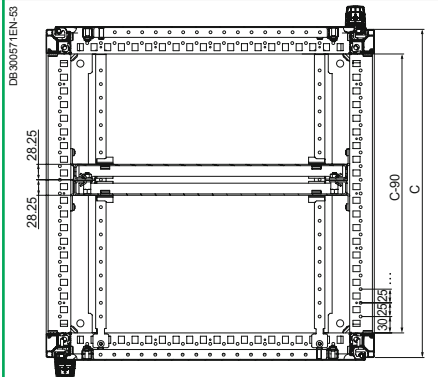
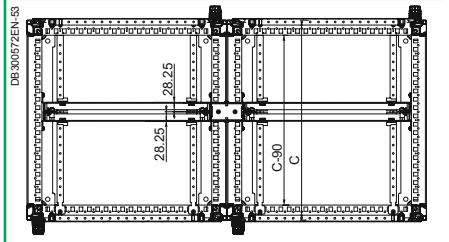


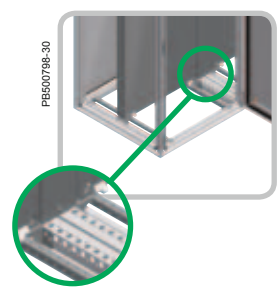
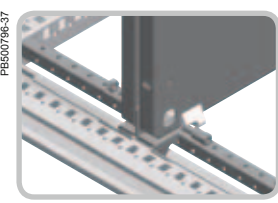
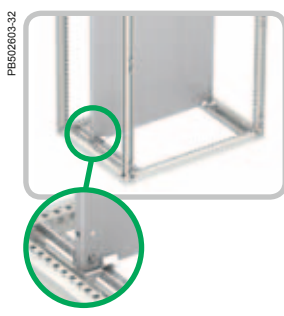


# Mounting

## Mounting plate brackets for floor-standing enclosures

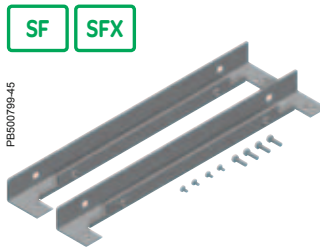
| <div style="border: 1px solid green; padding: 2px; display: inline-block;">SF</div>                                                                                                                                                                  | <div style="border: 1px solid green; padding: 2px; display: inline-block;">SF</div>  | <div style="border: 1px solid green; padding: 2px; display: inline-block;">SF</div> <div style="border: 1px solid green; padding: 2px; display: inline-block; margin-left: 10px;">SFX</div>  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Mounting plate sliding rails</b>                                                                                                                                                                                                                                                                                                   | <b>Brackets for fixing mounting plates in back-to-back position</b>                                                                                                   | <b>Brackets for fixing intermediate mounting plates in back-to-back position</b>                                                                                                                                                                                                |
| <ul style="list-style-type: none"> <li>■ Rails which the mounting plate slides along when inserted in the enclosure.</li> <li>■ Once the mounting plate is installed and fixed to the brackets, the sliding rails can be removed to maximise the cable passage surface, and can be installed depthwise in other positions.</li> </ul> | <ul style="list-style-type: none"> <li>■ Doubling the mounting surface.</li> <li>■ Adjustable with a pitch of 25 mm.</li> </ul>                                       | <ul style="list-style-type: none"> <li>■ Doubling the mounting surface.</li> <li>■ Adjustable with a pitch of 25 mm.</li> </ul>                                                                                                                                                 |
| Zinc-coated steel                                                                                                                                                                                                                                                                                                                     | Zinc-coated steel                                                                                                                                                     | Zinc-coated steel                                                                                                                                                                                                                                                               |
| Two rails and fixing elements                                                                                                                                                                                                                                                                                                         | Four brackets for fixing back-to-back and fixing elements                                                                                                             | 2 brackets for fixing intermediate plates back-to-back and fixing elements                                                                                                                                                                                                      |

| Depth (mm)                                                                                                      |          |                                                                                                                  |          |
|-----------------------------------------------------------------------------------------------------------------|----------|------------------------------------------------------------------------------------------------------------------|----------|
| 400                                                                                                             | NSYSMPS4 | NSYSBTB                                                                                                          | NSYSIBTB |
| 500                                                                                                             | NSYSMPS5 |                                                                                                                  |          |
| 600                                                                                                             | NSYSMPS6 |                                                                                                                  |          |
| 800                                                                                                             | NSYSMPS8 |                                                                                                                  |          |
|  <p>C: Enclosure depth.</p> |          |  <p>C: Enclosure depth.</p> |          |



# Mounting

## Mounting rails for floor-standing enclosures



### Characteristics

#### Side entry rails for the mounting plate

- Side entry device for the mounting plates when coupling **Spacial SF** enclosures or **Spacial SFX**.
- The mounting plates can be coupled with one another, and are fixed to the side entry guide by pressure.

Material  
Supply

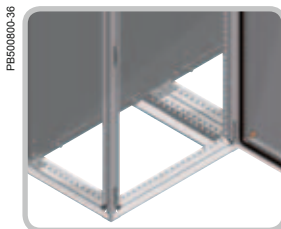
Zinc-coated steel  
Two rails and fixing elements

#### Dimensions (mm)

| Width (B) | Depth (C) |
|-----------|-----------|
| 600       | -         |
| 800       | -         |
| 1000      | -         |
| 1200      | -         |
| -         | 300       |
| -         | 400       |
| -         | 500       |
| -         | 600       |
| -         | 800       |

#### References

**NSYSMPSE6**  
**NSYSMPSE8**  
**NSYSMPSE10**  
**NSYSMPSE12**

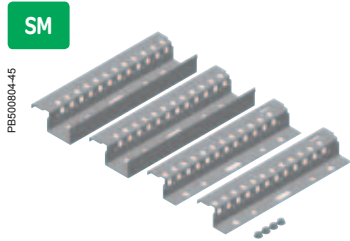


### ★ Examples of combination

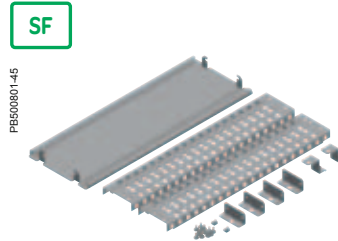
| Length of joined Spacial SF enclosures (mm) | Example of Spacial SF enclosure combination width (mm) (B) | Example of combining mounting plates by width (mm) | Useful length (mm) |
|---------------------------------------------|------------------------------------------------------------|----------------------------------------------------|--------------------|
| 1200                                        | 1200                                                       | 600 + 800                                          | 1192               |
| 1400                                        | 600 + 800                                                  | 600 + 1000                                         | 1392               |
| 1600                                        | 2 x 800                                                    | 800 + 1000                                         | 1592               |
| 1800                                        | 3 x 600                                                    | 800 + 1200                                         | 1792               |
| 2000                                        | 2 x 1000                                                   | 1000 + 1200                                        | 1992               |
| 2200                                        | 600 + 2 x 800                                              | 1200 + 1200                                        | 2192               |
| 2400                                        | 3 x 800                                                    | 1600 + 1000                                        | 2392               |
|                                             |                                                            | 3 x 600 + 1000                                     | 2384               |
| 2600                                        | 2 x 1000 + 600                                             | 1600 + 1200                                        | 2592               |
|                                             |                                                            | 3 x 600 + 1200                                     | 2584               |
| 2800                                        | 2 x 1000 + 800                                             | 4 x 800                                            | 2784               |
| 3000                                        | 3 x 1000                                                   | 3 x 800 + 1000                                     | 2984               |
| 3200                                        | 2 x 1000 + 1200                                            | 3 x 800 + 1200                                     | 3184               |
| 3400                                        | 3 x 800 + 1000                                             | 800 + 3 x 1000                                     | 3384               |
| 3600                                        | 3 x 1200                                                   | 4 x 1000                                           | 3584               |
| 3800                                        | 800 + 3 x 1000                                             | 600 + 3 x 1200                                     | 3784               |
| 4000                                        | 4 x 1000                                                   | 800 + 3 x 1200                                     | 3984               |

# Mounting

## Mounting rails for floor-standing enclosures

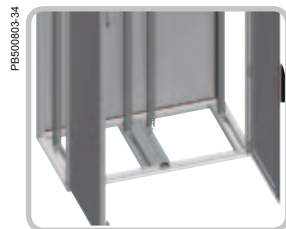
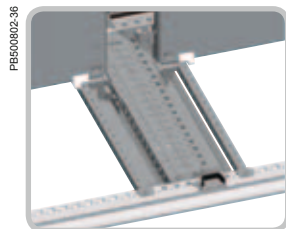
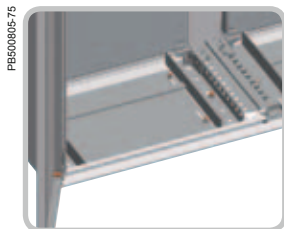


PB500804-45



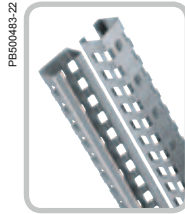
PB500801-45

| Top/bottom adjustment rails                                                                                                                                                                                                                                                                                                                                    | Kit for adapting two-door enclosures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Allows the installation of two mounting plates or vertical uprights in enclosures with a width of 1200 mm, as if in two independent enclosures.</li> <li>A set of mounting plate fixing brackets ref. <b>NSYSMPB</b> is required for this.</li> <li>Optional installation of an intermediate mounting plate.</li> </ul> | <ul style="list-style-type: none"> <li>Allows the installation of two mounting plates as if in two independent enclosures.</li> <li>A set of brackets for fixing mounting plates ref. <b>NSYSMPB</b> is required for this.</li> <li>Option of installing an intermediate mounting plate.</li> <li>Valid for enclosures with widths of 1200 and 1600 mm.</li> <li>In the event of installing a cable-gland plate for a width of 1200 mm, it is necessary to install two with a width of 600 mm, and for widths of 1600 mm, two with a width of 800 mm.</li> </ul> |
| -                                                                                                                                                                                                                                                                                                                                                              | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 2 rails, top and bottom, and fixing elements                                                                                                                                                                                                                                                                                                                   | Two 90 mm cross rails, cable-gland plate support, 2 brackets for central fixing of the roof and fixing elements                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>References</b>                                                                                                                                                                                                                                                                                                                                              | <b>References</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| -                                                                                                                                                                                                                                                                                                                                                              | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| -                                                                                                                                                                                                                                                                                                                                                              | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| -                                                                                                                                                                                                                                                                                                                                                              | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>NSYSTBR3</b>                                                                                                                                                                                                                                                                                                                                                | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>NSYSTBR4</b>                                                                                                                                                                                                                                                                                                                                                | <b>NSYSMP2D4</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>NSYSTBR5</b>                                                                                                                                                                                                                                                                                                                                                | <b>NSYSMP2D5</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>NSYSTBR6</b>                                                                                                                                                                                                                                                                                                                                                | <b>NSYSMP2D6</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| -                                                                                                                                                                                                                                                                                                                                                              | <b>NSYSMP2D8</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

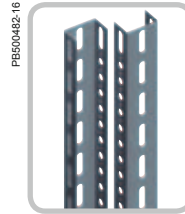


# Mounting

## Uprights for floor-standing enclosures

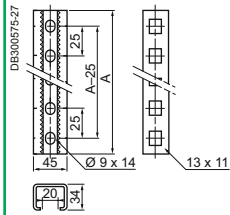


- SM
- SF
- SD
- SMX
- SFX
- SDX
- PLA

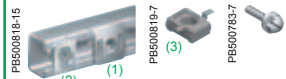


- SM
- SF
- SMX
- SFX

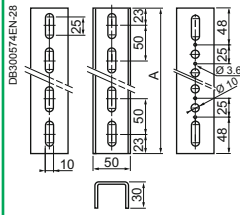
| Characteristics           | Technical uprights                                                                                                                                                                                                                                                                                                                                                                                                   | Standard uprights                                                                                                                                                                                                                                                                     |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           | <ul style="list-style-type: none"> <li>■ Vertical uprights for fixing plates and rails.</li> <li>■ They can be fixed to the fixing brackets of the mounting plate or to the uprightfixing bracket (ref. <b>NSYMFB</b>).</li> <li>■ Adjustable height in steps of 2.5 mm (with quarter-turn nuts, ref. <b>NSYSNM6</b> or <b>NSYSNM8</b>) or 25 mm (with cage nuts, ref. <b>NSYCNM6</b> or <b>NSYCNM8</b>).</li> </ul> | <ul style="list-style-type: none"> <li>■ Vertical uprights for fixing plates and rails.</li> <li>■ They can be fixed on the mounting plate fixing brackets or on the upright fixing bracket, ref. <b>NSYMFB</b>.</li> <li>■ Adjustable height with a pitch of 25 or 50 mm.</li> </ul> |
| Material                  | Galvanised steel                                                                                                                                                                                                                                                                                                                                                                                                     | Galvanised steel                                                                                                                                                                                                                                                                      |
| Thickness                 | 20/10° mm                                                                                                                                                                                                                                                                                                                                                                                                            | 20/10° mm                                                                                                                                                                                                                                                                             |
| Supply                    | 2 standard uprights                                                                                                                                                                                                                                                                                                                                                                                                  | 2 standard vertical uprights                                                                                                                                                                                                                                                          |
| Enclosure dimensions (mm) | Dimensions (mm)                                                                                                                                                                                                                                                                                                                                                                                                      | References                                                                                                                                                                                                                                                                            |
| Height                    | A                                                                                                                                                                                                                                                                                                                                                                                                                    | References                                                                                                                                                                                                                                                                            |
| 750                       | 625                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>NSYTVR7</b>                                                                                                                                                                                                                                                                        |
| 1000*                     | 675                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>NSYTVR8</b>                                                                                                                                                                                                                                                                        |
| 1000                      | 875                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>NSYTVR10</b>                                                                                                                                                                                                                                                                       |
| 1200                      | 1075                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>NSYTVR12</b>                                                                                                                                                                                                                                                                       |
| 1250                      | 1125                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>NSYTVR125</b>                                                                                                                                                                                                                                                                      |
| 1400                      | 1275                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>NSYTVR14</b>                                                                                                                                                                                                                                                                       |
| 1500                      | 1375                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>NSYTVR15</b>                                                                                                                                                                                                                                                                       |
| 1600                      | 1475                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>NSYTVR16</b>                                                                                                                                                                                                                                                                       |
| 1800                      | 1675                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>NSYTVR18</b>                                                                                                                                                                                                                                                                       |
| 2000                      | 1875                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>NSYTVR20</b>                                                                                                                                                                                                                                                                       |
| 2200                      | 2075                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>NSYTVR22</b>                                                                                                                                                                                                                                                                       |



### Nuts and screws for technical uprights



| Model                                    | Supply (units) | References      |
|------------------------------------------|----------------|-----------------|
| M6 quarter-turn sliding nut (1)          | 10             | <b>NSYSNM6</b>  |
| M8 quarter-turn sliding nut (1)          | 10             | <b>NSYSNM8</b>  |
| M6 quarter-turn serrated sliding nut (2) | 10             | <b>NSYSNSM6</b> |
| M8 quarter-turn serrated sliding nut (2) | 10             | <b>NSYSNSM8</b> |
| M6 removable nut (3)                     | 50             | <b>NSYCNM6</b>  |
| M8 removable nut (3)                     | 50             | <b>NSYCNM8</b>  |
| M6 x 12 screw                            | 100            | <b>AF1VA612</b> |
| M6 x 18 screw                            | 100            | <b>AF1VA618</b> |
| M8 x 20 screw                            | 100            | <b>AF1VC820</b> |



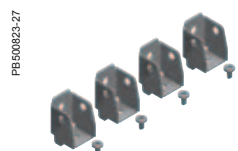
### Nuts and screws for standard uprights



| Model         | Supply (units) | References      |
|---------------|----------------|-----------------|
| M6 flat nut   | 50             | <b>NSYFNM6</b>  |
| M8 flat nut   | 50             | <b>NSYFNM8</b>  |
| M6 x 12 screw | 100            | <b>AF1VA612</b> |
| M6 x 18 screw | 100            | <b>AF1VA618</b> |
| M8 x 20 screw | 100            | <b>AF1VC820</b> |

\* Control desk.  
 (1) M6 quarter-turn sliding nut  
 (2) M6 quarter-turn serrated sliding nut  
 (3) M6 removable nut

### Bracket for fixing uprights



- Brackets for fixing the uprights, standard or technical, at the same level as the structure, obtaining a greater working surface inside the enclosure.
- They allow two pairs of uprights to be fixed back to back, doubling the working surface.
- The brackets are fixed to the structure by means of M6 self-tapping screws.
- Adjustable depth with a pitch of 25 mm.
- **Material:** zinc-coated steel.
- **Supply:** four brackets for fixing uprights and fixing elements.

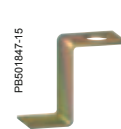
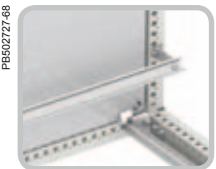
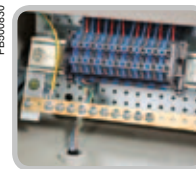
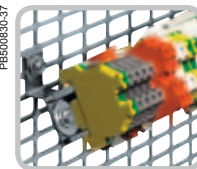
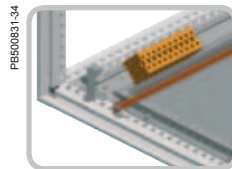
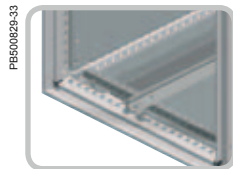
| Reference     |
|---------------|
| <b>NSYMFB</b> |

# Mounting

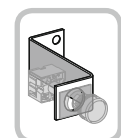
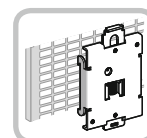
## Other support brackets



| Characteristics   | Rail support bracket                                                                                                                                                                                        | Combined support bracket                                                                                                                                                                                         | Terminal-block support bracket                                                                                   | Combined fixing lugs for the earthing strip                                                                                                                                                                  | Combined support bracket (vertical)                                                                             |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
|                   | Bracket for fixing rails at an angle of 45°.                                                                                                                                                                | Allow the installation of a DIN rail and an earthing strip on different planes, to minimise the cable radiuses.                                                                                                  | <ul style="list-style-type: none"> <li>They allow the mounting of a DIN rail.</li> <li>Tilted to 45°.</li> </ul> | <ul style="list-style-type: none"> <li>They allow the mounting of an earth-collector rail and a DIN rail.</li> <li>Tilted to 30°.</li> <li>Earthing strip, ref. <b>NSYECB1M153</b>. See page 300.</li> </ul> | Allow the installation of a DIN rail and an earthing strip on different planes, to minimise the cable radiuses. |
| Material          | Zinc-coated steel                                                                                                                                                                                           | Zinc-coated steel                                                                                                                                                                                                | Treated steel                                                                                                    | -                                                                                                                                                                                                            | Zinc-coated steel                                                                                               |
| Installation      | <ul style="list-style-type: none"> <li><b>Spacial SF</b>: mounted on the structure and/or mounting plates</li> <li><b>Spacial SM</b>: mounted on the bottom mounting rail and/or mounting plates</li> </ul> | <ul style="list-style-type: none"> <li><b>Spacial SF</b>: directly on the structure and/or using mounting plates</li> <li><b>Spacial SM</b>: on the bottom adjustment rails and/or on mounting plates</li> </ul> | -                                                                                                                | To be fixed on mounting plate.                                                                                                                                                                               | <b>Spacial SF/SM</b> : directly on the vertical structure and/or using mounting plates                          |
| Supply            | Ten units and fixing elements. Reference by unit. Order by multiples of 10 (10, 20, 30...)                                                                                                                  | Ten combined support brackets and fixing elements. Reference by unit. Order by multiples of 10 (10, 20, 30...)                                                                                                   | 2 lugs and fixings                                                                                               | 2 fixing lugs and fixing elements                                                                                                                                                                            | 10 brackets                                                                                                     |
| <b>References</b> | <b>NSYFB45</b>                                                                                                                                                                                              | <b>NSYETF</b>                                                                                                                                                                                                    | <b>NSYEDCO</b>                                                                                                   | <b>NSYEDCOC</b>                                                                                                                                                                                              | <b>DZ5MS10</b>                                                                                                  |



| Characteristics   | Clicked support plate                                                                                                  | Bracket for fixing control units (Ø 22)                                                    |
|-------------------|------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
|                   | For screw mounted equipment. For mounting on 35 mm symmetric and double profile DIN rails or Telequick mounting plate. | To mount any 22 mm diameter device directly on mounting plates.                            |
| Material          | Zinc-plate coated                                                                                                      | -                                                                                          |
| Installation      | -                                                                                                                      | -                                                                                          |
| Supply            | Ten units and fixing elements. Reference by unit. Order by multiples of 10 (10, 20, 30...)                             | Ten units and fixing elements. Reference by unit. Order by multiples of 10 (10, 20, 30...) |
| <b>References</b> | <b>A (mm)</b><br>44 x 65 - 9 screws <b>AX2DL01</b><br>49 x 65 - 4 screws <b>AX2DL02</b>                                | <b>DX1AP52</b>                                                                             |



# Mounting

## Cross rails and profiles for floor-standing enclosures

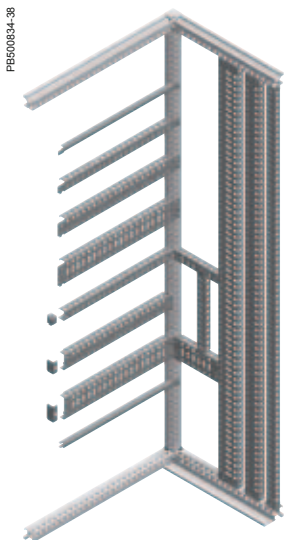
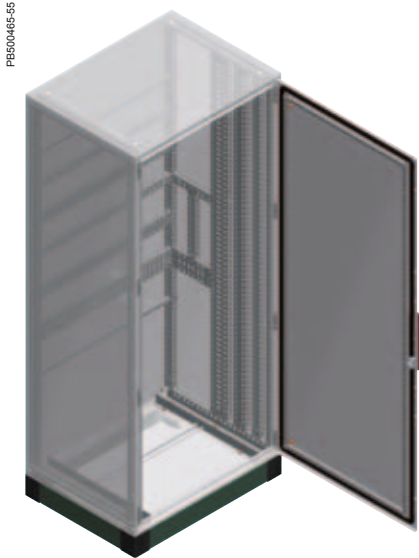


In the **Spacial SF**, **SM**, **SFX** and **SMX** enclosures, it is possible to create a fixing at any point of the inner volume, providing mounting planes with different widths, heights and depths.

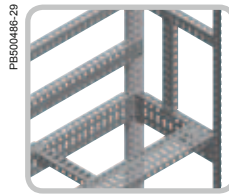
In the case of the **Spacial SM**, it may be necessary to install vertical/horizontal adaptation profiles and 40-mm universal cross rails (1 row).

For the formation of structures inside the enclosure, it is possible to combine three types of cross rails:

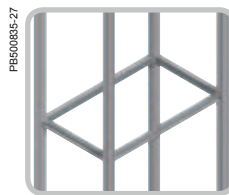
- Universal cross rails of 40 (1 row), 65 (2 rows) and 90 mm (3 rows).
- Quick-fixing cross rails of 40 (1 row), 65 (2 rows) and 90 mm (3 rows).
- Light cross rails.
- Mounting plate sliding rails, see page 225.



### ★ Combination examples



**Spacial SF and SFX:** the cross rails can be fixed to the structure and among each other, offering multiple possibilities.



The universal cross rails allow installations at the same level, around the entire perimeter of the enclosure. To perform this type of installation in a **Spacial SM** enclosure, the vertical adaptation profile and the vertical 40-mm universal cross rail (1 row) are required, mounted in the back of the enclosure.



**Spacial SF:** the universal cross rails can be installed in vertical position.

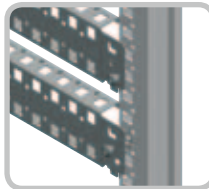
# Mounting

## Cross rails and profiles for floor-standing enclosures



### Combination examples

PB500838-26



The quick-fixing cross rails can be fixed directly to the structure, quickly and easily.

■ **Spacial SF and SFX\*:**

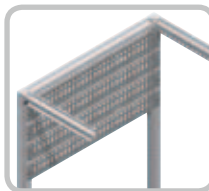
□ They clip onto the structure and are fixed by M6 self-tapping screws, or optionally with M6 caged nuts.

■ **Spacial SM:**

- Possibility of clipping onto the adaptation profile or another cross rail.
- Fixing by means of M6 self-tapping screws.
- Fixing by means of M6 caged nuts.

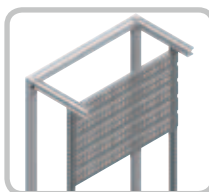
*\* In enclosures Spacial SFX is not possible to mount it in depth.*

PB500839-30



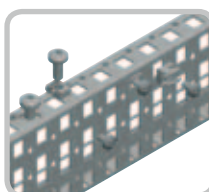
The quick-fixing cross rails can be used as a support for equipment in the back of the enclosure or offset with a pitch of 25 mm, using two universal cross rails in vertical position.

PB500841-24



The 40 mm universal cross rails (1 row) used as depth-adjustable uprights with a pitch of 25 mm allow the installation of a multitude of supports for installing switchgears. The height may be adjusted with a pitch of 25 mm.

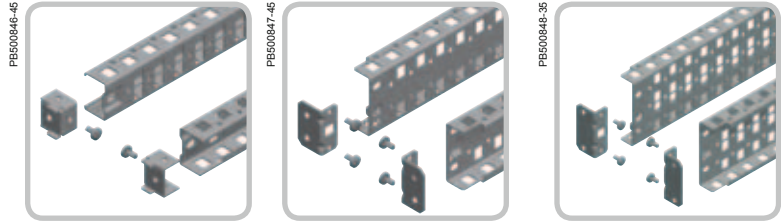
PB500842-30



The main fixing point to the quick-fixing cross rails is the 5.2 mm drill hole for M6 self-tapping screw, although they can also receive M6 and M8 caged nuts.

# Mounting

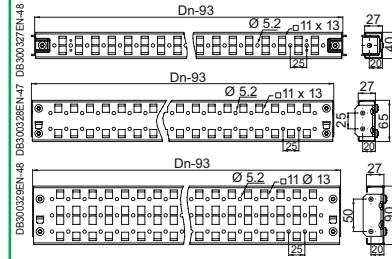
## Cross rails for floor-standing enclosures



### Characteristics

|                  |                                                                                        |
|------------------|----------------------------------------------------------------------------------------|
| <b>Material</b>  | Zinc-coated steel                                                                      |
| <b>Thickness</b> | 15/10° mm                                                                              |
| <b>Supply</b>    | Two universal cross rails, four supports for universal cross rails and fixing elements |

| References       |                           | Universal cross rails |                     |                     |
|------------------|---------------------------|-----------------------|---------------------|---------------------|
| H or W or D (mm) | Maximum load (kg) by rail | 40 mm (1 row)         | 65 mm (2 rows)      | 90 mm (3 rows)      |
| 300              | 70                        | <b>NSYSUCR4030</b>    | -                   | -                   |
|                  | 110                       | -                     | <b>NSYSUCR6530</b>  | -                   |
|                  | 130                       | -                     | -                   | <b>NSYSUCR9030</b>  |
| 400              | 60                        | <b>NSYSUCR4040</b>    | -                   | -                   |
|                  | 100                       | -                     | <b>NSYSUCR6540</b>  | -                   |
|                  | 120                       | -                     | -                   | <b>NSYSUCR9040</b>  |
| 500              | 60                        | <b>NSYSUCR4050</b>    | -                   | -                   |
|                  | 90                        | -                     | <b>NSYSUCR6550</b>  | -                   |
|                  | 120                       | -                     | -                   | <b>NSYSUCR9050</b>  |
| 600              | 50                        | <b>NSYSUCR4060</b>    | -                   | -                   |
|                  | 80                        | -                     | <b>NSYSUCR6560</b>  | -                   |
|                  | 110                       | -                     | -                   | <b>NSYSUCR9060</b>  |
| 800              | 40                        | <b>NSYSUCR4080</b>    | -                   | -                   |
|                  | 70                        | -                     | <b>NSYSUCR6580</b>  | -                   |
|                  | 100                       | -                     | -                   | <b>NSYSUCR9080</b>  |
| 1000             | 30                        | <b>NSYSUCR40100</b>   | -                   | -                   |
|                  | 50                        | -                     | <b>NSYSUCR65100</b> | -                   |
|                  | 70                        | -                     | -                   | <b>NSYSUCR90100</b> |
| 1200             | 20                        | <b>NSYSUCR40120</b>   | -                   | -                   |
|                  | 50                        | -                     | <b>NSYSUCR65120</b> | -                   |
|                  | 70                        | -                     | -                   | <b>NSYSUCR90120</b> |
| 1400             | (1)                       | <b>NSYSUCR40140</b>   | <b>NSYSUCR65140</b> | <b>NSYSUCR90140</b> |
| 1600             | (1)                       | <b>NSYSUCR40160</b>   | <b>NSYSUCR65160</b> | <b>NSYSUCR90160</b> |
| 1800             | (1)                       | <b>NSYSUCR40180</b>   | <b>NSYSUCR65180</b> | <b>NSYSUCR90180</b> |
| 2000             | (1)                       | <b>NSYSUCR40200</b>   | <b>NSYSUCR65200</b> | <b>NSYSUCR90200</b> |
| 2200             | (1)                       | <b>NSYSUCR40220</b>   | <b>NSYSUCR65220</b> | <b>NSYSUCR90220</b> |



(1) For vertical assembly only.

**+** The universal cross rails allow any type of installation to be performed.

### Other dimensions

- For assembly in other positions, and between cross rails.
- **Material:** zinc-coated steel.
- **Thickness:** 15/10° mm.
- **Supply:** two universal cross rails, four supports for universal cross rails and fixing elements.

| H or W or D (mm) | Maximum load (kg) by rail | References          | 90 mm (3 rows)      |
|------------------|---------------------------|---------------------|---------------------|
| 700              | 50                        | <b>NSYSUCR4070</b>  | -                   |
|                  | 110                       | -                   | <b>NSYSUCR9070</b>  |
| 900              | 40                        | <b>NSYSUCR4090</b>  | -                   |
|                  | 100                       | -                   | <b>NSYSUCR9090</b>  |
| 1100             | 30                        | <b>NSYSUCR40110</b> | -                   |
|                  | 70                        | -                   | <b>NSYSUCR90110</b> |

(2) Cross rails only for fixing cables.

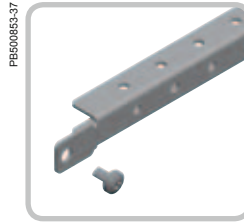




# Mounting

## Cross rails for floor-standing enclosures

SM SF SFX

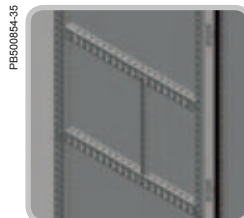
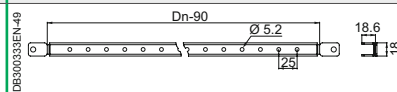


### Characteristics

### Light cross rails

- **Spacial SF and SFX:** direct fixing to the structure or between cross rails.
- **Spacial SM:** fixing by means of adaptation profiles and 40 mm universal cross rails (1 row), or between cross rails in any other position.
- Adjustable with a pitch of 25 mm.
- The light cross rails are equipped with a row of drill holes with a diameter of 5.2 mm and a pitch of 25 mm, which allows fixing with an M6 self-tapping screw, ref. **NSYST30M6S**.

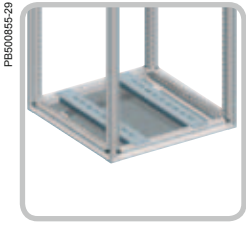
|                         |                                           |
|-------------------------|-------------------------------------------|
| Material                | Zinc-coated steel                         |
| Thickness               | -                                         |
| Supply                  | Two light cross rails and fixing elements |
| <b>Width/Depth (mm)</b> | <b>References</b>                         |
| 400                     | <b>NSYSLCR40</b>                          |
| 500                     | <b>NSYSLCR50</b>                          |
| 600                     | <b>NSYSLCR60</b>                          |
| 800                     | <b>NSYSLCR80</b>                          |
| <b>Depth (mm)</b>       |                                           |
| 400                     | -                                         |
| 500                     | -                                         |
| 600                     | -                                         |
| 800                     | -                                         |



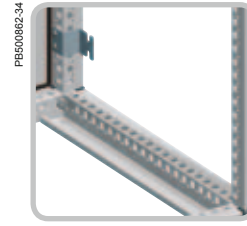
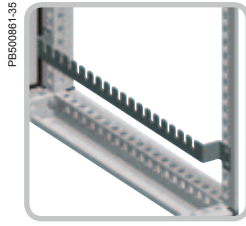
# Mounting

## Cross rails for floor-standing enclosures

SF



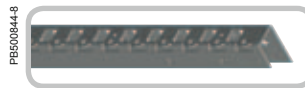
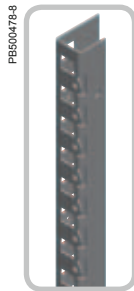
SF



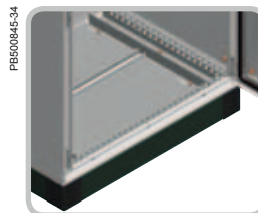
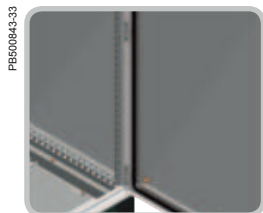
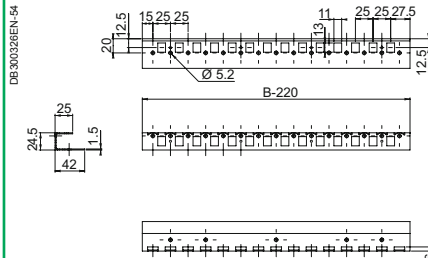
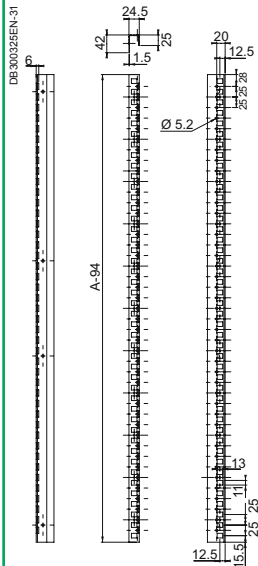
| Rails for heavy loads                                                                                                                                                                                                                                                                     |                   | Cross rail for Lütze chassis                                        | Support for Lütze chassis                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------------------------------------------------------|--------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>They can be mounted with a cable-gland plate or with a previously mounted mounting plate.</li> <li>Laterally adjustable with a pitch of 25 mm.</li> <li>Elongated holes, for adjusting the centre-to-centre distance of the switchgear.</li> </ul> |                   | Cross rail for fixing and adjusting the depth of the Lütze chassis. | Support for installing Lütze chassis in the back of the enclosure. |
| Galvanised steel                                                                                                                                                                                                                                                                          |                   | Galvanised steel                                                    | Galvanised steel                                                   |
| 40/10° mm                                                                                                                                                                                                                                                                                 |                   | 25/10° mm                                                           | 25/10° mm                                                          |
| 2 rails for heavy loads and fixing elements                                                                                                                                                                                                                                               |                   | 6 cross rails for Lütze chassis and fixing elements                 | 6 supports and fixing elements                                     |
| -                                                                                                                                                                                                                                                                                         | -                 | -                                                                   | -                                                                  |
| -                                                                                                                                                                                                                                                                                         | -                 | -                                                                   | -                                                                  |
| -                                                                                                                                                                                                                                                                                         | -                 | -                                                                   | -                                                                  |
| -                                                                                                                                                                                                                                                                                         | -                 | -                                                                   | -                                                                  |
| <b>Maximum load (kg)</b>                                                                                                                                                                                                                                                                  | <b>References</b> | <b>References</b>                                                   | <b>Reference</b>                                                   |
| 575                                                                                                                                                                                                                                                                                       | NSYHLCR40         | NSYLCR40                                                            | NSYLSUP                                                            |
| 525                                                                                                                                                                                                                                                                                       | NSYHLCR50         | NSYLCR50                                                            |                                                                    |
| 500                                                                                                                                                                                                                                                                                       | NSYHLCR60         | NSYLCR60                                                            |                                                                    |
| 475                                                                                                                                                                                                                                                                                       | NSYHLCR80         |                                                                     |                                                                    |
|                                                                                                                                                                                                                                                                                           |                   |                                                                     |                                                                    |

# Mounting Profiles for floor-standing enclosures

SM



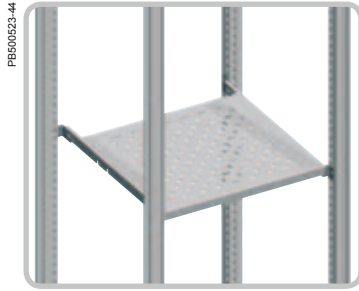
| Characteristics        | Vertical adaptation profiles                                                                                                                                                                                                                                             | Horizontal adaptation profiles                                                                                                               |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
|                        | <ul style="list-style-type: none"> <li>The vertical adaptation profiles provide fixing points at the entrance to the enclosure.</li> <li>Fixing on the screws of the hinge and catches of the lock.</li> <li>Allows the depthwise fixing of cross rails, etc.</li> </ul> | <ul style="list-style-type: none"> <li>The horizontal adaptation profiles provide fixing points at the entrance to the enclosure.</li> </ul> |
| Material               | Zinc-coated steel                                                                                                                                                                                                                                                        | Zinc-coated steel                                                                                                                            |
| Thickness              | 15/10 <sup>o</sup> mm                                                                                                                                                                                                                                                    | 15/10 <sup>o</sup> mm                                                                                                                        |
| Supply                 | 2 vertical adaptation profiles and fixing screws                                                                                                                                                                                                                         | 2 horizontal adaptation profiles and fixing screws                                                                                           |
| <b>Dimensions (mm)</b> | <b>References</b>                                                                                                                                                                                                                                                        |                                                                                                                                              |
| <b>Height (A)</b>      |                                                                                                                                                                                                                                                                          |                                                                                                                                              |
| 1200                   | <b>NSYSMVR12</b>                                                                                                                                                                                                                                                         | -                                                                                                                                            |
| 1400                   | <b>NSYSMVR14</b>                                                                                                                                                                                                                                                         | -                                                                                                                                            |
| 1600                   | <b>NSYSMVR16</b>                                                                                                                                                                                                                                                         | -                                                                                                                                            |
| 1800                   | <b>NSYSMVR18</b>                                                                                                                                                                                                                                                         | -                                                                                                                                            |
| 2000                   | <b>NSYSMVR20</b>                                                                                                                                                                                                                                                         | -                                                                                                                                            |
| <b>Width (B)</b>       |                                                                                                                                                                                                                                                                          |                                                                                                                                              |
| 600                    | -                                                                                                                                                                                                                                                                        | <b>NSYSMHR6</b>                                                                                                                              |
| 800                    | -                                                                                                                                                                                                                                                                        | <b>NSYSMHR8</b>                                                                                                                              |
| 1000                   | -                                                                                                                                                                                                                                                                        | <b>NSYSMHR10</b>                                                                                                                             |
| 1200                   | -                                                                                                                                                                                                                                                                        | <b>NSYSMHR12</b>                                                                                                                             |
| 1600                   | -                                                                                                                                                                                                                                                                        | <b>NSYSMHR16</b>                                                                                                                             |



# Mounting Trays

SM

SF



Tray installed on the structure.



Telescopic rails fixed to the structure.

| Characteristics                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       | Fixed tray                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            | Telescopic rails                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       | <ul style="list-style-type: none"> <li>Options for fixing the tray to the enclosure:                             <ul style="list-style-type: none"> <li>If the tray has the same dimensions as the enclosure:                                     <ul style="list-style-type: none"> <li><b>Spacial SF</b>: direct fixing to the structure.</li> <li><b>Spacial SFX</b>: installation possible only with universal cross rails, see on page 232.</li> <li><b>Spacial SM</b>: fixing by means of adaptation profiles and 40-mm universal cross rails (1 row) in vertical position.                                             <ul style="list-style-type: none"> <li>If the tray is smaller than the dimensions of the enclosure: fixing on depth cross rails.</li> <li>Depth-adjustable tray with a pitch of 25 mm.</li> </ul> </li> </ul> </li> <li>Provided with cut-outs for improving air circulation inside.</li> </ul> </li></ul> |            | <ul style="list-style-type: none"> <li><b>Spacial SF</b>: installation directly on the structure of the enclosure or on universal cross rails.</li> <li><b>Spacial SFX</b>: installation possible only with universal cross rails, see on page 232.</li> <li><b>Spacial SM</b>: installation by means of adaptation profiles and 40-mm universal cross rails (1 row) in vertical position, or on horizontal universal cross rails.</li> <li>The installation of a telescopic tray consists of the following:                             <ul style="list-style-type: none"> <li>1 fixed tray.</li> <li>2 telescopic rails.</li> <li>End-of-travel stop of the rails in open and closed position.</li> </ul> </li> </ul> |  |
| Material                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |       | Steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            | Zinc-coated steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
| Finish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       | Painted with epoxy-polyester resin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
| Colour                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       | RAL 7035 grey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
| Maximum load                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       | 150 kg evenly distributed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            | 50 kg evenly distributed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| Supply                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       | One fixed tray and fixing elements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            | Two telescopic rails and fixing elements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| Depth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Width | Tray dimensions (mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | References | References                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| 400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 600   | 482 x 290 x 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NSYFXT6040 | NSYTTG40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 800   | 682 x 290 x 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NSYFXT8040 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| 500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 600   | 482 x 390 x 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NSYFXT6050 | NSYTTG50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 800   | 682 x 390 x 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NSYFXT8050 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| 600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 600   | 482 x 490 x 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NSYFXT6060 | NSYTTG60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 800   | 682 x 490 x 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NSYFXT8060 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| <div style="background-color: #333; color: white; padding: 5px;"> <b>Handle for telescopic trays</b> </div> <div style="display: flex; align-items: center; margin-top: 5px;"> <div> <ul style="list-style-type: none"> <li>Designed for easy extraction of the sliding trays.</li> <li><b>Material</b>: polyamide 6 (black).</li> <li><b>Supply</b>: two units and fixing elements.</li> </ul> </div> </div> <div style="margin-top: 5px;"> <p>Reference</p> <p><b>NSY1TH</b></p> </div> |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |

Withstands loads of up to 150 kg.

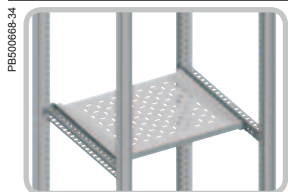
SM

SF

SMX

SFX

## Tray cross rails



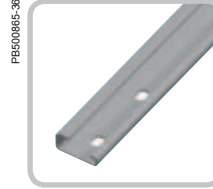
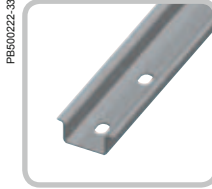
Tray installed on cross rails.



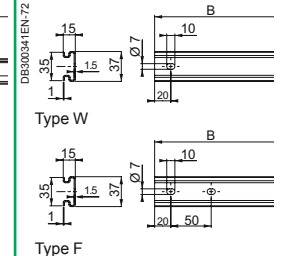
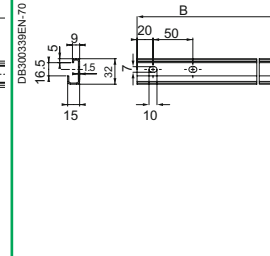
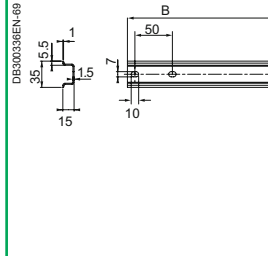
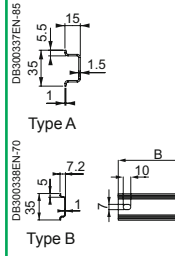
Allow the installation of fixed trays and telescopic rails. Quick and universal cross rails, see page 232.

| Dimensions (mm) | Universal cross rail | Quick-fixing cross rail |
|-----------------|----------------------|-------------------------|
| <b>Depth</b>    | 40 mm (1 row)        | 40 mm (1 row)           |
| 400             | NSYSUCR4040          | NSYSQCR4040             |
| 500             | NSYSUCR4050          | NSYSQCR4050             |
| 600             | NSYSUCR4060          | NSYSQCR4060             |
| 800             | NSYSUCR4080          | NSYSQCR4080             |

# Mounting Rails

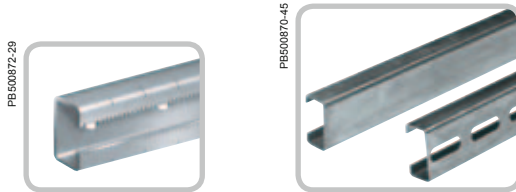


| Characteristics           | Symmetric mounting rail for the wall-mounting enclosures                                                                       | Symmetric DIN rails for floor-standing enclosures                                                                              | Asymmetric DIN rails for the floor-standing enclosures                                                                         | Double-profile DIN rails                                                                                                                 |           |            |           |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|-----------|
|                           | 2 types:<br>■ Type A: 35 x 15 mm.<br>■ Type B: 35 x 7.5 mm.                                                                    | Ensure horizontal continuity in case of enclosure assembly.<br>Rail type:<br>■ Type A: 35 x 15 mm.                             | Ensure horizontal continuity in the case of enclosure assembly.                                                                | ■ They combine the advantages of symmetric and asymmetric rails.<br>■ Quick installation of terminals according to standard DIN 46277/1. |           |            |           |
| Material                  | Zinc-coated steel                                                                                                              | Zinc-coated steel                                                                                                              | Zinc-coated steel                                                                                                              | Zinc-coated steel                                                                                                                        |           |            |           |
| Standards                 | IEC 715                                                                                                                        | IEC 715                                                                                                                        | IEC 715                                                                                                                        | -                                                                                                                                        |           |            |           |
| Thickness                 | ■ Type A: 15/10° mm<br>■ Type B: 10/10° mm                                                                                     | 15/10° mm                                                                                                                      | 15/10° mm                                                                                                                      | 15/10° mm                                                                                                                                |           |            |           |
| Fixing                    | Fixed to mounting plates or another fixing elements, uprights not included in the supply                                       | Fixed to the standard or technical uprights (see page 228) or directly to the structure                                        | Fixed to the standard or technical uprights (see page 228) or directly to the structure                                        | Fixed to the standard or technical uprights (see page 228) or directly to the structure                                                  |           |            |           |
| Supply                    | 10 rails and fixings for direct assembling to the structure. References by unit. Order by multiples of 10 units (10, 20, etc.) | 10 rails and fixings for direct assembling to the structure. References by unit. Order by multiples of 10 units (10, 20, etc.) | 10 rails and fixings for direct assembling to the structure. References by unit. Order by multiples of 10 units (10, 20, etc.) | 10 rails and fixings for direct assembling to the structure. References by unit. Order by multiples of 10 units (10, 20, etc.)           |           |            |           |
| Dimensions (mm)           | Type                                                                                                                           | References                                                                                                                     | References                                                                                                                     | References                                                                                                                               | Type      | References |           |
| Enclosure Rail length (B) |                                                                                                                                |                                                                                                                                |                                                                                                                                |                                                                                                                                          |           |            |           |
| 300                       | 250                                                                                                                            | B                                                                                                                              | NSYSDR30B                                                                                                                      | -                                                                                                                                        | -         | W*         | NSYDPR25  |
| 400                       | 350                                                                                                                            | B                                                                                                                              | NSYSDR40B                                                                                                                      | -                                                                                                                                        | -         | W*         | NSYDPR35  |
| 500                       | 450                                                                                                                            | A                                                                                                                              | NSYSDR50A                                                                                                                      | -                                                                                                                                        | -         | W*         | NSYDPR45  |
| 600                       | 550                                                                                                                            | A                                                                                                                              | NSYSDR60A                                                                                                                      | -                                                                                                                                        | -         | W*         | NSYDPR55  |
|                           | 588                                                                                                                            | -                                                                                                                              | -                                                                                                                              | NSYSDR60                                                                                                                                 | NSYADR60  | F**        | NSYDPR60  |
| 700                       | 650                                                                                                                            | -                                                                                                                              | -                                                                                                                              | -                                                                                                                                        | -         | W*         | NSYDPR65  |
| 800                       | 750                                                                                                                            | A                                                                                                                              | NSYSDR80A                                                                                                                      | -                                                                                                                                        | -         | W*         | NSYDPR75  |
|                           | 788                                                                                                                            | -                                                                                                                              | -                                                                                                                              | NSYSDR80                                                                                                                                 | NSYADR80  | F**        | NSYDPR80  |
| 1000                      | 950                                                                                                                            | A                                                                                                                              | NSYSDR100A                                                                                                                     | -                                                                                                                                        | -         | -          | -         |
|                           | 988                                                                                                                            | -                                                                                                                              | -                                                                                                                              | NSYSDR100                                                                                                                                | NSYADR100 | F**        | NSYDPR100 |
| 1200                      | 1188                                                                                                                           | -                                                                                                                              | -                                                                                                                              | NSYSDR120                                                                                                                                | NSYADR120 | F**        | NSYDPR120 |

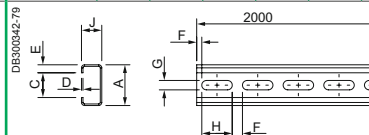
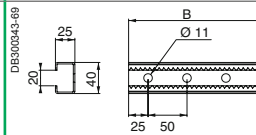


\* For wall-mounting enclosure. \*\* For floor-standing enclosure. (1) Not perforated.

# Mounting Rails



| Characteristics | Serrated C-shaped rail for heavy loads                         | Symmetric C-shaped rails                                                                                                   |                 |    |    |     |     |    |     |        |            |                |
|-----------------|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------|----|----|-----|-----|----|-----|--------|------------|----------------|
|                 | Marked in steps of 25 mm to facilitate switchgear positioning. | Rails for supporting and fixing switchgear on panels and enclosures, formation of chassis, racks and panel reinforcements. |                 |    |    |     |     |    |     |        |            |                |
| Material        | Zinc-coated steel                                              | Galvanised steel                                                                                                           |                 |    |    |     |     |    |     |        |            |                |
| Standards       | -                                                              | -                                                                                                                          |                 |    |    |     |     |    |     |        |            |                |
| Thickness       | 20/10 <sup>e</sup> mm                                          | -                                                                                                                          |                 |    |    |     |     |    |     |        |            |                |
| Fixing          | -                                                              | They are fixed to the structure and to one another by means of fixing elements                                             |                 |    |    |     |     |    |     |        |            |                |
| Supply          | 2 rails with a length of 2 m                                   | References by unit. Order by multiples of the units specified in the supply                                                |                 |    |    |     |     |    |     |        |            |                |
| Dimensions (mm) | References                                                     | Type                                                                                                                       | Dimensions (mm) |    |    |     |     |    |     | Supply | References |                |
| Rail length (B) |                                                                |                                                                                                                            | A               | J  | C  | D   | E   | F  | G   | H      |            |                |
| 1500            | <b>AM1EC115</b>                                                | -                                                                                                                          | -               | -  | -  | -   | -   | -  | -   | -      | -          | -              |
| 2000            | <b>AM1EC200</b>                                                | C20 (1)                                                                                                                    | 21              | 11 | 10 | 1.5 | 5.5 | -  | -   | -      | 20         | <b>NSYCN20</b> |
|                 |                                                                | C20                                                                                                                        | 21              | 11 | 10 | 1.5 | 5.5 | 5  | 6.2 | 15     | 20         | <b>NSYCN20</b> |
|                 |                                                                | C40 (1)                                                                                                                    | 40              | 20 | 24 | 1.5 | 8   | -  | -   | -      | 20         | <b>NSYCN40</b> |
|                 |                                                                | C40                                                                                                                        | 40              | 20 | 24 | 1.5 | 8   | 10 | 8.5 | 30     | 20         | <b>NSYCN40</b> |



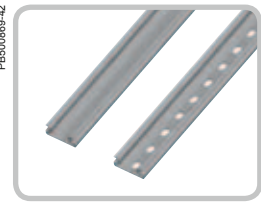
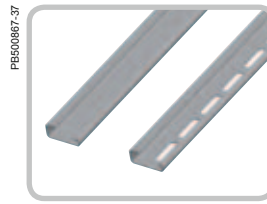
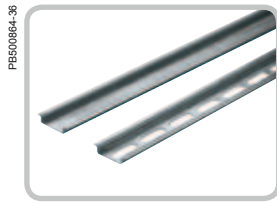
\* For wall-mounting enclosure. \*\* For floor-standing enclosure.  
(1) Not perforated.

## Nuts for symmetric C-shaped rails



| Characteristics |           | Combiplas nut |                 | Metal sliding nut |                |
|-----------------|-----------|---------------|-----------------|-------------------|----------------|
| Rail type       | Nuts type | Supply        | References      | Supply            | References     |
| C20             | M3        | -             | -               | -                 | -              |
|                 | M4        | 100           | <b>NSYBN204</b> | 100               | <b>NSYB204</b> |
|                 | M6        | 100           | <b>NSYBN206</b> | -                 | -              |
| C40             | M4        | 50            | <b>NSYBN404</b> | 100               | <b>NSYB404</b> |
|                 | M6        | 50            | <b>NSYBN406</b> | -                 | -              |
|                 | M8        | 50            | <b>NSYBN408</b> | -                 | -              |
| C60             | M6        | 20            | <b>NSYBN606</b> | 100               | <b>NSYB406</b> |
|                 | M8        | 20            | <b>NSYBN608</b> | -                 | -              |
|                 | M10       | 20            | <b>NSYBN610</b> | -                 | -              |

# Mounting 2000 mm rails

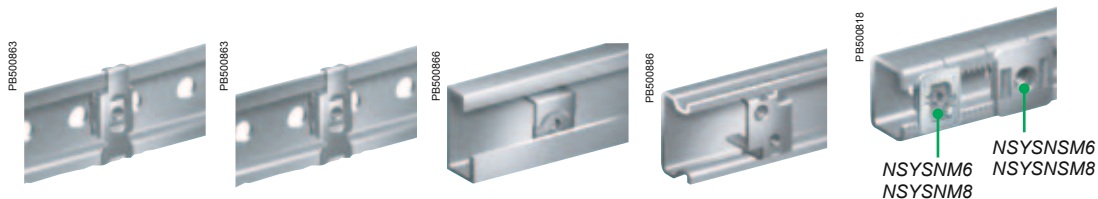


| Characteristics |                | Symmetric rails                                  |      |        |                    | Asymmetric DIN rails                                                                                | Double-profile DIN rails                                                                            |
|-----------------|----------------|--------------------------------------------------|------|--------|--------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Material        |                | Galvanized steel, zinc-coated steel or aluminium |      |        |                    | Galvanized steel                                                                                    | Galvanized steel                                                                                    |
| Thickness       |                | -                                                |      |        |                    | -                                                                                                   | 15/10° mm                                                                                           |
| Supply          |                | -                                                |      |        |                    | 20 rails with a length of 2 m.<br>References by unit. Order by multiples of 20 units (20, 40, etc.) | 20 rails with a length of 2 m.<br>References by unit. Order by multiples of 20 units (20, 40, etc.) |
| Length (mm)     | Perforations   | Material                                         | Type | Supply | References         | References                                                                                          | References                                                                                          |
| 2000            | Perforated     | Galvanized steel                                 | A    | 20     | <b>NSYSDR200D</b>  | <b>NSYADR200D</b>                                                                                   | <b>NSYDPR200D</b><br><b>NSYDPR200T*</b>                                                             |
|                 |                |                                                  | B    | 20     | <b>NSYSDR200BD</b> |                                                                                                     |                                                                                                     |
|                 | Not perforated | Galvanized steel                                 | A    | 20     | <b>NSYSDR200</b>   | <b>NSYADR200</b>                                                                                    | <b>NSYDPR200</b>                                                                                    |
|                 |                |                                                  | B    | 20     | <b>NSYSDR200B</b>  |                                                                                                     |                                                                                                     |
|                 |                | Zinc-coated steel                                | C    | 6      | <b>AM1DL201</b>    |                                                                                                     |                                                                                                     |
|                 |                | Aluminium                                        | D    | 10     | <b>AM1EA200</b>    |                                                                                                     |                                                                                                     |
|                 |                |                                                  |      |        |                    |                                                                                                     |                                                                                                     |

\* 10/10° mm thickness.



# Mounting Rail accessories



| Characteristics | Nuts                |                                         |                                           |                              |                             |
|-----------------|---------------------|-----------------------------------------|-------------------------------------------|------------------------------|-----------------------------|
|                 | For symmetric rails | For symmetric rails 2000 mm version     | For asymmetric DIN rails, 2000 mm version | For double-profile DIN rails | For serrated C-shaped rails |
|                 | Clip-on nut.        | Clip-on nut.<br>Only for types A and B. | Quarter-turn sliding nut.                 | Quarter-turn sliding nut.    | Quarter-turn sliding nuts.  |
| Supply          | 100                 | 100                                     | 100                                       | 100                          | 10                          |
| Type            | References          |                                         |                                           |                              |                             |
| M3              | -                   | -                                       | -                                         | AF1CF34                      | -                           |
| M4              | AF1GC4              | AF1GC4                                  | DZ5ME5                                    | AF1CF34                      | -                           |
| M5              | AF1GC5              | AF1GC5                                  | DZ5ME8                                    | AF1CF56                      | -                           |
| M6              | AF1GC6              | AF1GC6                                  | DZ5ME9                                    | AF1CF56                      | NSYSNM6 NSYSNSM6            |
| M8              | -                   | -                                       | -                                         | -                            | NSYSNM8 NSYSNSM8            |

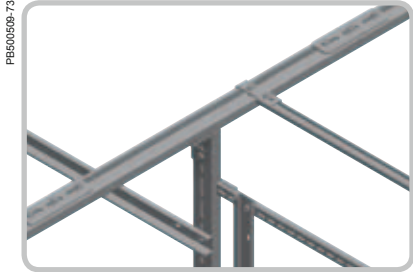
# Mounting

## Connectors for symmetric C-shaped rails

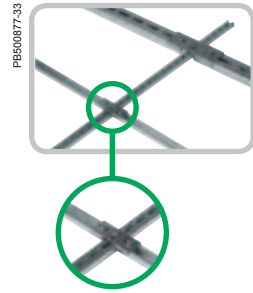
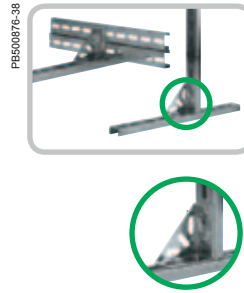
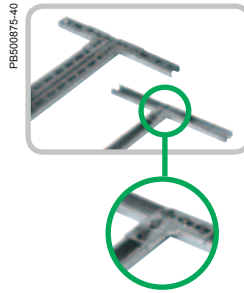


### Examples

#### Combinations with connectors for symmetric C-shaped rails



- The connectors enable the formation of chassis or frames and structures for fixing switchgear, in any position inside the enclosures, allowing the fixing of DIN rails or other elements.
- See symmetric C-shaped rails.



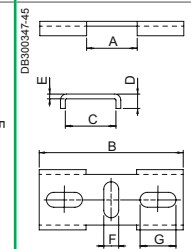
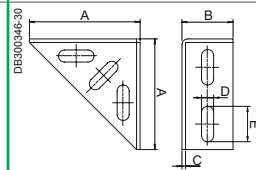
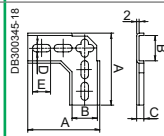
| Characteristics | EMA connectors | EVA connectors | UCA connectors |
|-----------------|----------------|----------------|----------------|
|-----------------|----------------|----------------|----------------|

|  |                                                                                                                                 |                                                                                                                                                                                                 |                                                                                                                                                            |
|--|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | To joint two symmetric C-shaped rails, C20 and C40 types, at right angles; they can also be used to obtain a T-shaped assembly. | To join two symmetric C-shaped rails, C20 and C40 types, forming an overlapping assembly with plane change, or also at right angles for the formation of spacers supports at a different level. | To join symmetric C-shaped rails, types C20 and C40, forming a cross-shaped assembly of three rails located on the same plane, for example inside a frame. |
|--|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|

|           |                                                                                       |                                                                                       |                                                                                       |
|-----------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Material  | Zinc-coated steel                                                                     |                                                                                       |                                                                                       |
| Thickness | 20/10 <sup>o</sup> mm                                                                 | -                                                                                     | -                                                                                     |
| Supply    | 20 units.<br>References by unit.<br>Order by multiples of 20 units (20, 40, 60, etc.) | 20 units.<br>References by unit.<br>Order by multiples of 20 units (20, 40, 60, etc.) | 20 units.<br>References by unit.<br>Order by multiples of 20 units (20, 40, 60, etc.) |

| Dimensions (mm) |   |   |   |   |   |   |   |  | References |  |  |
|-----------------|---|---|---|---|---|---|---|--|------------|--|--|
| A               | B | C | D | E | F | G | H |  |            |  |  |

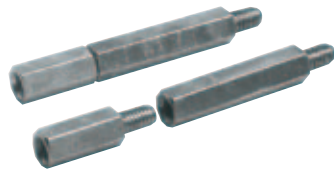
|      |      |      |     |     |     |     |    |  |                 |                 |                 |
|------|------|------|-----|-----|-----|-----|----|--|-----------------|-----------------|-----------------|
| 60   | 21.3 | 6    | 6.2 | 15  | -   | -   | -  |  | <b>NSYEMA20</b> | -               | -               |
| 100  | 40.3 | 10   | 8.5 | 25  | -   | -   | -  |  | <b>NSYEMA40</b> | -               | -               |
| 43   | 19   | 2    | 6.2 | 15  | -   | -   | -  |  | -               | <b>NSYEVA20</b> | -               |
| 78   | 36   | 2.5  | 8.5 | 25  | -   | -   | -  |  | -               | <b>NSYEVA40</b> | -               |
| 21.3 | 60   | 21.3 | 6   | 2   | 6.2 | 15  | -  |  | -               | -               | <b>NSYUCA22</b> |
| 40.3 | 116  | 40.3 | 10  | 2.5 | 8.5 | 25  | -  |  | -               | -               | <b>NSYUCA44</b> |
| 21.3 | 21.5 | 53.5 | 8   | 2   | 6.2 | 15  | -  |  | -               | -               | -               |
| 21.3 | 40.5 | 72.5 | 8   | 2   | 6.2 | 15  | -  |  | -               | -               | -               |
| 40.3 | 40.5 | 81   | 10  | 2.5 | 8.5 | 25  | -  |  | -               | -               | -               |
| 21.3 | 21.5 | 8    | 2   | 6.2 | 15  | 6.2 | 15 |  | -               | -               | -               |
| 21.3 | 40.5 | 8    | 2   | 6.2 | 15  | 6.2 | 13 |  | -               | -               | -               |
| 40.3 | 40.5 | 10   | 2.5 | 8.5 | 25  | 8.5 | 25 |  | -               | -               | -               |
| 60   | 18   | 2    | 20  | 15  | 5   | -   | -  |  | -               | -               | -               |
| 130  | 36   | 3    | 40  | 30  | 10  | -   | -  |  | -               | -               | -               |
| 130  | 55   | 3    | 40  | 30  | 10  | -   | -  |  | -               | -               | -               |
| 54   | 54   | 2    | 20  | 20  | 5   | -   | -  |  | -               | -               | -               |
| 60   | 80   | 2    | 20  | 25  | 8   | -   | -  |  | -               | -               | -               |
| 80   | 110  | 2    | 20  | 29  | 10  | -   | -  |  | -               | -               | -               |





# Mounting Spacers

PB500778-55



PB500884-53



| Characteristics | Hexagonal spacers                                                                                                                                                                                                                                       | ETU modular spacers                                                                                                               |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
|                 | <ul style="list-style-type: none"> <li>Hexagonal spacers for raising switchgear, mounting plates, etc. They can be linked together to achieve variable heights with gradual elevation.</li> <li>Their assembly requires M6 or M8 caged nuts.</li> </ul> | Modular spacers for installing devices or rails at a different level from that achieved with the basic chassis or mounting plate. |
| Material        | -                                                                                                                                                                                                                                                       | Zinc-coated steel                                                                                                                 |
| Installation    | If used to raise a mounting plate, the maximum load of the mounting plate is decreased                                                                                                                                                                  | -                                                                                                                                 |
| Supply          | 100 hexagonal connectors. References by unit. Order by multiples of 100 units (100, 200, 300, etc.)                                                                                                                                                     | 20 units. References by unit. Order by multiples of 20 units (20, 40, 60, etc.)                                                   |

| References |                 |                        |           |        |        |           |
|------------|-----------------|------------------------|-----------|--------|--------|-----------|
|            | Thread type (R) | Spacer height (mm) (A) |           | A (mm) | B (mm) |           |
|            | M5              | 10                     | NSYE1025  | 48     | 25     | NSYETU48  |
|            | M5              | 15                     | NSYE1525  | 58     | 25     | NSYETU58  |
|            | M5              | 20                     | NSYE2025  | 79     | 55     | NSYETU79  |
|            | M6              | 10                     | NSYEX106  | 118    | 55     | NSYETU118 |
|            | M6              | 12                     | NSYEX126  |        |        |           |
|            | M6              | 14                     | NSYEX146  |        |        |           |
|            | M6              | 16                     | NSYEX166  |        |        |           |
|            | M6              | 18                     | NSYEX186  |        |        |           |
|            | M6              | 20                     | NSYEX206  |        |        |           |
|            | M6              | 30                     | NSYEX306  |        |        |           |
|            | M6              | 40                     | NSYEX406  |        |        |           |
|            | M6              | 50                     | NSYEX506  |        |        |           |
|            | M6              | 100                    | NSYEX1006 |        |        |           |
|            | M8              | 15                     | NSYEX158  |        |        |           |
|            | M8              | 20                     | NSYEX208  |        |        |           |
|            | M8              | 30                     | NSYEX308  |        |        |           |
|            | M8              | 40                     | NSYEX408  |        |        |           |
|            | M8              | 50                     | NSYEX508  |        |        |           |
|            | M8              | 60                     | NSYEX608  |        |        |           |
|            | M8              | 100                    | NSYEX1008 |        |        |           |

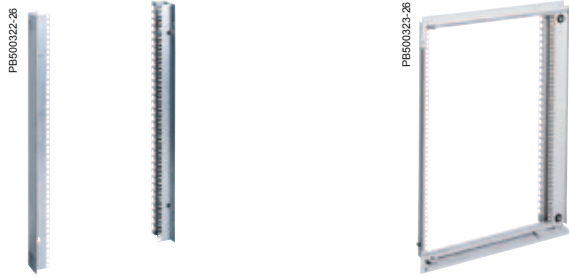
| Combination of spacers | Minimum height (mm) | Maximum height (mm) |
|------------------------|---------------------|---------------------|
| NSYETU48 + NSYETU48    | 53                  | 64                  |
| NSYETU48 + NSYETU58    | 63                  | 74                  |
| NSYETU48 + NSYETU79    | 85                  | 95                  |
| NSYETU48 + NSYETU118   | 124                 | 134                 |
| NSYETU58 + NSYETU58    | 73                  | 84                  |
| NSYETU58 + NSYETU79    | 94                  | 104                 |
| NSYETU58 + NSYETU118   | 134                 | 144                 |
| NSYETU79 + NSYETU79    | 84                  | 125                 |
| NSYETU79 + NSYETU118   | 124                 | 164                 |
| NSYETU118 + NSYETU118  | 164                 | 204                 |

| Thread type (R) | Spacer height (mm) (A) |           |
|-----------------|------------------------|-----------|
| M5              | 10                     | NSYE1025  |
| M5              | 15                     | NSYE1525  |
| M5              | 20                     | NSYE2025  |
| M6              | 10                     | NSYEX106  |
| M6              | 12                     | NSYEX126  |
| M6              | 14                     | NSYEX146  |
| M6              | 16                     | NSYEX166  |
| M6              | 18                     | NSYEX186  |
| M6              | 20                     | NSYEX206  |
| M6              | 30                     | NSYEX306  |
| M6              | 40                     | NSYEX406  |
| M6              | 50                     | NSYEX506  |
| M6              | 100                    | NSYEX1006 |
| M8              | 15                     | NSYEX158  |
| M8              | 20                     | NSYEX208  |
| M8              | 30                     | NSYEX308  |
| M8              | 40                     | NSYEX408  |
| M8              | 50                     | NSYEX508  |
| M8              | 60                     | NSYEX608  |
| M8              | 100                    | NSYEX1008 |

# Mounting 19" Chassis

S3D S3X



| Characteristics | 19" fixed chassis for wall-mounting enclosure                                                                                                                                        |            | 19" swing chassis for wall-mounting enclosure                             |             |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------------------------------------------------------------------|-------------|
|                 | <ul style="list-style-type: none"> <li>19" fixed chassis comprising 2 19" uprights with fixing.</li> <li>Adjustable in depth by fixing on the step slides in accessories.</li> </ul> |            | 19" swing chassis opening to 120° with closure by 3 mm double bar insert. |             |
| Material        | Galvanized steel                                                                                                                                                                     |            | Steel                                                                     |             |
| Finish          | -                                                                                                                                                                                    |            | Textured epoxy-polyester powder paint                                     |             |
| Colour          | -                                                                                                                                                                                    |            | RAL 7035 grey                                                             |             |
| Thickness       | 20/10 <sup>o</sup> mm                                                                                                                                                                |            | -                                                                         |             |
| Maximum load    | 3 kg per unit                                                                                                                                                                        |            | 3 kg per unit                                                             |             |
| Enclosure (mm)  | Unit number                                                                                                                                                                          | References | Unit number                                                               | References  |
| <b>Height</b>   | <b>Width</b>                                                                                                                                                                         |            |                                                                           |             |
| 400             | 600                                                                                                                                                                                  | 8          | 7                                                                         | NSYVDM7UP   |
| 600             | 600                                                                                                                                                                                  | 12         | 11                                                                        | NSYVDM11UP  |
| 800             | 600                                                                                                                                                                                  | 17         | 16                                                                        | NSYVDM16UP  |
| 1000            | 600                                                                                                                                                                                  | 21         | 20                                                                        | NSYVDM20UP  |
|                 | 800                                                                                                                                                                                  | -          | 20                                                                        | NSYVDM20U8P |
| 1200            | 800                                                                                                                                                                                  | -          | 25                                                                        | NSYVDM25U8P |

## Fixings for 19" rack



- They allow 19" accessories to be mounted.
- Caged nut compatible with 8.5 x 8.5 mm and 9.5 x 9.5 mm holes.

| Name                       | Batch of | References  |
|----------------------------|----------|-------------|
| M6 screws + washers + nuts | 30       | NSYGFR95M63 |
| M6 x 16 screws and washers | 50       | NSYGFR166P  |
| M6 caged nuts              | 100      | NSYCN9M625  |
| M6 screws + washers + nuts | 50       | NSYGFR95M65 |
| M5 screws + washers + nuts | 50       | NSYGFR95M55 |

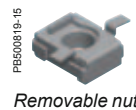
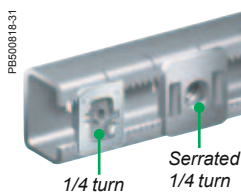
# Mounting

## Nuts and screws overview



| Characteristics | Clip-on nuts                  |            | Combiplas slide nut           |               |            |                   | Screws with captive washer Hexagonal head |            |        |            |
|-----------------|-------------------------------|------------|-------------------------------|---------------|------------|-------------------|-------------------------------------------|------------|--------|------------|
| Usage           | For Telequick mounting plates |            | C - shaped rail - 20/40/60 mm |               |            |                   | All nuts                                  |            |        |            |
| Type            | Supply                        | References | Rail type                     | Combiplas nut |            | Metal sliding nut |                                           | Models     | Supply | References |
|                 |                               |            |                               | Supply        | References | Supply            | References                                |            |        |            |
| M3              | 100                           | AF1EA3     | -                             | -             | -          | -                 | -                                         | -          | -      | -          |
| M4              | 100                           | AF1EA4     | C20                           | 100           | NSYBN204   | 100               | NSYB204                                   | M4 x 10 mm | 100    | AF1VA410   |
|                 |                               |            | C40                           | 100           | NSYBN404   | 100               | NSYB404                                   | M4 x 16 mm | 100    | AF1VA416   |
| M5              | 100                           | AF1EA5     | -                             | -             | -          | -                 | -                                         | M5 x 12 mm | 100    | AF1VA512   |
|                 |                               |            |                               |               |            |                   |                                           | M5 x 18 mm | 100    | AF1VA518   |
| M6              | 100                           | AF1EA6     | C20                           | 100           | NSYBN206   | -                 | -                                         | M6 x 12 mm | 100    | AF1VA612   |
|                 |                               |            | C40                           | 100           | NSYBN406   | -                 | -                                         | M6 x 18 mm | 100    | AF1VA618   |
|                 |                               |            | C60                           | 100           | NSYBN606   | 100               | NSYB406                                   |            |        |            |
| M8              | -                             | -          | C40                           | 100           | NSYBN408   | -                 | -                                         | M8 x 20 mm | 100    | AF1VC820   |
|                 |                               |            | C60                           | 100           | NSYBN608   | -                 | -                                         |            |        |            |
| M10             | -                             | -          | C60                           | 100           | NSYBN610   | -                 | -                                         |            |        |            |

References by unit. Order by multiples of the units specified in the supply.



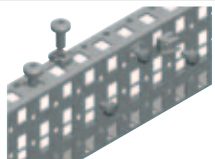
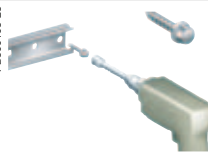

| Characteristics | Fixings and nuts for serrated uprights                       |        |        |          |                   |               |         |          |          |   |
|-----------------|--------------------------------------------------------------|--------|--------|----------|-------------------|---------------|---------|----------|----------|---|
| Usage           | 2 x serrated mounting uprights for floor-standing enclosures |        |        |          |                   |               |         |          |          |   |
| Type            | Fixing brackets                                              |        |        | 1/4 turn | Serrated 1/4 turn | Removable nut |         | Cage nut |          |   |
|                 | Supply                                                       | Ref.   | Supply | Ref.     | Ref.              | Supply        | Ref.    | Supply   | Ref.     |   |
| M4              | 4                                                            | NSYMFB | -      | -        | -                 | -             | -       | -        | -        | - |
| M5              |                                                              |        | -      | -        | -                 | -             | -       | -        | -        | - |
| M6              |                                                              |        | 10     | NSYSNM6  | NSYSNSM6          | 50            | NSYCNM6 | 50       | NSYCNFM6 |   |
| M8              |                                                              |        | 10     | NSYSNM8  | NSYSNSM8          | 50            | NSYCNM8 | 50       | NSYCNFM8 |   |
| -               |                                                              |        | -      | -        | -                 | -             | -       | -        | -        | - |

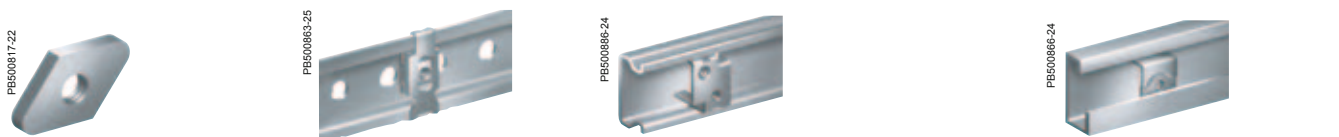
References by unit. Order by multiples of the units specified in the supply.





# Mounting

## Nuts and screws overview



| Torx screws                                                                       |        |            | Self-tapping screw                                                                |        |            | Fixings and nuts for aluminium uprights                                            |            |                                                 |           |
|-----------------------------------------------------------------------------------|--------|------------|-----------------------------------------------------------------------------------|--------|------------|------------------------------------------------------------------------------------|------------|-------------------------------------------------|-----------|
| Nuts and 6 mm Spacial enclosures holes                                            |        |            |                                                                                   |        |            | Mounting uprights for wall-mounting enclosures                                     |            |                                                 |           |
|  |        |            |  |        |            |  |            |                                                 |           |
| Models                                                                            | Supply | References | Models                                                                            | Supply | References | Sliding nuts                                                                       |            | Brass nuts to fix the upright to the enclosures |           |
| -                                                                                 | -      | -          | -                                                                                 | -      | -          | Supply                                                                             | References | Supply                                          | Reference |
| -                                                                                 | -      | -          | -                                                                                 | -      | -          | -                                                                                  | -          | 4                                               | NSYAMCSF  |
| -                                                                                 | -      | -          | -                                                                                 | -      | -          | 100                                                                                | NSYNM4     | -                                               | -         |
| -                                                                                 | -      | -          | M5 x 13 mm                                                                        | 100    | NSYS13M5HS | 100                                                                                | NSYNM5     | -                                               | -         |
| -                                                                                 | -      | -          | M5 x 16 mm                                                                        | 100    | NSYS16M5HS | -                                                                                  | -          | -                                               | -         |
| T30 M6 x 16 mm                                                                    | 100    | NSYST30M6  | M6 x 16 mm                                                                        | 100    | NSYS16M6HS | 100                                                                                | NSYNM6     | -                                               | -         |
| T30 M6 x 12 mm self-tapping                                                       | 100    | NSYST30M6S | -                                                                                 | -      | -          | -                                                                                  | -          | -                                               | -         |
| T40 M8 x 16 mm                                                                    | 100    | NSYST40M8  | -                                                                                 | -      | -          | -                                                                                  | -          | -                                               | -         |
| -                                                                                 | -      | -          | -                                                                                 | -      | -          | -                                                                                  | -          | -                                               | -         |



| Flat nuts for standard uprights                                                     |         | Clip nut for symmetric DIN rail                                                     |        | Quarter turn nut for double profile DIN rail                                        |        |         | Quarter turn nut for asymmetric DIN rail                                              |        |
|-------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|--------|---------|---------------------------------------------------------------------------------------|--------|
| 2 x standard mounting uprights for floor-standing enclosures                        |         | 35 x 15 mm symmetric DIN rail                                                       |        | 35 mm double profile DIN rail                                                       |        |         | 35 mm asymmetric DIN rail                                                             |        |
|  |         |  |        |  |        |         |  |        |
| Supply                                                                              | Ref.    | Supply                                                                              | Ref.   | Models                                                                              | Supply | Ref.    | Supply                                                                                | Ref.   |
| -                                                                                   | -       | 100                                                                                 | AF1CG4 | -                                                                                   | -      | -       | 100                                                                                   | DZ5ME5 |
| -                                                                                   | -       | 100                                                                                 | AF1CG5 | -                                                                                   | -      | -       | 100                                                                                   | DZ5ME8 |
| 50                                                                                  | NSYFNM6 | 100                                                                                 | AF1CG6 | -                                                                                   | -      | -       | 100                                                                                   | DZ5ME9 |
| 50                                                                                  | NSYFNM8 | -                                                                                   | -      | -                                                                                   | -      | -       | -                                                                                     | -      |
| -                                                                                   | -       | -                                                                                   | -      | M3 + M4                                                                             | 100    | AF1CF34 | -                                                                                     | -      |
| -                                                                                   | -       | -                                                                                   | -      | M5 + M6                                                                             | 100    | AF1CF56 | -                                                                                     | -      |

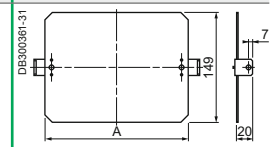
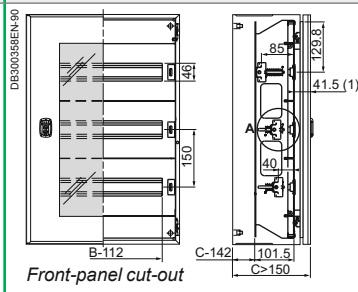
# Power distribution

## Modular distribution for wall-mounting enclosures

S3D S3X

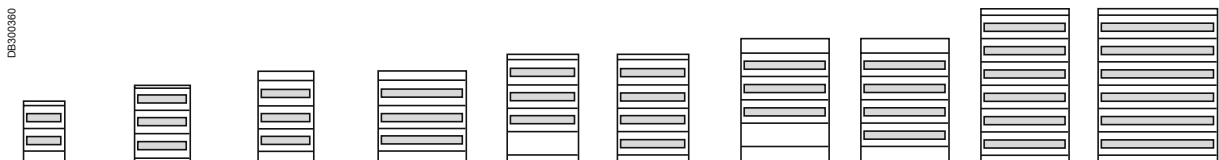


| Characteristics | DLM modular chassis                                                                                                                                                                                                                                                                                        | Plain front panel                                   | Plain mounting plate                                                                                                                                                                                                                                      |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <ul style="list-style-type: none"> <li>The chassis consists of metal cut-out front panels, which can be clipped on without screws.</li> <li>The depth of the chassis can be adjusted from 40 to 85 mm, between the rail and the front panel, allowing the installation of all types of devices.</li> </ul> | Metal front panels to be clipped on without screws. | Mounting plate for fixing non-modular devices.                                                                                                                                                                                                            |
| Material        | Rigid galvanised-steel structure                                                                                                                                                                                                                                                                           | -                                                   | Galvanised steel                                                                                                                                                                                                                                          |
| Finish          | Structured finish, epoxy-polyester powder                                                                                                                                                                                                                                                                  | Structured finish, 100% polyester powder            | -                                                                                                                                                                                                                                                         |
| Colour          | RAL 7035 grey                                                                                                                                                                                                                                                                                              | RAL 7035 grey                                       | -                                                                                                                                                                                                                                                         |
| Thickness       | -                                                                                                                                                                                                                                                                                                          | -                                                   | 20/10° mm                                                                                                                                                                                                                                                 |
| Supply          | -                                                                                                                                                                                                                                                                                                          | 2 plain front panel and fixings                     | 2 plain chassis and fixings                                                                                                                                                                                                                               |
| Height (mm)     | Width (mm)                                                                                                                                                                                                                                                                                                 | Number of modules*                                  | References                                                                                                                                                                                                                                                |
| 400             | 300                                                                                                                                                                                                                                                                                                        | 24                                                  | <b>NSYDLM24</b>                                                                                                                                                                                                                                           |
| 500             | 400                                                                                                                                                                                                                                                                                                        | 48                                                  | <b>NSYDLM48</b>                                                                                                                                                                                                                                           |
| 600             | 400                                                                                                                                                                                                                                                                                                        | 48                                                  | <b>NSYDLM48P</b>                                                                                                                                                                                                                                          |
|                 | 600                                                                                                                                                                                                                                                                                                        | 84                                                  | <b>NSYDLM84P</b>                                                                                                                                                                                                                                          |
| 700             | 500                                                                                                                                                                                                                                                                                                        | 66                                                  | <b>NSYDLM66</b>                                                                                                                                                                                                                                           |
|                 | 500                                                                                                                                                                                                                                                                                                        | 88                                                  | <b>NSYDLM88</b>                                                                                                                                                                                                                                           |
| 800             | 600                                                                                                                                                                                                                                                                                                        | 84                                                  | <b>NSYDLM84</b>                                                                                                                                                                                                                                           |
|                 | 600                                                                                                                                                                                                                                                                                                        | 112                                                 | <b>NSYDLM112</b>                                                                                                                                                                                                                                          |
| 1000            | 600                                                                                                                                                                                                                                                                                                        | 168                                                 | <b>NSYDLM168</b>                                                                                                                                                                                                                                          |
|                 | 800                                                                                                                                                                                                                                                                                                        | 234                                                 | <b>NSYDLM240</b>                                                                                                                                                                                                                                          |
|                 |                                                                                                                                                                                                                                                                                                            |                                                     | <b>NSYCTL300DLM</b><br><b>NSYCTL400DLM</b><br><b>NSYCTL400DLM</b><br><b>NSYCTL600DLM</b><br><b>NSYCTL500DLM</b><br><b>NSYCTL500DLM</b><br><b>NSYCTL600DLM</b><br><b>NSYCTL600DLM</b><br><b>NSYCTL600DLM</b><br><b>NSYCTL600DLM</b><br><b>NSYCTL800DLM</b> |
|                 |                                                                                                                                                                                                                                                                                                            |                                                     | <b>NSYPMP300DLM</b><br><b>NSYPMP400DLM</b><br><b>NSYPMP400DLM</b><br><b>NSYPMP600DLM</b><br><b>NSYPMP500DLM</b><br><b>NSYPMP500DLM</b><br><b>NSYPMP600DLM</b><br><b>NSYPMP600DLM</b><br><b>NSYPMP600DLM</b><br><b>NSYPMP800DLM</b>                        |



\* 1 module = 2 steps = 18 mm.

### Number of modules per chassis in steps of 18 mm



| Chassis reference     | NSYDLM24 | NSYDLM48 | NSYDLM48P | NSYDLM84P | NSYDLM66 | NSYDLM88 | NSYDLM84 | NSYDLM112 | NSYDLM168 | NSYDLM240 |
|-----------------------|----------|----------|-----------|-----------|----------|----------|----------|-----------|-----------|-----------|
| Enclosure height (mm) | 400      | 500      | 600       | 600       | 700      | 700      | 800      | 800       | 1000      | 1000      |
| Enclosure width (mm)  | 300      | 400      | 400       | 600       | 500      | 500      | 600      | 600       | 600       | 800       |
| Number of rows        | 2        | 3        | 3         | 3         | 3        | 4        | 3        | 4         | 6         | 6         |
| Modules per row       | 12       | 16       | 16        | 28        | 22       | 22       | 28       | 28        | 28        | 39        |
| Total n. of modules   | 24       | 48       | 48        | 84        | 66       | 88       | 84       | 112       | 168       | 234       |

\* For references **NSYDLM48**, **NSYDLM48P** and **NSYDLM84** on Spacial wall-mounting enclosures the central row can only receive modules at the height of the lock when installed at the front of the enclosure. In this case, 1 module is sealed up (check our technical instructions).



# Power distribution

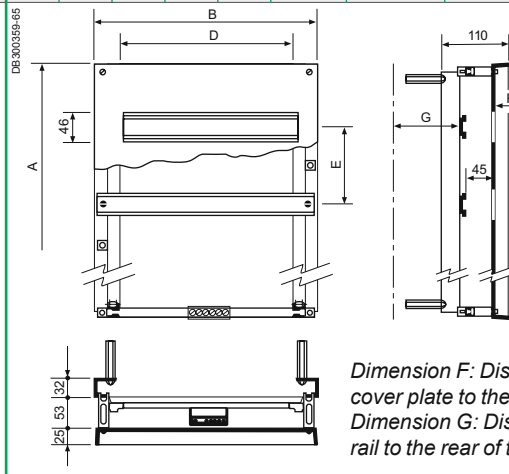
## Modular distribution for wall-mounting enclosures

**S3D** **S3X**

\* For Spacial S3D please consult us.



| Characteristics                                                |       |         | DL modular chassis                                                                                                                                                                                                                                                    |     |     |     |      |        |     |                      |             |                     |            |
|----------------------------------------------------------------|-------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|------|--------|-----|----------------------|-------------|---------------------|------------|
|                                                                |       |         | <ul style="list-style-type: none"> <li>■ Dinimel chassis designed for devices with heights of 53 and 68 mm, which can be coupled directly to the enclosure plate-support bolts.</li> <li>■ Distance between device rail and protective cover plate: 45 mm.</li> </ul> |     |     |     |      |        |     |                      |             |                     |            |
| Material                                                       |       |         | Sheet steel                                                                                                                                                                                                                                                           |     |     |     |      |        |     |                      |             |                     |            |
| Finish                                                         |       |         | Metal protective cover plate                                                                                                                                                                                                                                          |     |     |     |      |        |     |                      |             |                     |            |
| Colour                                                         |       |         | RAL 7035 grey                                                                                                                                                                                                                                                         |     |     |     |      |        |     |                      |             |                     |            |
| For coupling to the enclosures with normal or transparent door |       |         | Dimensions (mm)                                                                                                                                                                                                                                                       |     |     |     |      |        |     | No. of 18-mm modules | No. of rows | Approx. weight (kg) | References |
| Height                                                         | Width | Depth   | A                                                                                                                                                                                                                                                                     | B   | D   | E   | F*** | G      |     |                      |             |                     |            |
| 300                                                            | 250   | 150**   | 255                                                                                                                                                                                                                                                                   | 205 | 162 | 120 | 41   | 51     | 18  | 2                    | 1.2         | NSYDLCR18           |            |
| 400                                                            | 300   | 150**   | 355                                                                                                                                                                                                                                                                   | 255 | 216 | 160 | 41   | 51     | 24  | 2                    | 1.7         | NSYDLCR24           |            |
|                                                                | 300   | 150**   | 355                                                                                                                                                                                                                                                                   | 255 | 216 | 110 | 41   | 51     | 36  | 3                    | 1.7         | NSYDLCR36           |            |
| 500                                                            | 400   | 150**   | 455                                                                                                                                                                                                                                                                   | 355 | 288 | 130 | 41   | 51     | 48  | 3                    | 2.4         | NSYDLCR48           |            |
|                                                                | 400   | 150/200 | 555                                                                                                                                                                                                                                                                   | 355 | 288 | 130 | 41   | 51/101 | 64  | 4                    | 3.3         | NSYDLCR64           |            |
| 600                                                            | 500   | 150/200 | 555                                                                                                                                                                                                                                                                   | 455 | 396 | 130 | 41   | 51/101 | 88  | 4                    | 4.5         | NSYDLCR88           |            |
|                                                                | 700   | 500     | 655                                                                                                                                                                                                                                                                   | 455 | 396 | 125 | 41   | 101    | 110 | 5                    | 5.1         | NSYDLCR110          |            |
| 800                                                            | 600   | 200     | 755                                                                                                                                                                                                                                                                   | 555 | 486 | 140 | 41   | 101    | 135 | 5                    | 7.5         | NSYDLCR135          |            |



Dimension F: Distance from the protective cover plate to the inside of the door.  
 Dimension G: Distance from the device-support rail to the rear of the enclosure.

\*\* For coupling to enclosures with a depth of 200 mm, the stand-offs (ref. NSYEX608) are to be ordered separately (4 per chassis).  
 \*\*\* For enclosures with transparent door, the F dimension is reduced by 4 mm.

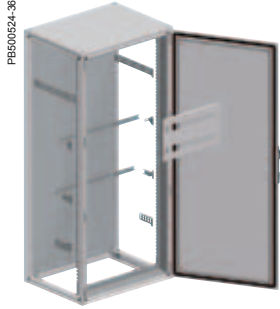


| Characteristics |                |      | Blanking plate                                                                                                         |
|-----------------|----------------|------|------------------------------------------------------------------------------------------------------------------------|
|                 |                |      | Blanking plate for full or partial covering of the circuit-breaker windows; it can easily be cut to the required size. |
| Material        |                |      | Fire-proof insulating                                                                                                  |
| Length (mm)     | No. of modules | RAL  | References                                                                                                             |
| 72              | 4              | 7032 | NSYATP72G                                                                                                              |
| 72              | 4              | 7035 | NSYATP72M                                                                                                              |
| 72              | 4              | 7035 | NSYATP72MS                                                                                                             |
| 108             | 6              | 7035 | NSYATP6DTM                                                                                                             |
| 432             | 24             | 7035 | NSYATP24DTM                                                                                                            |
| 1100            | -              | 7035 | NSYATPUND                                                                                                              |

# Power distribution

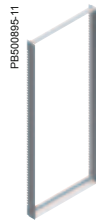
## Modular distribution for floor-standing enclosures

SM SF



### Modular distribution system

- The modular distribution system is made up of a range of accessories prepared for forming electric panels with high distribution capacity.
- The accessories are installed on a chassis mounted at the front of the enclosure, such as for example:
  - cover plates for enclosures with widths of 600 and 800, solid or cut-out in screwed-on or hinged versions. They cover 24 or 36 modules per row, depending on the width of the enclosure,
  - material support rails, fixed or with adjustable depth,
  - chassis supports for coupling non-modular equipment,
  - supports for fixing cable-distribution cable ducts.
- Sets of accessories made up of material-supporting frames with chassis and cover plates are offered for the construction of double or busbar modular chassis. All the accessories of the individual chassis system can also be combined in the same way with the double chassis or with the chassis with busbar area.



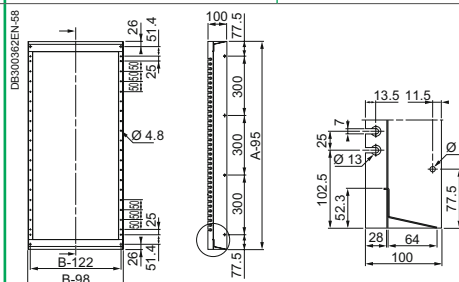
### Characteristics

### Single-chassis coupling set

- Chassis made up of vertical uprights and horizontal crossbars:
  - **Spacial SF**: they are screwed to the front frame of the enclosure.
  - **Spacial SM**: they are screwed to the front frame of the enclosure by means of the vertical adaptation profiles, see page 236.
- Easy access to the inside for component installation.

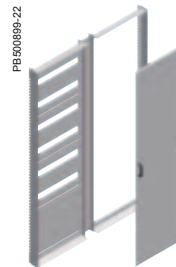
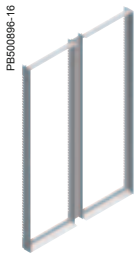
|          |                                                                 |
|----------|-----------------------------------------------------------------|
| Material | Steel                                                           |
| Finish   | Painted with epoxy-polyester resin, textured                    |
| Colour   | RAL 7035 grey                                                   |
| Supply   | 2 vertical uprights, 2 horizontal crossbars and fixing elements |

| Height (A) | Width (B) | Maximum no. of 18-mm modules | References |
|------------|-----------|------------------------------|------------|
| 1200       | 600       | 144                          | NSYCSH126  |
|            | 800       | 216                          | NSYCSH128  |
| 1400       | 600       | 192                          | NSYCSH146  |
|            | 800       | 288                          | NSYCSH148  |
|            | 1000      | -                            | -          |
| 1600       | 1200      | -                            | -          |
|            | 600       | 216                          | NSYCSH166  |
|            | 800       | 324                          | NSYCSH168  |
|            | 1000      | -                            | -          |
| 1800       | 1200      | -                            | -          |
|            | 1600      | -                            | -          |
|            | 600       | 240                          | NSYCSH186  |
|            | 800       | 360                          | NSYCSH188  |
|            | 1000      | -                            | -          |
| 2000       | 1200      | -                            | -          |
|            | 1600      | -                            | -          |
|            | 600       | 288                          | NSYCSH206  |
|            | 800       | 432                          | NSYCSH208  |
|            | 1000      | -                            | -          |
|            | 1200      | -                            | -          |



# Power distribution

## Modular distribution for floor-standing enclosures

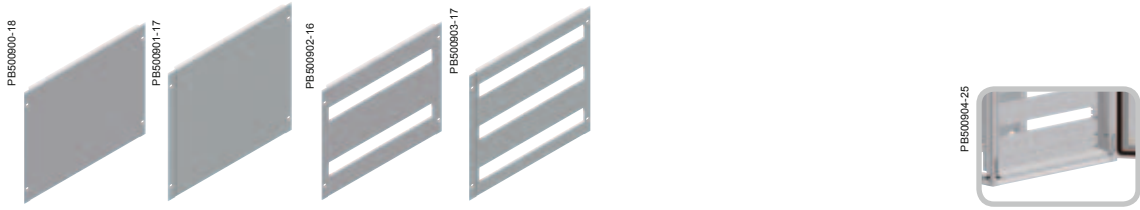


### Modular distribution accessories

- Schneider Electric has developed a broad range of accessories for the construction of modular distribution frames, meeting the needs of the market.
- The new range has a coupling chassis, installed at the front of the enclosure, allowing the installation of:
  - cover plates with lengths of 600 and 800 mm, plain and cut-out, screwed on and hinged, with heights of 150, 200, 300, 400, 450 and 600 mm,
  - material support rails, fixed or with adjustable depth,
  - mounting plate supports, plain or perforated, for installation of non-modular devices.

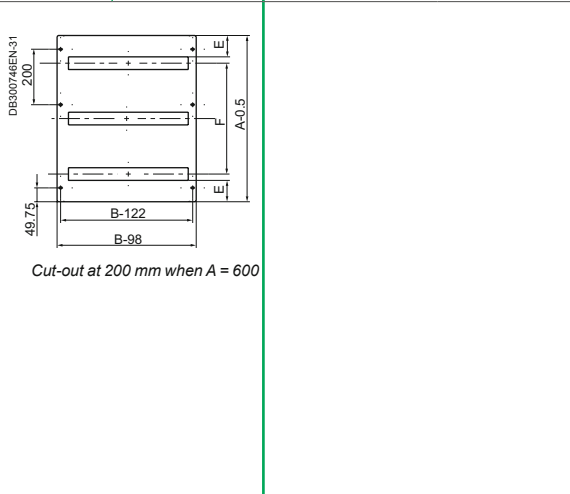
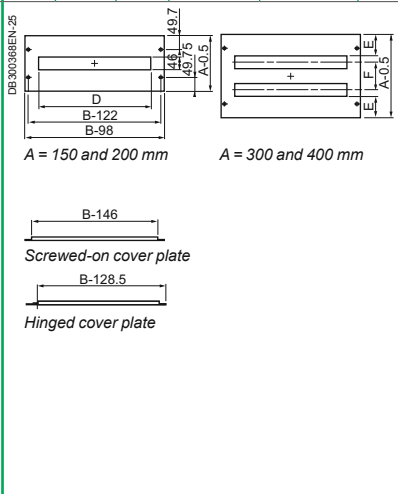
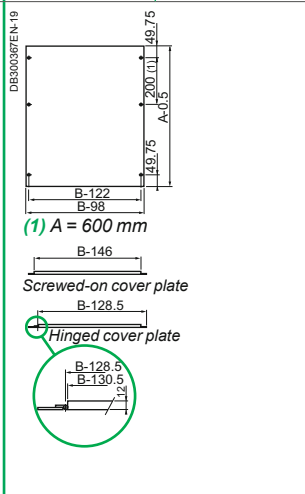
| Double-chassis coupling set                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                          |                    | Chassis-coupling set with zone for busbars                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                          |                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|--------------------|
| <ul style="list-style-type: none"> <li>■ Mounting on enclosures with widths of 1200 and 1600 mm.</li> <li>■ Installation on <b>Spacial SM</b>: they are screwed to the front frame of the enclosure by means of the vertical adaptation profiles, see page 236.</li> <li>■ Set made up of two modular chassis with an intermediate central upright.</li> <li>■ <b>Spacial SM</b>: for enclosures with a width of 1200 mm the top/bottom adjustment rails are necessary.</li> <li>■ <b>Spacial SF</b>: the double-door enclosure adaptation kit is required for enclosure widths of 1200 and 1600 mm, see page 227.</li> </ul> |                                          |                    | <ul style="list-style-type: none"> <li>■ Set for mounting on enclosures with widths of 1000 and 1200 mm.</li> <li>■ <b>Spacial SF</b>: they are screwed to the front frame enclosure.</li> <li>■ <b>Spacial SM</b>: they are screwed to the front frame of the enclosure by means of the vertical and horizontal adaptation profiles, see page 236.</li> <li>■ Assembly made up of a modular chassis with an intermediate central upright and a blanking cover plate for busbars (width 300 mm).</li> </ul> |                                          |                    |
| Steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                          |                    | Steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                          |                    |
| Painted with epoxy-polyester resin, textured                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                          |                    | Painted with epoxy-polyester resin, textured                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                          |                    |
| RAL 7035 grey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                          |                    | RAL 7035 grey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                          |                    |
| 2 single-chassis coupling sets, 1 intermediate central upright and fixing elements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                          |                    | 1 single-chassis coupling set, 1 intermediate central upright, 1 busbar blanking cover plate, fixing elements                                                                                                                                                                                                                                                                                                                                                                                               |                                          |                    |
| Maximum no. of 18-mm modules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Set made up of columns with a width (mm) | References         | Maximum no. of 18-mm modules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Set made up of columns with a width (mm) | References         |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                        | -                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -                                        | -                  |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                        | -                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -                                        | -                  |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                        | -                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -                                        | -                  |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                        | -                  | 192                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 600 + 400                                | <b>NSYCShB1410</b> |
| 384                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 600 + 600                                | <b>NSYDCSH1412</b> | 288                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 800 + 400                                | <b>NSYCShB1412</b> |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                        | -                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -                                        | -                  |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                        | -                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -                                        | -                  |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                        | -                  | 216                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 600 + 400                                | <b>NSYCShB1610</b> |
| 432                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 600 + 600                                | <b>NSYDCSH1612</b> | 324                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 800 + 400                                | <b>NSYCShB1612</b> |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                        | -                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -                                        | -                  |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                        | -                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -                                        | -                  |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                        | -                  | 240                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 600 + 400                                | <b>NSYCShB1810</b> |
| 480                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 600 + 600                                | <b>NSYDCSH1812</b> | 360                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 800 + 400                                | <b>NSYCShB1812</b> |
| 720                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 800 + 800                                | <b>NSYDCSH1816</b> | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -                                        | -                  |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                        | -                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -                                        | -                  |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                        | -                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -                                        | -                  |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                        | -                  | 288                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 600 + 400                                | <b>NSYCShB2010</b> |
| 576                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 600 + 600                                | <b>NSYDCSH2012</b> | 432                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 800 + 400                                | <b>NSYCShB2012</b> |
| 864                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 800 + 800                                | <b>NSYDCSH2016</b> | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -                                        | -                  |

### Cover plates



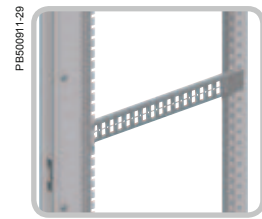
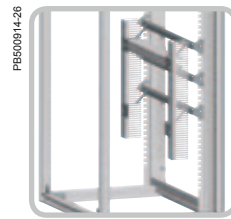
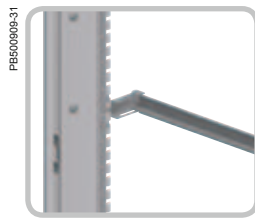
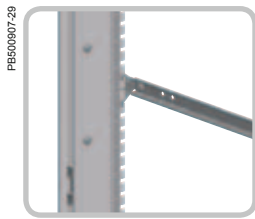
| Characteristics | Plain cover plates                                                                                                                                                                                                                                                                                                                                                                                            | Cut-out cover plates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Adjustment cover plates                                                                                                                                                                                 |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <ul style="list-style-type: none"> <li>■ Metal cover plates for protecting control devices.</li> <li>■ The cut-outs in non-modular control devices is at user's request.</li> <li>■ Suitable by modules of 150 or 200 mm.</li> <li>■ Versions:                             <ul style="list-style-type: none"> <li>□ screwed-on plain cover plate,</li> <li>□ hinged plain cover plate.</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>■ Cut-out metal cover plates for modular switchgear (1 module = 18 mm).</li> <li>■ Suitable by modules of 150 or 200 mm.</li> <li>□ cover plates for 600-mm enclosures: 24 modules per row,</li> <li>□ cover plates for 800-mm enclosures: 36 modules per row.</li> <li>■ Versions:                             <ul style="list-style-type: none"> <li>□ screwed-on cut-out cover plate,</li> <li>□ hinged cut-out cover plate. 120° opening with flat hinge.</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>■ Metal adjustment cover plates designed to complete the front of the modular chassis according to the combinations made by modules of 150 or 200 mm.</li> </ul> |
| Material        | Steel                                                                                                                                                                                                                                                                                                                                                                                                         | Steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Steel                                                                                                                                                                                                   |
| Finish          | Painted with epoxy-polyester resin, textured                                                                                                                                                                                                                                                                                                                                                                  | Painted with epoxy-polyester resin, textured                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Painted with epoxy-polyester resin, textured                                                                                                                                                            |
| Colour          | RAL 7035 grey                                                                                                                                                                                                                                                                                                                                                                                                 | RAL 7035 grey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | RAL 7035 grey                                                                                                                                                                                           |
| Fixing          | -                                                                                                                                                                                                                                                                                                                                                                                                             | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -                                                                                                                                                                                                       |
| Supply          | 1 plain cover plate and fixing elements                                                                                                                                                                                                                                                                                                                                                                       | 1 cut-out cover plate and fixing elements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2 adjustment cover plates and fixing elements                                                                                                                                                           |

| Height (A) | Width (B) | Screwed-on plain cover plate references | Hinged plain cover plate references | D   | E     | F   | No. of cut-outs | Max. no. of 18-mm modules | Screwed-on cut-out cover plate references | Hinged cut-out cover plate references | References |
|------------|-----------|-----------------------------------------|-------------------------------------|-----|-------|-----|-----------------|---------------------------|-------------------------------------------|---------------------------------------|------------|
| 50         | 600       | -                                       | -                                   | -   | -     | -   | -               | -                         | -                                         | -                                     | NSYADC16   |
|            | 800       | -                                       | -                                   | -   | -     | -   | -               | -                         | -                                         | -                                     | NSYADC18   |
| 150        | 600       | NSYMPC156                               | NSYMPCH156                          | 432 | -     | -   | 1               | 24                        | NSYMUC156                                 | NSYMUCH156                            | -          |
|            | 800       | NSYMPC158                               | NSYMPCH158                          | 642 | -     | -   | 1               | 36                        | NSYMUC158                                 | NSYMUCH158                            | -          |
| 200        | 600       | NSYMPC206                               | NSYMPCH206                          | 432 | -     | -   | 1               | 24                        | NSYMUC206                                 | NSYMUCH206                            | -          |
|            | 800       | NSYMPC208                               | NSYMPCH208                          | 642 | -     | -   | 1               | 36                        | NSYMUC208                                 | NSYMUCH208                            | -          |
| 300        | 600       | NSYMPC306                               | NSYMPCH306                          | 432 | 51.75 | 150 | 2               | 48                        | NSYMUC306                                 | NSYMUCH306                            | -          |
|            | 800       | NSYMPC308                               | NSYMPCH308                          | 642 | -     | -   | 2               | 72                        | NSYMUC308                                 | NSYMUCH308                            | -          |
| 400        | 600       | NSYMPC406                               | NSYMPCH406                          | 432 | 76.75 | 200 | 2               | 48                        | NSYMUC406                                 | NSYMUCH406                            | -          |
|            | 800       | NSYMPC408                               | NSYMPCH408                          | 642 | -     | -   | 2               | 72                        | NSYMUC408                                 | NSYMUCH408                            | -          |
| 450        | 600       | NSYMPC456                               | NSYMPCH456                          | 432 | 51.75 | 150 | 3               | 72                        | NSYMUC456                                 | NSYMUCH456                            | -          |
|            | 800       | NSYMPC458                               | NSYMPCH458                          | 642 | -     | -   | 3               | 108                       | NSYMUC458                                 | NSYMUCH458                            | -          |
| 600        | 600       | NSYMPC606                               | NSYMPCH606                          | 432 | 76.75 | 200 | 3               | 72                        | NSYMUC606                                 | NSYMUCH606                            | -          |
|            | 800       | NSYMPC608                               | NSYMPCH608                          | 642 | -     | -   | 3               | 108                       | NSYMUC608                                 | NSYMUCH608                            | -          |



# Power distribution

## Modular distribution accessories

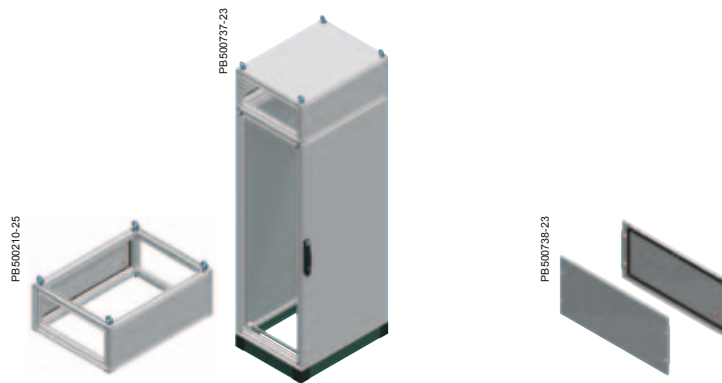


| Set of fixed rail with supports                                                                                                                                                                                                                                                                                                                                                                      | Set of depth-adjustable rail with supports                                                                                                                                                                                                                                                                                                                                                                      | Cable duct fixing supports                                                                                                                                                                                                                                          | Reinforced plate supports                                                                                                                                                                                                                                                                                                                                                                                                       |           |                            |            |     |   |          |     |   |          |     |    |          |     |    |          |     |    |          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------|------------|-----|---|----------|-----|---|----------|-----|----|----------|-----|----|----------|-----|----|----------|
| <ul style="list-style-type: none"> <li>Set made up of a galvanised symmetric DIN rail, 35 x 15 mm, and fixed mounting supports, for the installation of modular devices or not.</li> <li>Maximum number of 18-mm modules:                             <ul style="list-style-type: none"> <li>enclosure width 600 mm: 24 modules,</li> <li>enclosure width 800 mm: 36 modules.</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>Set made up of a galvanised symmetric DIN rail, 35 x 15 mm, and depth-adjustable mounting supports, for the installation of modular devices or not.</li> <li>Maximum number of 18-mm modules:                             <ul style="list-style-type: none"> <li>enclosure width 600 mm: 24 modules,</li> <li>enclosure width 800 mm: 36 modules.</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>Supports for fixing cable-distribution gutters in the modular distribution chassis.</li> <li>Allows the fixing of gutters in horizontal and vertical position on the same plane to facilitate cable distribution.</li> </ul> | <p>Supports for fixing the partial mounting plate for small non-modular equipment or material-supporting cross rails for heavy equipment. See partial mounting plate, page 220.</p>                                                                                                                                                                                                                                             |           |                            |            |     |   |          |     |   |          |     |    |          |     |    |          |     |    |          |
| Zinc-coated steel                                                                                                                                                                                                                                                                                                                                                                                    | Zinc-coated steel                                                                                                                                                                                                                                                                                                                                                                                               | Zinc-coated steel                                                                                                                                                                                                                                                   | Zinc-coated steel                                                                                                                                                                                                                                                                                                                                                                                                               |           |                            |            |     |   |          |     |   |          |     |    |          |     |    |          |     |    |          |
| -                                                                                                                                                                                                                                                                                                                                                                                                    | -                                                                                                                                                                                                                                                                                                                                                                                                               | -                                                                                                                                                                                                                                                                   | -                                                                                                                                                                                                                                                                                                                                                                                                                               |           |                            |            |     |   |          |     |   |          |     |    |          |     |    |          |     |    |          |
| Mounting by screws directly on the uprights of the chassis-coupling set                                                                                                                                                                                                                                                                                                                              | Mounting by screws directly on the uprights of the modular chassis-coupling set                                                                                                                                                                                                                                                                                                                                 | Installation by screws directly on the rail supplied with the fixed or adjustable rail                                                                                                                                                                              | Direct fixing by screws to the vertical uprights of the modular chassis-coupling set, and at the rear directly to the structure (Spacial SF) and on universal or quickfixing cross rails (see page 232) installed vertically in the back of the enclosure (Spacial SM)                                                                                                                                                          |           |                            |            |     |   |          |     |   |          |     |    |          |     |    |          |     |    |          |
| 1 DIN rail, 2 fixed supports and fixing elements                                                                                                                                                                                                                                                                                                                                                     | 1 DIN rail, 2 adjustable supports and fixing elements                                                                                                                                                                                                                                                                                                                                                           | 6 supports (3 on the right and 3 on the left) and fixing elements                                                                                                                                                                                                   | 2 supports and fixing elements                                                                                                                                                                                                                                                                                                                                                                                                  |           |                            |            |     |   |          |     |   |          |     |    |          |     |    |          |     |    |          |
| References                                                                                                                                                                                                                                                                                                                                                                                           | References                                                                                                                                                                                                                                                                                                                                                                                                      | References                                                                                                                                                                                                                                                          | References                                                                                                                                                                                                                                                                                                                                                                                                                      |           |                            |            |     |   |          |     |   |          |     |    |          |     |    |          |     |    |          |
| NSYMFSC60                                                                                                                                                                                                                                                                                                                                                                                            | NSYMFSC60D                                                                                                                                                                                                                                                                                                                                                                                                      | NSYMCDFIX                                                                                                                                                                                                                                                           | <table border="1"> <thead> <tr> <th>Depth (C)</th> <th>No. of cut-outs (Ø 5.2 mm)</th> <th>References</th> </tr> </thead> <tbody> <tr> <td>300</td> <td>3</td> <td>NSYMPS30</td> </tr> <tr> <td>400</td> <td>7</td> <td>NSYMPS40</td> </tr> <tr> <td>500</td> <td>11</td> <td>NSYMPS50</td> </tr> <tr> <td>600</td> <td>15</td> <td>NSYMPS60</td> </tr> <tr> <td>800</td> <td>23</td> <td>NSYMPS80</td> </tr> </tbody> </table> | Depth (C) | No. of cut-outs (Ø 5.2 mm) | References | 300 | 3 | NSYMPS30 | 400 | 7 | NSYMPS40 | 500 | 11 | NSYMPS50 | 600 | 15 | NSYMPS60 | 800 | 23 | NSYMPS80 |
| Depth (C)                                                                                                                                                                                                                                                                                                                                                                                            | No. of cut-outs (Ø 5.2 mm)                                                                                                                                                                                                                                                                                                                                                                                      | References                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                            |            |     |   |          |     |   |          |     |    |          |     |    |          |     |    |          |
| 300                                                                                                                                                                                                                                                                                                                                                                                                  | 3                                                                                                                                                                                                                                                                                                                                                                                                               | NSYMPS30                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                            |            |     |   |          |     |   |          |     |    |          |     |    |          |     |    |          |
| 400                                                                                                                                                                                                                                                                                                                                                                                                  | 7                                                                                                                                                                                                                                                                                                                                                                                                               | NSYMPS40                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                            |            |     |   |          |     |   |          |     |    |          |     |    |          |     |    |          |
| 500                                                                                                                                                                                                                                                                                                                                                                                                  | 11                                                                                                                                                                                                                                                                                                                                                                                                              | NSYMPS50                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                            |            |     |   |          |     |   |          |     |    |          |     |    |          |     |    |          |
| 600                                                                                                                                                                                                                                                                                                                                                                                                  | 15                                                                                                                                                                                                                                                                                                                                                                                                              | NSYMPS60                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                            |            |     |   |          |     |   |          |     |    |          |     |    |          |     |    |          |
| 800                                                                                                                                                                                                                                                                                                                                                                                                  | 23                                                                                                                                                                                                                                                                                                                                                                                                              | NSYMPS80                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                            |            |     |   |          |     |   |          |     |    |          |     |    |          |     |    |          |
| NSYMFSC80                                                                                                                                                                                                                                                                                                                                                                                            | NSYMFSC80D                                                                                                                                                                                                                                                                                                                                                                                                      | NSYMCDFIX                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                            |            |     |   |          |     |   |          |     |    |          |     |    |          |     |    |          |
| NSYMFSC60                                                                                                                                                                                                                                                                                                                                                                                            | NSYMFSC60D                                                                                                                                                                                                                                                                                                                                                                                                      | NSYMCDFIX                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                            |            |     |   |          |     |   |          |     |    |          |     |    |          |     |    |          |
| NSYMFSC80                                                                                                                                                                                                                                                                                                                                                                                            | NSYMFSC80D                                                                                                                                                                                                                                                                                                                                                                                                      | NSYMCDFIX                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                            |            |     |   |          |     |   |          |     |    |          |     |    |          |     |    |          |
| NSYMFSC60                                                                                                                                                                                                                                                                                                                                                                                            | NSYMFSC60D                                                                                                                                                                                                                                                                                                                                                                                                      | NSYMCDFIX                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                            |            |     |   |          |     |   |          |     |    |          |     |    |          |     |    |          |
| NSYMFSC80                                                                                                                                                                                                                                                                                                                                                                                            | NSYMFSC80D                                                                                                                                                                                                                                                                                                                                                                                                      | NSYMCDFIX                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                            |            |     |   |          |     |   |          |     |    |          |     |    |          |     |    |          |
| NSYMFSC60                                                                                                                                                                                                                                                                                                                                                                                            | NSYMFSC60D                                                                                                                                                                                                                                                                                                                                                                                                      | NSYMCDFIX                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                            |            |     |   |          |     |   |          |     |    |          |     |    |          |     |    |          |
| NSYMFSC80                                                                                                                                                                                                                                                                                                                                                                                            | NSYMFSC80D                                                                                                                                                                                                                                                                                                                                                                                                      | NSYMCDFIX                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                            |            |     |   |          |     |   |          |     |    |          |     |    |          |     |    |          |
| NSYMFSC60                                                                                                                                                                                                                                                                                                                                                                                            | NSYMFSC60D                                                                                                                                                                                                                                                                                                                                                                                                      | NSYMCDFIX                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                            |            |     |   |          |     |   |          |     |    |          |     |    |          |     |    |          |
| NSYMFSC80                                                                                                                                                                                                                                                                                                                                                                                            | NSYMFSC80D                                                                                                                                                                                                                                                                                                                                                                                                      | NSYMCDFIX                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                            |            |     |   |          |     |   |          |     |    |          |     |    |          |     |    |          |
| NSYMFSC60                                                                                                                                                                                                                                                                                                                                                                                            | NSYMFSC60D                                                                                                                                                                                                                                                                                                                                                                                                      | NSYMCDFIX                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                            |            |     |   |          |     |   |          |     |    |          |     |    |          |     |    |          |
| NSYMFSC80                                                                                                                                                                                                                                                                                                                                                                                            | NSYMFSC80D                                                                                                                                                                                                                                                                                                                                                                                                      | NSYMCDFIX                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                            |            |     |   |          |     |   |          |     |    |          |     |    |          |     |    |          |
| NSYMFSC60                                                                                                                                                                                                                                                                                                                                                                                            | NSYMFSC60D                                                                                                                                                                                                                                                                                                                                                                                                      | NSYMCDFIX                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                            |            |     |   |          |     |   |          |     |    |          |     |    |          |     |    |          |
| NSYMFSC80                                                                                                                                                                                                                                                                                                                                                                                            | NSYMFSC80D                                                                                                                                                                                                                                                                                                                                                                                                      | NSYMCDFIX                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                            |            |     |   |          |     |   |          |     |    |          |     |    |          |     |    |          |
| <p><b>Fixed supports with no rail</b></p> <p><b>Supply:</b> 2 fixed supports and fixing elements.</p> <p><b>Reference</b><br/>NSYMF51</p>                                                                                                                                                                                                                                                            | <p><b>Adjustable supports with no rail</b></p> <p><b>Supply:</b> 2 adjustable supports and fixing elements.</p> <p><b>Reference</b><br/>NSYMF51D</p>                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                            |            |     |   |          |     |   |          |     |    |          |     |    |          |     |    |          |

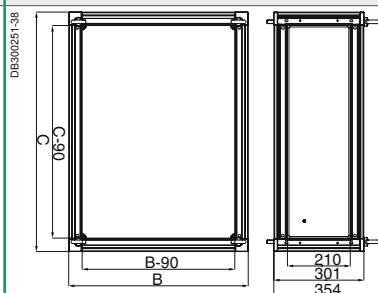
# Power distribution

## Power distribution accessories

SF



| Characteristics           |                |                | Top busbar chamber                                                                                                                                                                                                       | Side panels for the busbar chamber                                              |
|---------------------------|----------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
|                           |                |                | Chamber which protects and supports the sets of horizontal bars.<br>Enables new switchgear by tapping and isolates the sets of bars from the rest of the equipment.<br>It is only installed at the top of the enclosure. | Set of two side panels for coupling with the busbar chamber.<br>Captive screws. |
| Material                  |                |                | Steel                                                                                                                                                                                                                    | Steel                                                                           |
| Finish                    |                |                | Painted with epoxy-polyester resin                                                                                                                                                                                       | Painted with epoxy-polyester resin                                              |
| Colour                    |                |                | Textured RAL 7035 grey                                                                                                                                                                                                   | Textured RAL 7035 grey                                                          |
| Ingress protection rating |                |                | IP55                                                                                                                                                                                                                     | -                                                                               |
| Supply                    |                |                | <ul style="list-style-type: none"> <li>■ One structure of the busbar chamber as a kit</li> <li>■ Two front panels</li> <li>■ Four eyebolts</li> <li>■ One sealing gasket</li> </ul>                                      | Two side panels and fixing elements                                             |
| Height (A) (mm)           | Width (B) (mm) | Depth (C) (mm) | References                                                                                                                                                                                                               |                                                                                 |
| 300                       | 300            | 500            | -                                                                                                                                                                                                                        | NSYSPBC35                                                                       |
|                           |                | 600            | NSYTBC336                                                                                                                                                                                                                | NSYSPBC36                                                                       |
|                           |                | 800            | NSYTBC338                                                                                                                                                                                                                | NSYSPBC38                                                                       |
|                           | 400            | 500            | NSYTBC345                                                                                                                                                                                                                | NSYSPBC35                                                                       |
|                           |                | 600            | NSYTBC346                                                                                                                                                                                                                | NSYSPBC36                                                                       |
|                           |                | 800            | NSYTBC348                                                                                                                                                                                                                | NSYSPBC38                                                                       |
|                           | 600            | 500            | NSYTBC365                                                                                                                                                                                                                | NSYSPBC35                                                                       |
|                           |                | 600            | NSYTBC366                                                                                                                                                                                                                | NSYSPBC36                                                                       |
|                           |                | 800            | NSYTBC368                                                                                                                                                                                                                | NSYSPBC38                                                                       |
|                           | 800            | 500            | NSYTBC385                                                                                                                                                                                                                | NSYSPBC35                                                                       |
|                           |                | 600            | NSYTBC386                                                                                                                                                                                                                | NSYSPBC36                                                                       |
|                           |                | 800            | NSYTBC388                                                                                                                                                                                                                | NSYSPBC38                                                                       |
| 1000                      | 500            | NSYTBC3105     | NSYSPBC35                                                                                                                                                                                                                |                                                                                 |
|                           | 600            | NSYTBC3106     | NSYSPBC36                                                                                                                                                                                                                |                                                                                 |
|                           | 800            | NSYTBC3108     | NSYSPBC38                                                                                                                                                                                                                |                                                                                 |
| 1200                      | 500            | NSYTBC3125     | NSYSPBC35                                                                                                                                                                                                                |                                                                                 |
|                           | 600            | NSYTBC3126     | NSYSPBC36                                                                                                                                                                                                                |                                                                                 |
|                           | 800            | NSYTBC3128     | NSYSPBC38                                                                                                                                                                                                                |                                                                                 |
| 1800                      | 400            | 400            | -                                                                                                                                                                                                                        | -                                                                               |
|                           |                | 500            | -                                                                                                                                                                                                                        | -                                                                               |
|                           |                | 600            | -                                                                                                                                                                                                                        | -                                                                               |
| 2000                      | 300            | 500            | -                                                                                                                                                                                                                        | -                                                                               |
|                           |                | 600            | -                                                                                                                                                                                                                        | -                                                                               |
|                           |                | 800            | -                                                                                                                                                                                                                        | -                                                                               |
|                           | 400            | 400            | -                                                                                                                                                                                                                        | -                                                                               |
|                           |                | 500            | -                                                                                                                                                                                                                        | -                                                                               |
|                           |                | 600            | -                                                                                                                                                                                                                        | -                                                                               |
| 2200                      | 400            | 800            | -                                                                                                                                                                                                                        | -                                                                               |
|                           |                | 600            | -                                                                                                                                                                                                                        | -                                                                               |
|                           |                | 600            | -                                                                                                                                                                                                                        | -                                                                               |

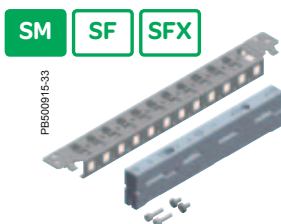




# Power distribution

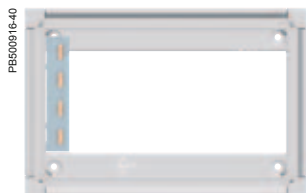
## Busbars and blocks

### For 630 A busbars



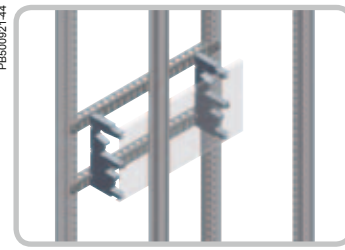
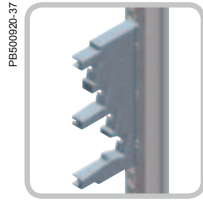
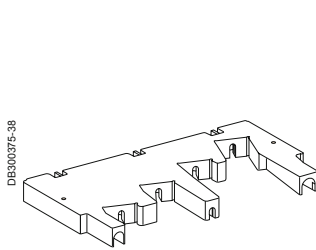
| Characteristics    | 630 A bar support                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 630 A busbar end cover                                    |            |     |          |     |          |     |          |     |          |                                                                                                                           |           |           |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|------------|-----|----------|-----|----------|-----|----------|-----|----------|---------------------------------------------------------------------------------------------------------------------------|-----------|-----------|
|                    | <ul style="list-style-type: none"> <li>■ <b>Spacial SF</b>: support prepared for coupling directly to the structure of the enclosure.</li> <li>■ <b>Spacial SFX</b>: a universal cross rail is needed, in some cases, to replace the 400mm quick-fixing cross rail.</li> <li>■ <b>Spacial SM</b>: installation by means of a vertical adaptation profile and 40 mm universal cross rails (1 row).</li> <li>■ Maximum nominal rating 630 A.</li> <li>■ Determine according to the enclosed table* the cross-section of the bars and the distance between supports, according to the nominal and short-circuit current respectively.</li> </ul> | Busbar end protection.                                    |            |     |          |     |          |     |          |     |          |                                                                                                                           |           |           |
| Material           | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                                         |            |     |          |     |          |     |          |     |          |                                                                                                                           |           |           |
| Fixing             | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Direct installation on the actual bar support (insulator) |            |     |          |     |          |     |          |     |          |                                                                                                                           |           |           |
| Supply             | One 630 A bar support, one 40 mm quick-fixing cross rail and fixing elements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Two 630 A bar support plates and fixing elements          |            |     |          |     |          |     |          |     |          |                                                                                                                           |           |           |
|                    | <table border="1"> <thead> <tr> <th>Width / Depth (mm)</th> <th>References</th> </tr> </thead> <tbody> <tr> <td>400</td> <td>NSYBS400</td> </tr> <tr> <td>500</td> <td>NSYBS500</td> </tr> <tr> <td>600</td> <td>NSYBS600</td> </tr> <tr> <td>800</td> <td>NSYBS800</td> </tr> </tbody> </table>                                                                                                                                                                                                                                                                                                                                              | Width / Depth (mm)                                        | References | 400 | NSYBS400 | 500 | NSYBS500 | 600 | NSYBS600 | 800 | NSYBS800 | <table border="1"> <thead> <tr> <th>Reference</th> </tr> </thead> <tbody> <tr> <td>NSYBSC630</td> </tr> </tbody> </table> | Reference | NSYBSC630 |
| Width / Depth (mm) | References                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                           |            |     |          |     |          |     |          |     |          |                                                                                                                           |           |           |
| 400                | NSYBS400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                           |            |     |          |     |          |     |          |     |          |                                                                                                                           |           |           |
| 500                | NSYBS500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                           |            |     |          |     |          |     |          |     |          |                                                                                                                           |           |           |
| 600                | NSYBS600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                           |            |     |          |     |          |     |          |     |          |                                                                                                                           |           |           |
| 800                | NSYBS800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                           |            |     |          |     |          |     |          |     |          |                                                                                                                           |           |           |
| Reference          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                           |            |     |          |     |          |     |          |     |          |                                                                                                                           |           |           |
| NSYBSC630          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                           |            |     |          |     |          |     |          |     |          |                                                                                                                           |           |           |
|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                           |            |     |          |     |          |     |          |     |          |                                                                                                                           |           |           |

### ★ Table



| Nominal rating IP55 NR (A) | No. of bars per phase | Bar cross-section (mm) | Bar cross-section (mm <sup>2</sup> ) | Maximum distance between bar supports according to the short-circuit current (mm) |     |     |     |     |     |     | Neutral (mm) | Earth (mm) |
|----------------------------|-----------------------|------------------------|--------------------------------------|-----------------------------------------------------------------------------------|-----|-----|-----|-----|-----|-----|--------------|------------|
|                            |                       |                        |                                      | Icc kA                                                                            |     |     |     |     |     |     |              |            |
|                            |                       |                        |                                      | 12                                                                                | 23  | 30  | 39  | 52  | 66  | 69  |              |            |
| 200                        | 1                     | 12 x 5                 | 60                                   | 525                                                                               | 525 | 525 | 400 | 250 | -   | -   | -            | -          |
| 250                        | 1                     | 12 x 5                 | 75                                   | 575                                                                               | 575 | 575 | 450 | 325 | -   | -   | -            | -          |
| 320                        | 1                     | 20 x 5                 | 100                                  | 600                                                                               | 600 | 600 | 475 | 350 | 150 | -   | 12 x 5-10    | -          |
| 390                        | 1                     | 25 x 5                 | 125                                  | 600                                                                               | 600 | 600 | 475 | 350 | 150 | -   | 12 x 5-10    | 6 x 3      |
| 440                        | 1                     | 30 x 5                 | 150                                  | 650                                                                               | 650 | 650 | 650 | 525 | 400 | 350 | 20 x 5-10    | 10 x 3     |
| 500                        | 1                     | 20 x 10                | 200                                  | 675                                                                               | 675 | 675 | 525 | 350 | 150 | -   | 25 x 5-10    | 10 x 6     |
| 600                        | 1                     | 30 x 10                | 300                                  | 675                                                                               | 675 | 675 | 600 | 475 | 325 | 275 | 30 x 5-10    | 10 x 6     |





| 630 A multi-stage bar support                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Screen for 630 A multi-stage busbar                                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>■ Support for fixing bars with cross-sections: 15 x 5, 20 x 5, 32 x 5, 32 x 8.</li> <li>■ The orientation of the copper bars makes tightening easier and allows better circulation of the cables.</li> <li>■ It can be 3-pole or 4-pole, with gauges from 160 to 630 A.</li> <li>■ Electrical characteristics:                             <ul style="list-style-type: none"> <li>□ Rated peak withstand current I<sub>pk</sub> (kA):                                     <ul style="list-style-type: none"> <li>- 30 kA for 160 A busbar,</li> <li>- 40 kA for 250 A busbar,</li> <li>- 55 kA for 400 A and 630 A busbar.</li> </ul> </li> <li>□ Rated insulation voltage U<sub>i</sub> = 750 V.</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>■ Protects against direct contact from the front in the connections of the busbar.</li> <li>■ Length: 1500 mm.</li> </ul> |
| <p>Insulating plastic</p> <ul style="list-style-type: none"> <li>■ Mounting on mounting plates (see page 220) or cross-rails (see page 232)</li> <li>■ M6 x 25 self-tapping screws are required for fixing on the cross-rails, not included</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -                                                                                                                                                                |
| 1 multi-stage bar support and fixing elements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Direct mounting on the actual support                                                                                                                            |
| 1 multi-stage bar support and fixing elements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1 screen for multi-stage busbar and fixing elements                                                                                                              |
| <b>Reference</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Reference</b>                                                                                                                                                 |
| <b>04192</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>04197</b>                                                                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                  |



### Table

The following table shows:

- The cross-section of the bars that will be used according to the current-carrying capacity in the busbar.
- The distance between the bar supports that will be installed according to the rated short-time withstand current: I<sub>cw</sub>.

| Rating (A) | Bar cross-section (mm) | Centre-to-centre distance of the supports (mm) |     |    |     |                    |
|------------|------------------------|------------------------------------------------|-----|----|-----|--------------------|
|            |                        | I <sub>cw</sub> (kA eff/1 s)                   |     |    |     |                    |
|            |                        | 10                                             | 13  | 15 | 20  | 25                 |
| 160        | 15 x 5                 |                                                |     |    |     |                    |
| 250        | 20 x 5                 |                                                |     |    |     |                    |
| 400        | 32 x 5                 |                                                |     |    |     |                    |
| 630        | 32 x 8                 |                                                | 450 |    | 300 | 300 <sup>(1)</sup> |

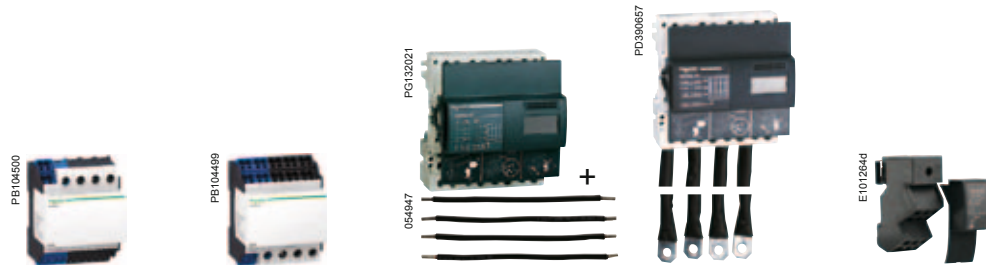
(1) I<sub>cw</sub> (kA eff/0.6 s).

# Power distribution

## Busbars and blocks

### Lineryg DX

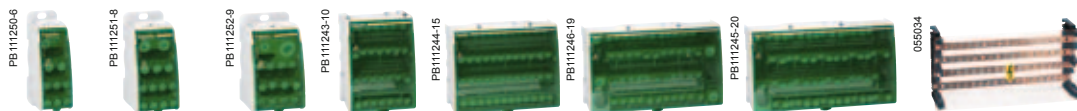
#### Fast connection distribution blocks



| Characteristics                                      |                    | Lineryg DX                                                                                            |                                                                                                          |                                                                                                                                                                                              |                                                                                                                                                                                                                      |                                                                    |
|------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| Rating                                               |                    | 63 A                                                                                                  | 125 A                                                                                                    | 160 A                                                                                                                                                                                        | 160 A                                                                                                                                                                                                                | 160 A                                                              |
|                                                      |                    | <ul style="list-style-type: none"> <li>Incoming through the top.</li> <li>Clip-on to rail.</li> </ul> | <ul style="list-style-type: none"> <li>Incoming through the bottom.</li> <li>Clip-on to rail.</li> </ul> | <ul style="list-style-type: none"> <li>Set of 4 35 mm<sup>2</sup> flexible connections, length 210 mm to be ordered separately (cat. no. <b>04047</b>).</li> <li>Clip-on to rail.</li> </ul> | <ul style="list-style-type: none"> <li>Set of 4 prefabricated flexible connections supplied, for connection with an INS100/160 or NSA160 switch, installed on the right or left.</li> <li>Clip-on to rail</li> </ul> | <ul style="list-style-type: none"> <li>Clip-on to rail.</li> </ul> |
| Number of poles                                      |                    | 4P                                                                                                    | 4P                                                                                                       | 4P                                                                                                                                                                                           |                                                                                                                                                                                                                      | 1P                                                                 |
| Total connection capacity (dia. for flexible cables) | 4 mm <sup>2</sup>  | -                                                                                                     | 7                                                                                                        |                                                                                                                                                                                              |                                                                                                                                                                                                                      | -                                                                  |
|                                                      | 6 mm <sup>2</sup>  | 12 per phase + 12 neutral                                                                             | 3                                                                                                        |                                                                                                                                                                                              |                                                                                                                                                                                                                      | 6                                                                  |
|                                                      | 10 mm <sup>2</sup> | -                                                                                                     | 2                                                                                                        |                                                                                                                                                                                              |                                                                                                                                                                                                                      | -                                                                  |
|                                                      | 16 mm <sup>2</sup> | -                                                                                                     | 1 tunnel terminal                                                                                        |                                                                                                                                                                                              |                                                                                                                                                                                                                      | 6                                                                  |
|                                                      | 25 mm <sup>2</sup> | 4 tunnel terminals per phase + 1 neutral                                                              | -                                                                                                        |                                                                                                                                                                                              |                                                                                                                                                                                                                      | -                                                                  |
|                                                      | 35 mm <sup>2</sup> | -                                                                                                     | 1 tunnel terminal                                                                                        |                                                                                                                                                                                              |                                                                                                                                                                                                                      | -                                                                  |
| Size                                                 | in 9 mm modules    | 8                                                                                                     | 12                                                                                                       |                                                                                                                                                                                              |                                                                                                                                                                                                                      | 4.5                                                                |
|                                                      | in 18 mm modules   | 4                                                                                                     | 6                                                                                                        |                                                                                                                                                                                              |                                                                                                                                                                                                                      | 2.5                                                                |
| References                                           |                    | <b>04040</b>                                                                                          | <b>04041</b>                                                                                             | <b>04045 + 04047</b>                                                                                                                                                                         | <b>04046</b>                                                                                                                                                                                                         | <b>04031</b>                                                       |

### Lineryg DS and Lineryg BS

#### Screw connection distribution blocks



| Characteristics                   |                  | Lineryg DS       |                  |                  |                  |                  |                  |                  | Lineryg BS                                                                                                                            |              |              |
|-----------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|
| Rating                            |                  | 125 A            | 160 A            | 250 A            | 100 A            | 125 A            | 160 A            | 160 A            | 250 A                                                                                                                                 | 400 A        |              |
|                                   |                  | Clip-on to rail. |                  |                  | Clip-on to rail. |                  |                  |                  | <ul style="list-style-type: none"> <li>To be screwed on back.</li> <li>13 M6 tapped holes + 4 plain holes of dia. 12.2 mm.</li> </ul> |              |              |
| Number of poles                   |                  | 2P               |                  |                  | 4P               |                  |                  |                  | 4P                                                                                                                                    |              |              |
| Total connection capacity         |                  | 10               | 13               | 14               | 4 x 7            | 4 x 12           | 4 x 15           | 4 x 12           | 4 + 13 (dia. for flexible cables: 50 mm <sup>2</sup> )                                                                                |              |              |
|                                   | Size             |                  |                  |                  |                  |                  |                  |                  |                                                                                                                                       |              |              |
| Size                              | in 9 mm modules  | 3                | 4                | 5                | 8                | 14               | 20               | 18               | -                                                                                                                                     | -            | -            |
|                                   | in 18 mm modules | -                | -                | -                | -                | -                | -                | -                | -                                                                                                                                     | -            | -            |
| References                        |                  | <b>LGY112510</b> | <b>LGY116013</b> | <b>LGY125014</b> | <b>LGY410028</b> | <b>LGY412548</b> | <b>LGY412560</b> | <b>LGY416048</b> | <b>04052</b>                                                                                                                          | <b>04053</b> | <b>04054</b> |
| Neutral terminal strip (optional) |                  | -                | -                | -                | LGYN1007         | LGYN12512        | LGYN12515        | LGYN12512        | -                                                                                                                                     | -            | -            |

### Lineryg FM

#### Insulated busbars - spring connection



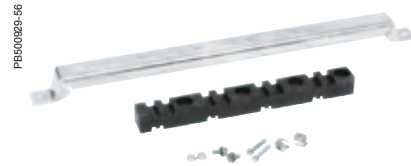
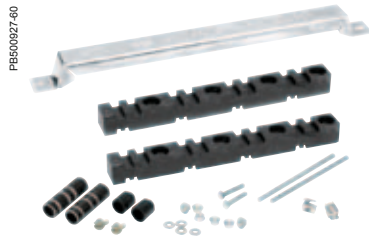
| Characteristics                |                         | Lineryg FM: for cable links                                            |                                                                       |                                                                                                                                |                                                                                                                                                                         |          |
|--------------------------------|-------------------------|------------------------------------------------------------------------|-----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Rating                         |                         | 63 A                                                                   | 80 A                                                                  | 160 A                                                                                                                          | 200 A                                                                                                                                                                   |          |
| Length                         | in 9 mm modules         | 24                                                                     | 96                                                                    | 48                                                                                                                             | 48                                                                                                                                                                      | 72       |
|                                | in 18 mm modules        | 12                                                                     | 48                                                                    | 24                                                                                                                             | 24                                                                                                                                                                      | 36       |
| Upstream connection capacity   |                         | Tunnel terminals for cables up to 25 mm <sup>2</sup>                   | Tunnel terminals for cables up to 25 mm <sup>2</sup>                  | Direct on connecting pads by 50 mm <sup>2</sup> cables or by 20 x 3 flexible bar with a prefabricated connection from a busbar |                                                                                                                                                                         |          |
| Downstream connection capacity | Max. 4 mm <sup>2</sup>  | Phase 2<br>Neutral 4                                                   | -                                                                     | -                                                                                                                              | -                                                                                                                                                                       |          |
|                                | Max. 6 mm <sup>2</sup>  | Phase 2<br>Neutral 4                                                   | -                                                                     | -                                                                                                                              | -                                                                                                                                                                       |          |
|                                | Max. 10 mm <sup>2</sup> | Phase -<br>Neutral -                                                   | 18<br>18                                                              | 6<br>6                                                                                                                         | 12<br>18                                                                                                                                                                | 18<br>27 |
|                                | Accessories included    | Pre-stripped copper connections<br>Protective cover<br>Screws and nuts | 10 of 4 mm <sup>2</sup> + 6 of 6 mm <sup>2</sup> (L=100 mm)<br>-<br>- | 12 blue + 12 black<br>-<br>-                                                                                                   | 20 of 4 mm <sup>2</sup> + 6 of 6 mm <sup>2</sup> (L=100 mm)<br>For pads (IPxxB)<br>For pads                                                                             |          |
| <b>References</b>              |                         |                                                                        |                                                                       |                                                                                                                                |                                                                                                                                                                         |          |
| 2P                             |                         | -                                                                      | -                                                                     | -                                                                                                                              | 04012                                                                                                                                                                   | -        |
| 3P                             |                         | -                                                                      | -                                                                     | -                                                                                                                              | 04013                                                                                                                                                                   | -        |
| 4P                             |                         | 04008                                                                  | 04000                                                                 | 04018                                                                                                                          | 04014                                                                                                                                                                   | 04026    |
| <b>Accessories</b>             |                         |                                                                        |                                                                       |                                                                                                                                |                                                                                                                                                                         |          |
| Type                           |                         | Manufactured cable links for upstream liaison                          |                                                                       |                                                                                                                                |                                                                                                                                                                         |          |
| References / type of liaison   |                         | -                                                                      | -                                                                     | 4 x 160 A cable links<br>04030 - Between Lineryg FM and switchgear                                                             | 4 x 200 A cable links<br>04021 - Between Lineryg FM and Powerclip busbar<br>04029 - Between Lineryg FM and back busbar<br>04024 - Between Lineryg FM and busbar in duck |          |

# Power distribution

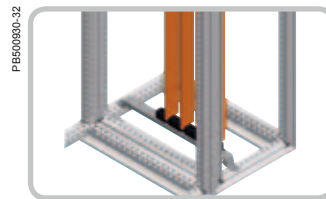
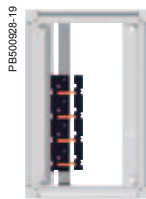
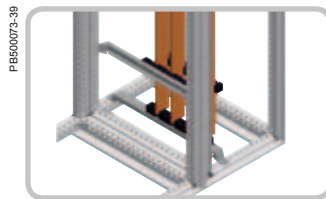
## Busbar support accessories

SF

### Vertical



| Characteristics               | Vertical bar support up to 3200 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Setting support                                                                                                                                                                                                                                                                                  |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                               | <ul style="list-style-type: none"> <li>Support prepared for fixing bars in vertical position, mounted directly on the structure of the enclosure. Adjustable height with a pitch of 25 mm.</li> <li>Maximum nominal rating:                             <ul style="list-style-type: none"> <li>1600 A for 5 mm bars.</li> <li>3200 A for 10 mm bars.</li> </ul> </li> <li>The number and the distance between supports, according to the nominal current and the short-circuit current, are stated in the enclosed table*.</li> </ul> | <ul style="list-style-type: none"> <li>Bottom support for bars in vertical position.</li> <li>It is fixed to the bottom frame of the enclosure.</li> <li>It is required for supporting the bars.</li> <li>It is not considered a bar support when calculating the number of supports.</li> </ul> |
| Supply                        | 2 insulating bar supports, 1 metal vertical support and fixing elements                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1 insulating bar support, 1 metal vertical support and fixing elements                                                                                                                                                                                                                           |
| <b>Width / Depth (B) (mm)</b> | <b>References</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                  |
| 400                           | <b>NSYBVS400</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>NSYAS400</b>                                                                                                                                                                                                                                                                                  |
| 500                           | <b>NSYBVS500</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>NSYAS500</b>                                                                                                                                                                                                                                                                                  |
| 600                           | <b>NSYBVS600</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>NSYAS600</b>                                                                                                                                                                                                                                                                                  |
| 800                           | <b>NSYBVS800</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>NSYAS800</b>                                                                                                                                                                                                                                                                                  |
|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                  |



# Power distribution

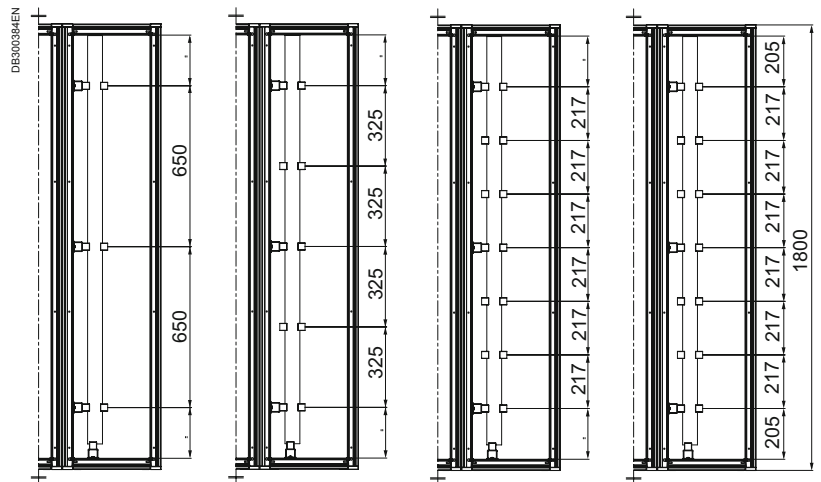
## Busbar support accessories

### Selection of the number of supports

- The number and cross-section of the bars are chosen for each phase, according to the nominal rating.
- Determine the short-circuit current  $I_{cw}$  (kA) and use the table to obtain the maximum distance between supports.
- Based on the maximum distance between supports, obtain the number of supports to be installed according to the following criterion:
  - three vertical supports must necessarily be fixed to the structure (ref. **NSYBVS...**),
  - if more than three supports are required, the support arms must be used (ref. **NSYBSA**), in even numbers (2, 4, etc.).

#### Example

- $I_n$ : 2000 A, two 60 x 10 bars are required per phase.
- $I_{cw}$ : 50 kA.
- According to the table of maximum distance between supports they must be 325 mm.
- Length of the copper bars: 1800 mm.
- $1700/325 = 5.23$ , which means 6 supports, 3 fixed vertical supports and 3 support arms + 1 extra support for the number to be even.



Table

| Sets of vertical bars    |                    |                       | Maximum distance between bar supports (mm) according to the short-circuit current, $I_{cw}$ (kA) |     |     |     |     |     |     |     |     |  |
|--------------------------|--------------------|-----------------------|--------------------------------------------------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Nominal rating $I_n$ (A) | Cross-section (mm) | No. of bars per phase | $I_{cw}$ (kA)                                                                                    |     |     |     |     |     |     |     |     |  |
|                          |                    |                       | 15                                                                                               | 25  | 30  | 40  | 50  | 60  | 65  | 75  | 85  |  |
| 750                      | 60 x 5             | 1                     | 650                                                                                              | 325 | 325 | 217 | -   | -   | -   | -   | -   |  |
| 900                      | 80 x 5             | 1                     | 650                                                                                              | 325 | 325 | 217 | -   | -   | -   | -   | -   |  |
| 1250                     | 60 x 5             | 2                     | 650                                                                                              | 325 | 325 | 217 | 163 | -   | -   | -   | -   |  |
| 1600                     | 80 x 5             | 2                     | 650                                                                                              | 325 | 325 | 217 | 217 | -   | -   | -   | -   |  |
| 1080                     | 50 x 10            | 1                     | 650                                                                                              | 650 | 650 | 325 | 217 | 217 | -   | -   | -   |  |
| 1250                     | 60 x 10            | 1                     | 650                                                                                              | 650 | 650 | 325 | 325 | 217 | -   | -   | -   |  |
| 1600                     | 80 x 10            | 1                     | 650                                                                                              | 650 | 650 | 325 | 325 | 217 | -   | -   | -   |  |
| 1850                     | 50 x 10            | 2                     | 650                                                                                              | 650 | 325 | 325 | 325 | 217 | 217 | 217 | -   |  |
| 2000                     | 60 x 10            | 2                     | 650                                                                                              | 650 | 650 | 325 | 325 | 325 | 217 | 217 | -   |  |
| 2500                     | 80 x 10            | 2                     | 650                                                                                              | 650 | 650 | 325 | 325 | 325 | 325 | 217 | -   |  |
| 2800                     | 100 x 10           | 2                     | 650                                                                                              | 650 | 650 | 650 | 325 | 325 | 325 | 217 | 163 |  |

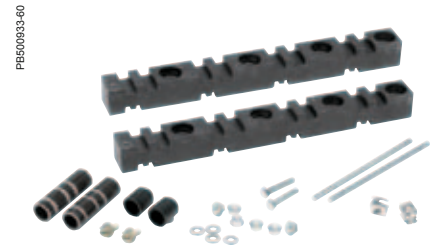
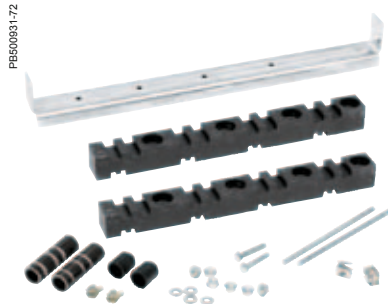
**Note:** The current-carrying capacity values in the set of bars are given for an ambient temperature of 35°C around the busbar. The nominal rating values are indicated for IP55. The maximum values (3200 A) are achieved with ambient temperatures of less than 35°C, varying according to the configuration and position of the busbar. See enclosed table of current-carrying capacities according to temperature, page 263.

# Power distribution

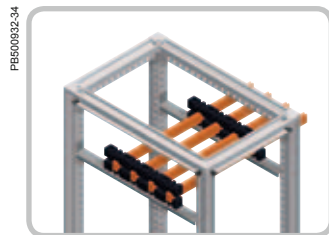
## Busbar support accessories

SF SFX

### Horizontal



| Characteristics        | Horizontal bar support up to 3200 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Bar support arm                                                                                                                                                                                                                                                                                                                                      |            |     |           |     |           |     |           |                                                                                                                                                                                                           |           |        |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----|-----------|-----|-----------|-----|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|
|                        | <ul style="list-style-type: none"> <li>■ Support prepared for fixing bars in horizontal position.</li> <li>■ Direct mounting to the structure of the enclosure, on the vertical uprights, at any height, adjustable with a pitch of 25 mm.</li> <li>■ Maximum nominal rating:                             <ul style="list-style-type: none"> <li>□ 1600 A for 5 mm bars,</li> <li>□ 3200 A for 10 mm bars.</li> </ul> </li> <li>■ The number and the distance between supports, according to the nominal and short-circuit current, are stated in the enclosed table*.</li> </ul> | <ul style="list-style-type: none"> <li>■ Support without fixing to the enclosure, required to guarantee the distance between the bars.</li> <li>■ It is used on bars in both vertical and horizontal position.</li> <li>■ To choose the number of supports, see the tables of maximum distances between supports, pages 256, 261 and 263.</li> </ul> |            |     |           |     |           |     |           |                                                                                                                                                                                                           |           |        |
| Supply                 | 2 insulating bar supports, 1 metal horizontal support and fixing elements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2 insulating bar supports and fixing elements                                                                                                                                                                                                                                                                                                        |            |     |           |     |           |     |           |                                                                                                                                                                                                           |           |        |
|                        | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #cccccc;">Width / Depth (B) (mm)</th> <th style="background-color: #cccccc;">References</th> </tr> </thead> <tbody> <tr> <td>500</td> <td>NSYBHS500</td> </tr> <tr> <td>600</td> <td>NSYBHS600</td> </tr> <tr> <td>800</td> <td>NSYBHS800</td> </tr> </tbody> </table>                                                                                                                                                                                               | Width / Depth (B) (mm)                                                                                                                                                                                                                                                                                                                               | References | 500 | NSYBHS500 | 600 | NSYBHS600 | 800 | NSYBHS800 | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #cccccc;">Reference</th> </tr> </thead> <tbody> <tr> <td>NSYBSA</td> </tr> </tbody> </table> | Reference | NSYBSA |
| Width / Depth (B) (mm) | References                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                      |            |     |           |     |           |     |           |                                                                                                                                                                                                           |           |        |
| 500                    | NSYBHS500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                      |            |     |           |     |           |     |           |                                                                                                                                                                                                           |           |        |
| 600                    | NSYBHS600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                      |            |     |           |     |           |     |           |                                                                                                                                                                                                           |           |        |
| 800                    | NSYBHS800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                      |            |     |           |     |           |     |           |                                                                                                                                                                                                           |           |        |
| Reference              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                      |            |     |           |     |           |     |           |                                                                                                                                                                                                           |           |        |
| NSYBSA                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                      |            |     |           |     |           |     |           |                                                                                                                                                                                                           |           |        |
|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                      |            |     |           |     |           |     |           |                                                                                                                                                                                                           |           |        |





Table

| Sets of vertical bars    |                    |                       | Maximum distance between bar supports (mm) according to the short-circuit current $I_{cw}$ (kA) |     |     |     |     |     |     |     |     |
|--------------------------|--------------------|-----------------------|-------------------------------------------------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| Nominal rating $I_n$ (A) | Cross-section (mm) | No. of bars per phase | 15                                                                                              | 25  | 30  | 40  | 50  | 60  | 65  | 75  | 85  |
| 750                      | 60 x 5             | 1                     | 650                                                                                             | 325 | 325 | 217 | -   | -   | -   | -   | -   |
| 900                      | 80 x 5             | 1                     | 650                                                                                             | 325 | 325 | 217 | -   | -   | -   | -   | -   |
| 1250                     | 60 x 5             | 2                     | 650                                                                                             | 325 | 325 | 217 | 163 | 163 | 130 | 108 | 81  |
| 1600                     | 80 x 5             | 2                     | 650                                                                                             | 325 | 325 | 217 | 217 | 163 | 130 | 108 | 81  |
| 1080                     | 50 x 10            | 1                     | 650                                                                                             | 650 | 650 | 325 | 217 | 217 | 163 | -   | -   |
| 1250                     | 60 x 10            | 1                     | 650                                                                                             | 650 | 650 | 325 | 325 | 217 | 163 | 130 | 108 |
| 1600                     | 80 x 10            | 1                     | 650                                                                                             | 650 | 650 | 325 | 325 | 217 | 163 | 130 | 108 |
| 1850                     | 50 x 10            | 2                     | 650                                                                                             | 650 | 325 | 325 | 325 | 217 | 217 | 217 | 163 |
| 2000                     | 60 x 10            | 2                     | 650                                                                                             | 650 | 650 | 325 | 325 | 325 | 217 | 217 | 163 |
| 2500                     | 80 x 10            | 2                     | 650                                                                                             | 650 | 650 | 325 | 325 | 325 | 325 | 217 | 163 |
| 2800                     | 100 x 10           | 2                     | 650                                                                                             | 650 | 650 | 650 | 325 | 325 | 325 | 217 | 163 |

**Note:** The current-carrying capacity values in the set of bars are given for an ambient temperature of 35°C around the busbar. The nominal rating values are indicated for IP55. The maximum values (3200 A) are achieved with ambient temperatures of less than 35°C, varying according to the configuration and position of the busbar. See enclosed table of current-carrying capacities according to temperature.

### Selection of the number of supports

- The number and cross-section of the bars are chosen for each phase, according to the nominal rating.
- Determine the short-circuit current  $I_{cw}$  (kA) and use the table to obtain the maximum distance between supports.
- Based on the maximum distance between supports, obtain the number of supports to be installed according to the following criterion:
  - two supports must necessarily be fixed to the structure per enclosure. In the event of enclosure suites, only one support is required, fixed to one of the uprights of the coupling,
  - if more than two supports are required per enclosure, the support arms must be used (ref. NSYBSA).



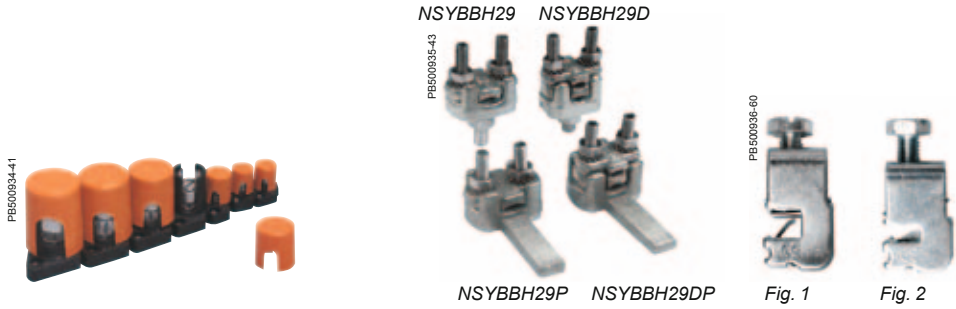
Table of current-carrying capacities according to temperature

| Type of bars       |                       | Current-carrying capacity (A) according to the ambient temperature around the frame |      |      |      |      |
|--------------------|-----------------------|-------------------------------------------------------------------------------------|------|------|------|------|
| Cross-section (mm) | No. of bars per phase | 25°C                                                                                | 30°C | 35°C | 40°C | 45°C |
| 60 x 5             | 1                     | 840                                                                                 | 790  | 750  | 700  | 650  |
| 80 x 5             | 1                     | 1050                                                                                | 990  | 900  | 870  | 810  |
| 60 x 5             | 2                     | 1420                                                                                | 1350 | 1250 | 1180 | 1090 |
| 80 x 5             | 2                     | 1820                                                                                | 1720 | 1600 | 1510 | 1390 |
| 50 x 10            | 1                     | 1220                                                                                | 1160 | 1080 | 1010 | 940  |
| 60 x 10            | 1                     | 1400                                                                                | 1320 | 1250 | 1160 | 1070 |
| 80 x 10            | 1                     | 1800                                                                                | 1700 | 1600 | 1500 | 1390 |
| 50 x 10            | 2                     | 2090                                                                                | 1980 | 1850 | 1740 | 1610 |
| 60 x 10            | 2                     | 2270                                                                                | 2140 | 2000 | 1870 | 1720 |
| 80 x 10            | 2                     | 2820                                                                                | 2660 | 2500 | 2330 | 2160 |
| 100 x 10           | 2                     | 3200                                                                                | 3100 | 2800 | 2720 | 2510 |

**Note:** The rating values according to temperature are not exhaustive, since they depend on the configuration and position of the bars inside the enclosure.

# Power distribution

## Distribution blocks



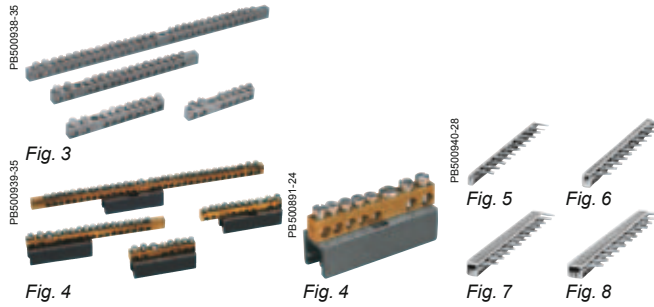
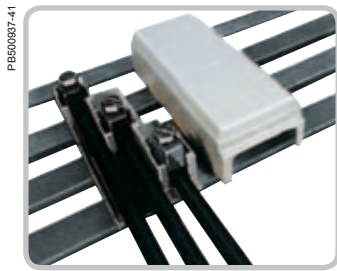
| Characteristics                           | Sigma safety terminals*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Bimetal terminals                                                                                                                                                                                                                                                                          | Plate/cable terminals                                           |    |    |            |   |            |       |    |    |    |    |   |        |       |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |    |          |        |    |    |    |    |    |        |        |    |    |    |    |    |        |         |    |    |    |    |    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                     |            |      |   |          |      |   |           |       |   |          |        |   |          |        |   |          |      |      |           |       |       |           |        |        |           |        |       |           |      |   |           |      |      |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                      |      |            |           |   |   |            |           |   |   |            |           |   |   |             |           |    |   |             |           |    |   |             |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|----|----|------------|---|------------|-------|----|----|----|----|---|--------|-------|----|----|----|----|---|--------|--------|----|----|----|----|---|--------|--------|----|----|----|----|---|--------|--------|----|----|----|----|----|----------|--------|----|----|----|----|----|--------|--------|----|----|----|----|----|--------|---------|----|----|----|----|----|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------------|------------|------|---|----------|------|---|-----------|-------|---|----------|--------|---|----------|--------|---|----------|------|------|-----------|-------|-------|-----------|--------|--------|-----------|--------|-------|-----------|------|---|-----------|------|------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------|------|------------|-----------|---|---|------------|-----------|---|---|------------|-----------|---|---|-------------|-----------|----|---|-------------|-----------|----|---|-------------|
|                                           | <p>Safety terminals made from self-extinguishing Polyamide-6, with matt black base, MS-58 brass terminal (DIN 17660), tempered, zinc-plated and dichromated steel ring, and cover made from orange-coloured self-extinguishing polypropylene.</p> <ul style="list-style-type: none"> <li>■ Anti-shearing: the connection is made by means of a tightening mechanism, which distributes the pressure across the entire contact surface, avoiding friction and occasional stress that can damage the conductors.</li> <li>■ Unloosenable: the ring that surrounds the brass body guarantees that the pressure exerted by the actual conductors cannot open the terminal and loosen the connection.</li> <li>■ Full insulation: all the SIGMA "S" terminals are supplied with a terminal-covering cap, avoiding any accidental contact with live parts. All the gauges can be coupled together, forming strips of any length. Operating voltage: 500 V.</li> </ul>                                                                                   | <p>Terminals specially designed for the junction of cables on plates, their main application is in busbar connections. The bimetal terminals are made from a copper alloy, hot-stamped and tin plated, suitable for connecting a copper or aluminium conductor indistinctly (bimetal).</p> | <p>Entry by plate and junction by cable, plate or terminal.</p> |    |    |            |   |            |       |    |    |    |    |   |        |       |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |    |          |        |    |    |    |    |    |        |        |    |    |    |    |    |        |         |    |    |    |    |    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                     |            |      |   |          |      |   |           |       |   |          |        |   |          |        |   |          |      |      |           |       |       |           |        |        |           |        |       |           |      |   |           |      |      |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                      |      |            |           |   |   |            |           |   |   |            |           |   |   |             |           |    |   |             |           |    |   |             |
| Supply                                    | 20 units (except for ref. NSYS95100: 10 units)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4 bimetal terminals                                                                                                                                                                                                                                                                        | 1 junction terminal                                             |    |    |            |   |            |       |    |    |    |    |   |        |       |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |    |          |        |    |    |    |    |    |        |        |    |    |    |    |    |        |         |    |    |    |    |    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                     |            |      |   |          |      |   |           |       |   |          |        |   |          |        |   |          |      |      |           |       |       |           |        |        |           |        |       |           |      |   |           |      |      |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                      |      |            |           |   |   |            |           |   |   |            |           |   |   |             |           |    |   |             |           |    |   |             |
|                                           | <table border="1"> <thead> <tr> <th>Section (mm<sup>2</sup>)</th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>E</th> <th>References</th> </tr> </thead> <tbody> <tr> <td>1 x 4</td> <td>30</td> <td>20</td> <td>13</td> <td>21</td> <td>4</td> <td>NSYS04</td> </tr> <tr> <td>1 x 6</td> <td>33</td> <td>25</td> <td>16</td> <td>24</td> <td>7</td> <td>NSYS06</td> </tr> <tr> <td>1 x 10</td> <td>38</td> <td>28</td> <td>16</td> <td>28</td> <td>6</td> <td>NSYS10</td> </tr> <tr> <td>1 x 16</td> <td>42</td> <td>32</td> <td>19</td> <td>32</td> <td>9</td> <td>NSYS16</td> </tr> <tr> <td>1 x 35</td> <td>46</td> <td>38</td> <td>23</td> <td>34</td> <td>11</td> <td>NSYS2535</td> </tr> <tr> <td>1 x 50</td> <td>52</td> <td>45</td> <td>27</td> <td>40</td> <td>15</td> <td>NSYS50</td> </tr> <tr> <td>1 x 70</td> <td>55</td> <td>50</td> <td>30</td> <td>40</td> <td>15</td> <td>NSYS70</td> </tr> <tr> <td>1 x 100</td> <td>58</td> <td>54</td> <td>33</td> <td>40</td> <td>20</td> <td>NSYS95100</td> </tr> </tbody> </table><br> | Section (mm <sup>2</sup> )                                                                                                                                                                                                                                                                 | A                                                               | B  | C  | D          | E | References | 1 x 4 | 30 | 20 | 13 | 21 | 4 | NSYS04 | 1 x 6 | 33 | 25 | 16 | 24 | 7 | NSYS06 | 1 x 10 | 38 | 28 | 16 | 28 | 6 | NSYS10 | 1 x 16 | 42 | 32 | 19 | 32 | 9 | NSYS16 | 1 x 35 | 46 | 38 | 23 | 34 | 11 | NSYS2535 | 1 x 50 | 52 | 45 | 27 | 40 | 15 | NSYS50 | 1 x 70 | 55 | 50 | 30 | 40 | 15 | NSYS70 | 1 x 100 | 58 | 54 | 33 | 40 | 20 | NSYS95100 | <table border="1"> <thead> <tr> <th>Main section (mm<sup>2</sup>)</th> <th>Junction section (mm<sup>2</sup>)</th> <th>References</th> </tr> </thead> <tbody> <tr> <td>6-50</td> <td>-</td> <td>NSYBBH29</td> </tr> <tr> <td>6-50</td> <td>-</td> <td>NSYBBH29C</td> </tr> <tr> <td>10-95</td> <td>-</td> <td>NSYBBH30</td> </tr> <tr> <td>16-150</td> <td>-</td> <td>NSYBBH31</td> </tr> <tr> <td>50-240</td> <td>-</td> <td>NSYBBH32</td> </tr> <tr> <td>6-50</td> <td>6-50</td> <td>NSYBBH29D</td> </tr> <tr> <td>10-95</td> <td>10-95</td> <td>NSYBBH30D</td> </tr> <tr> <td>25-150</td> <td>16-150</td> <td>NSYBBH31D</td> </tr> <tr> <td>95-240</td> <td>5-240</td> <td>NSYBBH32D</td> </tr> <tr> <td>6-50</td> <td>-</td> <td>NSYBBH29P</td> </tr> <tr> <td>6-50</td> <td>6-50</td> <td>NSYBBH29DPC</td> </tr> </tbody> </table> | Main section (mm <sup>2</sup> ) | Junction section (mm <sup>2</sup> ) | References | 6-50 | - | NSYBBH29 | 6-50 | - | NSYBBH29C | 10-95 | - | NSYBBH30 | 16-150 | - | NSYBBH31 | 50-240 | - | NSYBBH32 | 6-50 | 6-50 | NSYBBH29D | 10-95 | 10-95 | NSYBBH30D | 25-150 | 16-150 | NSYBBH31D | 95-240 | 5-240 | NSYBBH32D | 6-50 | - | NSYBBH29P | 6-50 | 6-50 | NSYBBH29DPC | <table border="1"> <thead> <tr> <th>Junction cable section (mm<sup>2</sup>)</th> <th>Plate thickness (mm)</th> <th>Fig.</th> <th>References</th> </tr> </thead> <tbody> <tr> <td>1.5 to 16</td> <td>5</td> <td>2</td> <td>NSYBPCH516</td> </tr> <tr> <td>1.5 to 50</td> <td>5</td> <td>2</td> <td>NSYBPCH550</td> </tr> <tr> <td>16 to 120</td> <td>5</td> <td>2</td> <td>NSYBPCH5120</td> </tr> <tr> <td>1.5 to 16</td> <td>10</td> <td>1</td> <td>NSYBPCH1016</td> </tr> <tr> <td>1.5 to 50</td> <td>10</td> <td>1</td> <td>NSYBPCH1050</td> </tr> </tbody> </table> | Junction cable section (mm <sup>2</sup> ) | Plate thickness (mm) | Fig. | References | 1.5 to 16 | 5 | 2 | NSYBPCH516 | 1.5 to 50 | 5 | 2 | NSYBPCH550 | 16 to 120 | 5 | 2 | NSYBPCH5120 | 1.5 to 16 | 10 | 1 | NSYBPCH1016 | 1.5 to 50 | 10 | 1 | NSYBPCH1050 |
| Section (mm <sup>2</sup> )                | A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | B                                                                                                                                                                                                                                                                                          | C                                                               | D  | E  | References |   |            |       |    |    |    |    |   |        |       |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |    |          |        |    |    |    |    |    |        |        |    |    |    |    |    |        |         |    |    |    |    |    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                     |            |      |   |          |      |   |           |       |   |          |        |   |          |        |   |          |      |      |           |       |       |           |        |        |           |        |       |           |      |   |           |      |      |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                      |      |            |           |   |   |            |           |   |   |            |           |   |   |             |           |    |   |             |           |    |   |             |
| 1 x 4                                     | 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 20                                                                                                                                                                                                                                                                                         | 13                                                              | 21 | 4  | NSYS04     |   |            |       |    |    |    |    |   |        |       |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |    |          |        |    |    |    |    |    |        |        |    |    |    |    |    |        |         |    |    |    |    |    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                     |            |      |   |          |      |   |           |       |   |          |        |   |          |        |   |          |      |      |           |       |       |           |        |        |           |        |       |           |      |   |           |      |      |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                      |      |            |           |   |   |            |           |   |   |            |           |   |   |             |           |    |   |             |           |    |   |             |
| 1 x 6                                     | 33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 25                                                                                                                                                                                                                                                                                         | 16                                                              | 24 | 7  | NSYS06     |   |            |       |    |    |    |    |   |        |       |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |    |          |        |    |    |    |    |    |        |        |    |    |    |    |    |        |         |    |    |    |    |    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                     |            |      |   |          |      |   |           |       |   |          |        |   |          |        |   |          |      |      |           |       |       |           |        |        |           |        |       |           |      |   |           |      |      |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                      |      |            |           |   |   |            |           |   |   |            |           |   |   |             |           |    |   |             |           |    |   |             |
| 1 x 10                                    | 38                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 28                                                                                                                                                                                                                                                                                         | 16                                                              | 28 | 6  | NSYS10     |   |            |       |    |    |    |    |   |        |       |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |    |          |        |    |    |    |    |    |        |        |    |    |    |    |    |        |         |    |    |    |    |    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                     |            |      |   |          |      |   |           |       |   |          |        |   |          |        |   |          |      |      |           |       |       |           |        |        |           |        |       |           |      |   |           |      |      |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                      |      |            |           |   |   |            |           |   |   |            |           |   |   |             |           |    |   |             |           |    |   |             |
| 1 x 16                                    | 42                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 32                                                                                                                                                                                                                                                                                         | 19                                                              | 32 | 9  | NSYS16     |   |            |       |    |    |    |    |   |        |       |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |    |          |        |    |    |    |    |    |        |        |    |    |    |    |    |        |         |    |    |    |    |    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                     |            |      |   |          |      |   |           |       |   |          |        |   |          |        |   |          |      |      |           |       |       |           |        |        |           |        |       |           |      |   |           |      |      |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                      |      |            |           |   |   |            |           |   |   |            |           |   |   |             |           |    |   |             |           |    |   |             |
| 1 x 35                                    | 46                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 38                                                                                                                                                                                                                                                                                         | 23                                                              | 34 | 11 | NSYS2535   |   |            |       |    |    |    |    |   |        |       |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |    |          |        |    |    |    |    |    |        |        |    |    |    |    |    |        |         |    |    |    |    |    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                     |            |      |   |          |      |   |           |       |   |          |        |   |          |        |   |          |      |      |           |       |       |           |        |        |           |        |       |           |      |   |           |      |      |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                      |      |            |           |   |   |            |           |   |   |            |           |   |   |             |           |    |   |             |           |    |   |             |
| 1 x 50                                    | 52                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 45                                                                                                                                                                                                                                                                                         | 27                                                              | 40 | 15 | NSYS50     |   |            |       |    |    |    |    |   |        |       |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |    |          |        |    |    |    |    |    |        |        |    |    |    |    |    |        |         |    |    |    |    |    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                     |            |      |   |          |      |   |           |       |   |          |        |   |          |        |   |          |      |      |           |       |       |           |        |        |           |        |       |           |      |   |           |      |      |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                      |      |            |           |   |   |            |           |   |   |            |           |   |   |             |           |    |   |             |           |    |   |             |
| 1 x 70                                    | 55                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 50                                                                                                                                                                                                                                                                                         | 30                                                              | 40 | 15 | NSYS70     |   |            |       |    |    |    |    |   |        |       |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |    |          |        |    |    |    |    |    |        |        |    |    |    |    |    |        |         |    |    |    |    |    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                     |            |      |   |          |      |   |           |       |   |          |        |   |          |        |   |          |      |      |           |       |       |           |        |        |           |        |       |           |      |   |           |      |      |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                      |      |            |           |   |   |            |           |   |   |            |           |   |   |             |           |    |   |             |           |    |   |             |
| 1 x 100                                   | 58                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 54                                                                                                                                                                                                                                                                                         | 33                                                              | 40 | 20 | NSYS95100  |   |            |       |    |    |    |    |   |        |       |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |    |          |        |    |    |    |    |    |        |        |    |    |    |    |    |        |         |    |    |    |    |    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                     |            |      |   |          |      |   |           |       |   |          |        |   |          |        |   |          |      |      |           |       |       |           |        |        |           |        |       |           |      |   |           |      |      |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                      |      |            |           |   |   |            |           |   |   |            |           |   |   |             |           |    |   |             |           |    |   |             |
| Main section (mm <sup>2</sup> )           | Junction section (mm <sup>2</sup> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | References                                                                                                                                                                                                                                                                                 |                                                                 |    |    |            |   |            |       |    |    |    |    |   |        |       |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |    |          |        |    |    |    |    |    |        |        |    |    |    |    |    |        |         |    |    |    |    |    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                     |            |      |   |          |      |   |           |       |   |          |        |   |          |        |   |          |      |      |           |       |       |           |        |        |           |        |       |           |      |   |           |      |      |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                      |      |            |           |   |   |            |           |   |   |            |           |   |   |             |           |    |   |             |           |    |   |             |
| 6-50                                      | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NSYBBH29                                                                                                                                                                                                                                                                                   |                                                                 |    |    |            |   |            |       |    |    |    |    |   |        |       |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |    |          |        |    |    |    |    |    |        |        |    |    |    |    |    |        |         |    |    |    |    |    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                     |            |      |   |          |      |   |           |       |   |          |        |   |          |        |   |          |      |      |           |       |       |           |        |        |           |        |       |           |      |   |           |      |      |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                      |      |            |           |   |   |            |           |   |   |            |           |   |   |             |           |    |   |             |           |    |   |             |
| 6-50                                      | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NSYBBH29C                                                                                                                                                                                                                                                                                  |                                                                 |    |    |            |   |            |       |    |    |    |    |   |        |       |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |    |          |        |    |    |    |    |    |        |        |    |    |    |    |    |        |         |    |    |    |    |    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                     |            |      |   |          |      |   |           |       |   |          |        |   |          |        |   |          |      |      |           |       |       |           |        |        |           |        |       |           |      |   |           |      |      |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                      |      |            |           |   |   |            |           |   |   |            |           |   |   |             |           |    |   |             |           |    |   |             |
| 10-95                                     | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NSYBBH30                                                                                                                                                                                                                                                                                   |                                                                 |    |    |            |   |            |       |    |    |    |    |   |        |       |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |    |          |        |    |    |    |    |    |        |        |    |    |    |    |    |        |         |    |    |    |    |    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                     |            |      |   |          |      |   |           |       |   |          |        |   |          |        |   |          |      |      |           |       |       |           |        |        |           |        |       |           |      |   |           |      |      |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                      |      |            |           |   |   |            |           |   |   |            |           |   |   |             |           |    |   |             |           |    |   |             |
| 16-150                                    | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NSYBBH31                                                                                                                                                                                                                                                                                   |                                                                 |    |    |            |   |            |       |    |    |    |    |   |        |       |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |    |          |        |    |    |    |    |    |        |        |    |    |    |    |    |        |         |    |    |    |    |    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                     |            |      |   |          |      |   |           |       |   |          |        |   |          |        |   |          |      |      |           |       |       |           |        |        |           |        |       |           |      |   |           |      |      |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                      |      |            |           |   |   |            |           |   |   |            |           |   |   |             |           |    |   |             |           |    |   |             |
| 50-240                                    | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NSYBBH32                                                                                                                                                                                                                                                                                   |                                                                 |    |    |            |   |            |       |    |    |    |    |   |        |       |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |    |          |        |    |    |    |    |    |        |        |    |    |    |    |    |        |         |    |    |    |    |    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                     |            |      |   |          |      |   |           |       |   |          |        |   |          |        |   |          |      |      |           |       |       |           |        |        |           |        |       |           |      |   |           |      |      |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                      |      |            |           |   |   |            |           |   |   |            |           |   |   |             |           |    |   |             |           |    |   |             |
| 6-50                                      | 6-50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | NSYBBH29D                                                                                                                                                                                                                                                                                  |                                                                 |    |    |            |   |            |       |    |    |    |    |   |        |       |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |    |          |        |    |    |    |    |    |        |        |    |    |    |    |    |        |         |    |    |    |    |    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                     |            |      |   |          |      |   |           |       |   |          |        |   |          |        |   |          |      |      |           |       |       |           |        |        |           |        |       |           |      |   |           |      |      |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                      |      |            |           |   |   |            |           |   |   |            |           |   |   |             |           |    |   |             |           |    |   |             |
| 10-95                                     | 10-95                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NSYBBH30D                                                                                                                                                                                                                                                                                  |                                                                 |    |    |            |   |            |       |    |    |    |    |   |        |       |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |    |          |        |    |    |    |    |    |        |        |    |    |    |    |    |        |         |    |    |    |    |    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                     |            |      |   |          |      |   |           |       |   |          |        |   |          |        |   |          |      |      |           |       |       |           |        |        |           |        |       |           |      |   |           |      |      |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                      |      |            |           |   |   |            |           |   |   |            |           |   |   |             |           |    |   |             |           |    |   |             |
| 25-150                                    | 16-150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NSYBBH31D                                                                                                                                                                                                                                                                                  |                                                                 |    |    |            |   |            |       |    |    |    |    |   |        |       |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |    |          |        |    |    |    |    |    |        |        |    |    |    |    |    |        |         |    |    |    |    |    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                     |            |      |   |          |      |   |           |       |   |          |        |   |          |        |   |          |      |      |           |       |       |           |        |        |           |        |       |           |      |   |           |      |      |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                      |      |            |           |   |   |            |           |   |   |            |           |   |   |             |           |    |   |             |           |    |   |             |
| 95-240                                    | 5-240                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NSYBBH32D                                                                                                                                                                                                                                                                                  |                                                                 |    |    |            |   |            |       |    |    |    |    |   |        |       |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |    |          |        |    |    |    |    |    |        |        |    |    |    |    |    |        |         |    |    |    |    |    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                     |            |      |   |          |      |   |           |       |   |          |        |   |          |        |   |          |      |      |           |       |       |           |        |        |           |        |       |           |      |   |           |      |      |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                      |      |            |           |   |   |            |           |   |   |            |           |   |   |             |           |    |   |             |           |    |   |             |
| 6-50                                      | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NSYBBH29P                                                                                                                                                                                                                                                                                  |                                                                 |    |    |            |   |            |       |    |    |    |    |   |        |       |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |    |          |        |    |    |    |    |    |        |        |    |    |    |    |    |        |         |    |    |    |    |    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                     |            |      |   |          |      |   |           |       |   |          |        |   |          |        |   |          |      |      |           |       |       |           |        |        |           |        |       |           |      |   |           |      |      |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                      |      |            |           |   |   |            |           |   |   |            |           |   |   |             |           |    |   |             |           |    |   |             |
| 6-50                                      | 6-50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | NSYBBH29DPC                                                                                                                                                                                                                                                                                |                                                                 |    |    |            |   |            |       |    |    |    |    |   |        |       |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |    |          |        |    |    |    |    |    |        |        |    |    |    |    |    |        |         |    |    |    |    |    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                     |            |      |   |          |      |   |           |       |   |          |        |   |          |        |   |          |      |      |           |       |       |           |        |        |           |        |       |           |      |   |           |      |      |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                      |      |            |           |   |   |            |           |   |   |            |           |   |   |             |           |    |   |             |           |    |   |             |
| Junction cable section (mm <sup>2</sup> ) | Plate thickness (mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Fig.                                                                                                                                                                                                                                                                                       | References                                                      |    |    |            |   |            |       |    |    |    |    |   |        |       |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |    |          |        |    |    |    |    |    |        |        |    |    |    |    |    |        |         |    |    |    |    |    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                     |            |      |   |          |      |   |           |       |   |          |        |   |          |        |   |          |      |      |           |       |       |           |        |        |           |        |       |           |      |   |           |      |      |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                      |      |            |           |   |   |            |           |   |   |            |           |   |   |             |           |    |   |             |           |    |   |             |
| 1.5 to 16                                 | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2                                                                                                                                                                                                                                                                                          | NSYBPCH516                                                      |    |    |            |   |            |       |    |    |    |    |   |        |       |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |    |          |        |    |    |    |    |    |        |        |    |    |    |    |    |        |         |    |    |    |    |    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                     |            |      |   |          |      |   |           |       |   |          |        |   |          |        |   |          |      |      |           |       |       |           |        |        |           |        |       |           |      |   |           |      |      |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                      |      |            |           |   |   |            |           |   |   |            |           |   |   |             |           |    |   |             |           |    |   |             |
| 1.5 to 50                                 | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2                                                                                                                                                                                                                                                                                          | NSYBPCH550                                                      |    |    |            |   |            |       |    |    |    |    |   |        |       |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |    |          |        |    |    |    |    |    |        |        |    |    |    |    |    |        |         |    |    |    |    |    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                     |            |      |   |          |      |   |           |       |   |          |        |   |          |        |   |          |      |      |           |       |       |           |        |        |           |        |       |           |      |   |           |      |      |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                      |      |            |           |   |   |            |           |   |   |            |           |   |   |             |           |    |   |             |           |    |   |             |
| 16 to 120                                 | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2                                                                                                                                                                                                                                                                                          | NSYBPCH5120                                                     |    |    |            |   |            |       |    |    |    |    |   |        |       |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |    |          |        |    |    |    |    |    |        |        |    |    |    |    |    |        |         |    |    |    |    |    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                     |            |      |   |          |      |   |           |       |   |          |        |   |          |        |   |          |      |      |           |       |       |           |        |        |           |        |       |           |      |   |           |      |      |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                      |      |            |           |   |   |            |           |   |   |            |           |   |   |             |           |    |   |             |           |    |   |             |
| 1.5 to 16                                 | 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                                                                                                                                                                                                                                                                                          | NSYBPCH1016                                                     |    |    |            |   |            |       |    |    |    |    |   |        |       |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |    |          |        |    |    |    |    |    |        |        |    |    |    |    |    |        |         |    |    |    |    |    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                     |            |      |   |          |      |   |           |       |   |          |        |   |          |        |   |          |      |      |           |       |       |           |        |        |           |        |       |           |      |   |           |      |      |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                      |      |            |           |   |   |            |           |   |   |            |           |   |   |             |           |    |   |             |           |    |   |             |
| 1.5 to 50                                 | 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                                                                                                                                                                                                                                                                                          | NSYBPCH1050                                                     |    |    |            |   |            |       |    |    |    |    |   |        |       |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |   |        |        |    |    |    |    |    |          |        |    |    |    |    |    |        |        |    |    |    |    |    |        |         |    |    |    |    |    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                     |            |      |   |          |      |   |           |       |   |          |        |   |          |        |   |          |      |      |           |       |       |           |        |        |           |        |       |           |      |   |           |      |      |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                      |      |            |           |   |   |            |           |   |   |            |           |   |   |             |           |    |   |             |           |    |   |             |

\* Each terminal accepts up to 2 conductors with the specified section.



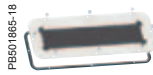
# Power distribution

## Distribution blocks



| Three-pole junction terminals                       |                            |                                           |                     | Earthing strips                                                                                                                                                                                                                                                                                                                       |      |                      | Distribution boards                                                              |                      |      |                  |
|-----------------------------------------------------|----------------------------|-------------------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------|----------------------------------------------------------------------------------|----------------------|------|------------------|
| Entry by plate and junction by cable (for busbars). |                            |                                           |                     | For the junction of neutral and earth cables.<br><ul style="list-style-type: none"> <li>Models <b>NSYRBL</b> (Fig. 3) for installation in boxes with insulating rear or by means of insulators, not supplied.</li> <li>Models <b>NSYRBLZ</b> (Fig. 4) with insulating plinth for fitting under pressure on 12 x 2-mm rail.</li> </ul> |      |                      | For distribution in a single row of circuit breakers with a total of 12 modules. |                      |      |                  |
| 1 junction terminal                                 |                            |                                           |                     | 10 earthing strips                                                                                                                                                                                                                                                                                                                    |      |                      | 10 distribution boards                                                           |                      |      |                  |
| Entry plate width (mm)                              | Entry plate thickness (mm) | Junction cable section (mm <sup>2</sup> ) | Reference           | Number of terminals x section mm <sup>2</sup>                                                                                                                                                                                                                                                                                         | Fig. | References           | No. of bars                                                                      | No. of poles per bar | Fig. | References       |
| 12/15/20/25/30                                      | 5 to 10                    | 35 to 120                                 | <b>NSYBTE630TBT</b> | 2 x 16 mm <sup>2</sup> + 5 x 6 mm <sup>2</sup>                                                                                                                                                                                                                                                                                        | 3    | <b>NSYRBL21656M</b>  | 1                                                                                | 12                   | 5    | <b>NSYBDS112</b> |
|                                                     |                            |                                           |                     | 2 x 16 mm <sup>2</sup> + 8 x 6 mm <sup>2</sup>                                                                                                                                                                                                                                                                                        | 3    | <b>NSYRBL21686M</b>  | 2                                                                                | 6                    | 6    | <b>NSYBDS26</b>  |
|                                                     |                            |                                           |                     | 2 x 16 mm <sup>2</sup> + 14 x 6 mm <sup>2</sup>                                                                                                                                                                                                                                                                                       | 3    | <b>NSYRBL216146M</b> | 3                                                                                | 4                    | 7    | <b>NSYBDS34</b>  |
|                                                     |                            |                                           |                     | 2 x 16 mm <sup>2</sup> + 29 x 6 mm <sup>2</sup>                                                                                                                                                                                                                                                                                       | 3    | <b>NSYRBL216296M</b> | 4                                                                                | 3                    | 8    | <b>NSYBDS43</b>  |
|                                                     |                            |                                           |                     | 2 x 16 mm <sup>2</sup> + 5 x 6 mm <sup>2</sup>                                                                                                                                                                                                                                                                                        | 4    | <b>NSYRBLZ21656</b>  |                                                                                  |                      |      |                  |
|                                                     |                            |                                           |                     | 2 x 16 mm <sup>2</sup> + 8 x 6 mm <sup>2</sup>                                                                                                                                                                                                                                                                                        | 4    | <b>NSYRBLZ21686</b>  |                                                                                  |                      |      |                  |
|                                                     |                            |                                           |                     | 2 x 16 mm <sup>2</sup> + 14 x 6 mm <sup>2</sup>                                                                                                                                                                                                                                                                                       | 4    | <b>NSYRBLZ216146</b> |                                                                                  |                      |      |                  |
|                                                     |                            |                                           |                     | 2 x 16 mm <sup>2</sup> + 29 x 6 mm <sup>2</sup>                                                                                                                                                                                                                                                                                       | 4    | <b>NSYRBLZ216296</b> |                                                                                  |                      |      |                  |

### Multiple cable entries

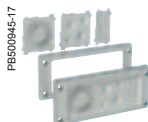
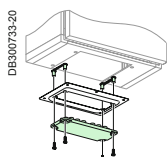


| Characteristics                                     | Flexicable                                                        | Multi-A                                                                        | Multi-C                                                | Multi-R                                                            |
|-----------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------------------|
|                                                     | Full membrane cable gland plate.                                  | FL13 & FL21 type membranes.                                                    | Circular connector-free entries.                       | Rectangular connector-free entries.                                |
| Material                                            | -                                                                 | TPE, SBS, SEBS and PP co-polymer - halogen free                                | -                                                      | -                                                                  |
| Colour                                              | -                                                                 | RAL 7035                                                                       | -                                                      | -                                                                  |
| Cable entry material                                | Soft membrane cable entries                                       | Combined                                                                       | Soft membrane cable entries                            |                                                                    |
| Cable glands to be fitted                           | No                                                                | Optional: specific cable clamp ref. <b>NSYAECPFLACA●●</b> to be used           | No                                                     | No                                                                 |
| Installation possibilities                          | Replaces cable gland plate (S3D) or directly on enclosure         | On cable gland plate adapter or directly on enclosure                          | On modified cable gland plate or directly on enclosure | On cable gland plate with special cut-out or directly on enclosure |
| Flexibility of the installation                     | Full                                                              | Medium                                                                         | Medium                                                 | Medium                                                             |
| Reversibility                                       | Medium                                                            | Medium                                                                         | Full                                                   | Full                                                               |
| Ingress protection rating                           | IP55                                                              | IP65                                                                           | IP65                                                   | IP65                                                               |
| Cable retention                                     | Low                                                               | High with cable clamp, (up to 18 daN)                                          | Medium                                                 | Medium                                                             |
| Cable diameter (mm)                                 | From 10 to 26                                                     | From 13 to 30                                                                  | From 3 to 15.9                                         | From 4.3 to 15.9                                                   |
| Cable Installation time                             | Fast                                                              | Medium                                                                         | Fast                                                   | Fast                                                               |
| Quantity of cables to be fitted for a given surface | +++                                                               | ++                                                                             | ++                                                     | ++                                                                 |
| Cable entries for cables with connectors            | No                                                                | No                                                                             | No                                                     | No                                                                 |
| Cut-out dimensions (mm)                             | 178 x 63 to 478 x 63                                              | FL13 and FL21                                                                  | Ø 50.5<br>Ø 63.5                                       | 112 x 36                                                           |
| External dimensions (mm)                            | From 245 x 130 to 495 x 220 or 545 x 130                          | 216 x 84                                                                       | Ø 58 to 71                                             | 146 x 14 x 58                                                      |
| Certificates                                        | Tested on short-circuit effect 250 A, 25 kA following IEC 61439-1 | Cable anchorage pull test: EN 50262.<br>Long term UV-resistance: ASTM G 154-06 | ■ UL94-V0<br>■ Fire resistance: V0                     | ■ UL94-V0<br>■ Fire resistance: V0                                 |
| Flame resistance                                    | 650°C                                                             | 750°C                                                                          | 650°C                                                  | 650°C                                                              |
| Temperature range                                   | -                                                                 | -40 to +85°C                                                                   | -                                                      | -                                                                  |
| <b>References*</b>                                  |                                                                   |                                                                                |                                                        |                                                                    |
| See page                                            | 274                                                               | 274                                                                            | 275                                                    | 275                                                                |

\* For details, type the reference in the search engine of [www.schneider-electric.com](http://www.schneider-electric.com).  
(1) "Pop-out" membranes only.

# Cable management

## Cable entries overview



| Multi-T                                               | Prisma                                                | Multi-F                                                                                                                                                                                                                                           | Multi-CR                                                     | Multi-H                                                                                                                               |
|-------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| FL21-type membranes.                                  | FL21 or rectangular.                                  | FL13 & FL21 pre-configured flanges.                                                                                                                                                                                                               | Cable entries with dies for cables equipped with connectors. | FL21 insulated flange with ISO knockouts.                                                                                             |
| Insulating material                                   | Insulating material                                   | Fibreglass-reinforced polypropylene and TPE - Halogen Free                                                                                                                                                                                        | -                                                            | Polycarbonate, glass-fiber reinforced                                                                                                 |
| RAL 7035                                              | -                                                     | RAL 7035                                                                                                                                                                                                                                          | -                                                            | RAL 7035                                                                                                                              |
| No                                                    | No                                                    | No                                                                                                                                                                                                                                                | Hard plastic                                                 |                                                                                                                                       |
|                                                       |                                                       |                                                                                                                                                                                                                                                   | Yes, cable die <b>NSYDCE●●●</b> and <b>NSYDCE●●●●</b>        | Yes                                                                                                                                   |
| On cable gland plate adapter or directly on enclosure | On cable gland plate adapter or directly on enclosure | On cable gland plate adapter or directly on enclosure                                                                                                                                                                                             | On cable gland plate adapter or directly on enclosure        | On cable gland plate adapter or directly on enclosure                                                                                 |
| Medium                                                | Medium                                                | Medium                                                                                                                                                                                                                                            | Low                                                          | Low                                                                                                                                   |
| Medium                                                | Medium                                                | Medium                                                                                                                                                                                                                                            | Medium                                                       | Medium                                                                                                                                |
| IP66                                                  | IP55                                                  | IP65                                                                                                                                                                                                                                              | IP54                                                         | IP65                                                                                                                                  |
| Low                                                   | Low                                                   | Low                                                                                                                                                                                                                                               | High (with fastener)                                         | High (with cable clamp)                                                                                                               |
| From 6 to 60                                          | From 7 to 72                                          | From 16 to 50                                                                                                                                                                                                                                     | From 3 to 31                                                 | From 12 to 25                                                                                                                         |
| Fast                                                  | Fast                                                  | Fast                                                                                                                                                                                                                                              | Slow                                                         | Slow                                                                                                                                  |
| ++                                                    | ++                                                    | ++                                                                                                                                                                                                                                                | ++                                                           | ++                                                                                                                                    |
| No                                                    | No                                                    | No                                                                                                                                                                                                                                                | Yes                                                          | No                                                                                                                                    |
| FL21                                                  | FL21                                                  | From 134 x 52 to 214 x 90                                                                                                                                                                                                                         | 36 x 112                                                     | FL21                                                                                                                                  |
| 214 x 88                                              | 216 x 84                                              | From 134 x 52 to 214 x 90                                                                                                                                                                                                                         | 146 x 58                                                     | 215 x 85                                                                                                                              |
| UL94-V0                                               | -                                                     | <ul style="list-style-type: none"> <li>■ UL94-HB</li> <li>■ Test standard EN 60529:1991 + A1</li> <li>EN 60670-1:2005,</li> <li>EN 50262:1998 EMKO-TUI (03-SEC)FI001/84.</li> <li>Semko report 816003</li> <li>■ UL-approved materials</li> </ul> | -                                                            | UL94-V1                                                                                                                               |
| 650°C                                                 | -                                                     | -                                                                                                                                                                                                                                                 | 650°C                                                        | 750°C                                                                                                                                 |
| -                                                     | -                                                     | -20°C to +125°C (1)                                                                                                                                                                                                                               | -                                                            | <ul style="list-style-type: none"> <li>■ For normal operation: -40°C to +80°C</li> <li>■ For a short time: -40°C to +120°C</li> </ul> |
| 276                                                   | 278                                                   | 277                                                                                                                                                                                                                                               | 277                                                          | 276                                                                                                                                   |

# Cable management

## Cable entries overview

### Simple cable entries

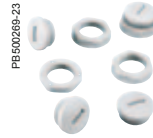


| Characteristics                                     | Simple-1                                                           | Simple-2                                                                       | Simple-3                                                                                                      | Simple-4                                                                                       | Simple-5                        |
|-----------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|---------------------------------|
|                                                     | Mixed membrane entries for enclosure thickness 20/10° - 32/10° mm. | PVC adjustable cone-shaped entries for enclosure thickness 30/10° - 32/10° mm. | Quick cable entries for enclosure thickness 10/10° - 40/10° mm (5/10° - 20/10° mm for ref. <b>IMT36179</b> ). | PVC adjustable cone-shaped entries for PG tubes or for enclosure thickness 12/10° - 15/10° mm. | ISO cable gland.                |
| Material                                            | SBS                                                                | -                                                                              | EPDM plastic                                                                                                  | -                                                                                              | PA6, neoprene gasket            |
| Colour                                              | RAL 7035 light grey or RAL 9010 white                              | -                                                                              | -                                                                                                             | -                                                                                              | RAL 7035 grey                   |
| Cable entry material                                | Soft membrane                                                      |                                                                                | Combined                                                                                                      |                                                                                                |                                 |
| Cable glands to be fitted                           | Not applicable                                                     |                                                                                |                                                                                                               |                                                                                                |                                 |
| Installation possibilities                          | On cable gland plate or directly on enclosure                      |                                                                                |                                                                                                               |                                                                                                |                                 |
| Flexibility of the installation                     | Low                                                                |                                                                                |                                                                                                               |                                                                                                |                                 |
| Reversibility                                       | Medium                                                             |                                                                                |                                                                                                               |                                                                                                |                                 |
| Ingress protection rating                           | IP55                                                               | IP55                                                                           | IP67                                                                                                          | IP55                                                                                           | IP68                            |
| Cable retention                                     | Low                                                                | Low                                                                            | Medium                                                                                                        | Low                                                                                            | High                            |
| Cable diameter (mm)                                 | From 20 to 40                                                      | From 18 to 87                                                                  | From 12 to 50                                                                                                 | From 16 to 44                                                                                  | From 12 to 40                   |
| Cable Installation time                             | Fast                                                               | Fast                                                                           | Fast                                                                                                          | Fast                                                                                           | Slow                            |
| Quantity of cables to be fitted for a given surface | +                                                                  | +                                                                              | +                                                                                                             | +                                                                                              | +                               |
| Cable entries for cables with connectors            | No                                                                 | No                                                                             | No                                                                                                            | No                                                                                             | No                              |
| Cut-out dimensions (mm)                             | Various circular hole diameters according to cable diameter        |                                                                                |                                                                                                               |                                                                                                |                                 |
| External dimensions (mm)                            | -                                                                  | From Ø 25 to 98                                                                | -                                                                                                             | From Ø 25 to 52                                                                                | From Ø 15 to 46                 |
| Certificates                                        | -                                                                  | -                                                                              | -                                                                                                             | -                                                                                              | Glow wire resistance: 960°C     |
| Standard                                            | -                                                                  | -                                                                              | -                                                                                                             | -                                                                                              | Compliance with VDE, UL and CSA |
| Flame resistance                                    | 750°C                                                              | -                                                                              | 750°C                                                                                                         | -                                                                                              | 750°C                           |
| <b>References*</b>                                  |                                                                    |                                                                                |                                                                                                               |                                                                                                |                                 |
| See page                                            | 280                                                                | 280                                                                            | 281                                                                                                           | 281                                                                                            | 280                             |

\* For details, type the reference in the search engine of [www.schneider-electric.com](http://www.schneider-electric.com).

# Cable management

## Cable entries overview



| Characteristics           | Multi-cable disc                                                                                  | Cable-gland gasket                            | Blanking plug                                                | Transport plug                                                                              |
|---------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------------------------------------|
|                           | It is possible to pass several cables through a single cable-gland using the multi-cable bushing. | -                                             | It is screwed into the cable-gland's place.                  | It is installed to block the cable-gland during transport or during maintenance operations. |
| Material                  | -                                                                                                 | -                                             | -                                                            | -                                                                                           |
| Colour                    | -                                                                                                 | -                                             | -                                                            | -                                                                                           |
| Ingress protection rating | -                                                                                                 | -                                             | -                                                            | -                                                                                           |
| Standards                 | -                                                                                                 | -                                             | -                                                            | -                                                                                           |
| Other characteristics     | -                                                                                                 | -                                             | -                                                            | -                                                                                           |
| Supply                    | -                                                                                                 | Batch of 100 (M12 to M25), 50 (M32), 25 (M40) | Pack of 20 plugs (M12 to M15), 10 plugs (M32), 5 plugs (M40) | Pack of 20 plugs (M16 to M25), pack of 10 (M32), pack of 5 (M40)                            |
| Ø                         | Number / Ø (mm)                                                                                   | References                                    | References                                                   | References                                                                                  |
| M12                       | -                                                                                                 | -                                             | IMT36151                                                     | IMT36161                                                                                    |
| M16                       | 2 x Ø 4                                                                                           | IMT36157                                      | IMT36152                                                     | IMT36162                                                                                    |
| M20                       | 3 x Ø 4                                                                                           | IMT36158                                      | IMT36153                                                     | IMT36163                                                                                    |
| M25                       | 4 x Ø 5                                                                                           | IMT36159                                      | IMT36154                                                     | IMT36164                                                                                    |
| M32                       | 6 x Ø 5                                                                                           | IMT36160                                      | IMT36155                                                     | IMT36165                                                                                    |
| M40                       | -                                                                                                 | -                                             | IMT36156                                                     | IMT36166                                                                                    |

# Cable management

## Cable entries

### Key features when selecting a cable entry

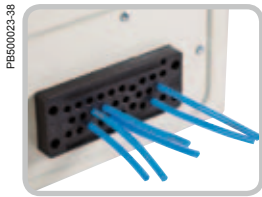
#### 1 - Multiple cable entries or single cable entries

Your choice depends on:

- The amount of cables going through the cable entry: generally for 3 or more cables, choose a multiple cable entry. It will make your installation faster and more economical.

In other words, your final bill will not necessarily be lower with single cable entries!

- Flexibility of installation: for high flexibility, the multiple cable entry is the right choice.



Multiple



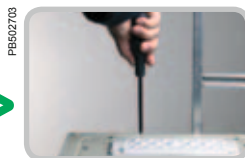
Single

#### 2 - Entry cable material

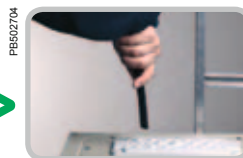
- **Soft membranes** allow cables to be easily pushed through, but still offer a good IP rating, protecting from moisture as well as physical intrusions. Cable retention force, however, is lower than with other alternatives.



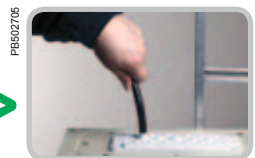
Push the membrane into a standard hole.



Make a small hole in the membrane.



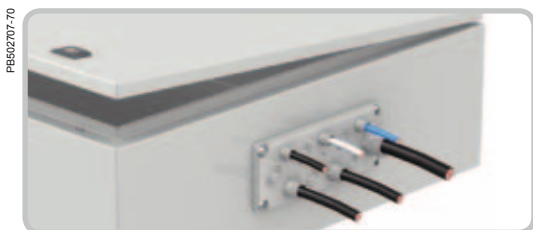
Push the cable or tube through the guide hole.



Pull the cable or tube back some 20 mm to lock it.

- **Hard plastic** needs specific tools to create the opening (drill or knife) but, thanks to the cable gland, offers a very high retention force. Another use of this solution is for public places, since the hard surface prevents objects being pushed in.

- **Combined:** the material of the cable entry plate is hard plastic, but the cable is pushed through a soft membrane. In this case you have the advantages both of soft membranes (easy and fast installation, flexibility) and hard plastic membranes (high retention force, when using specific cable clamps).



PB6502707-70



PB6501702



PB6501703-30



PB6501704-35

#### 3 - Cable glands to be fitted

- Some multiple cable entries require a cable gland to be able to retain the cables and ensure the degree of protection.



PB6502706-68

### 4 - Installation possibilities

There are 4 ways to install your cable entries on the enclosure:



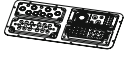



■ **By replacing the cable gland plate:** the standard cable gland plate of your S3D wall-mounting enclosure is unscrewed and replaced by the cable entry. A gasket between enclosure and cable entry will provide full water and dust tightness.

■ **On modified cable gland plate:** the standard cable gland plate is unscrewed and machined. A cut-out is created in it.

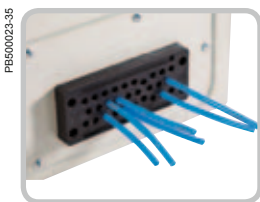
■ **On cable gland plate adapter:** this plate, which has the outer dimensions of a standard cable gland plate, has one or more pre-cut cut-outs of standard dimensions (FL13 and FL21).

On steel wall-mounting enclosures, the plate can replace the standard cable gland plate once the cable entry is fitted into it. On polyester enclosures, a cut-out must be created. Schneider Electric provides this service: a precise laser cut-out is factory-created upon request.

On steel floor-standing enclosures, you may either use the specific cable gland roof or create a cut-out (see expert's tip 1, page 273).

| Cable gland plate adapters |                                                                                                                               |                                                                                                                                 |                                                                                                                    |                                                                                                                   |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Enclosure range            | 1 membrane                                                                                                                    | 2 membranes                                                                                                                     | 3 membranes                                                                                                        | 4 membranes                                                                                                       |
| Spacial S3D                | PB500604-16<br><br>NSYTL•FL                | PB500604-15<br><br>NSYTL•2FL               | -                                                                                                                  | DB300718-15<br><br>NSYTLG4FL |
| Spacial SF                 | PB502708-10<br><br>NSYSFLR●●<br>NSYSFLR●●● | PB502709-12<br><br>NSYSFLR●●<br>NSYSFLR●●● | PB500597-15<br><br>NSYSFLR●●● | -                                                                                                                 |

■ **Directly on the enclosure:** a cut-out is created on the enclosure's side according to the cable entry's dimensions (see expert's tip 1, page 273).



#### Zoom on...

FL13 and FL21 are standard cut-out dimensions frequently used in northern European countries and also used by our enclosures for several years now.

# Cable management

## Cable entries

PE602710-32



Full flexibility

PE600946-35



Medium flexibility

### 5 - Flexibility of the installation

■ **Full flexibility:** this means that cables can be added/removed easily, changing:

- quantity
- diameter
- position

(see expert's tip 2, page 273)

■ **Medium flexibility:**

- the amount, diameter or position of cables can be changed to a limited extent.

■ **Low flexibility:**

- it is not possible to change the above parameters.

### 6 - Reversibility

■ **Full reversibility:** this means that cables can be added/ removed easily without losing their initial characteristics, such as water tightness.

■ **Medium reversibility:** for soft membranes, once the cable has been removed, there may be a loss of IP depending on the size of the cable and the cut. For hard plastic entries or combined material entries, initial characteristics are regained by adding plugs.

■ **Low reversibility:** the cable entry must be completely replaced in order to regain the initial characteristics.

### 7 - Degree of protection (IP)

If an enclosure is to be used in a clean, dry and well insulated environment, lower levels of IP may be acceptable (IP54 or IP55).

In a dusty environment you may require higher IP levels, such as IP65 or IP68 (see expert's tip 4, page 273).

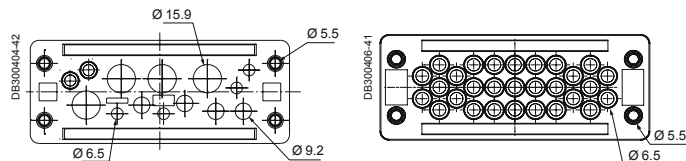
### 8 - Cable retention

Choose the right level of cable retention according to your needs. For locations accessible to the public, preferably choose a high level of cable retention.

### 9 - Cable diameter

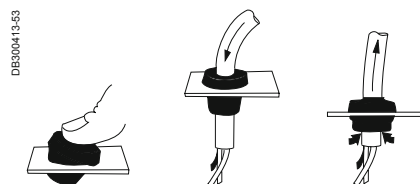
Choose the cable entry seal according to the cable diameter.

Take into account cable diameter tolerances.



### 10 - Cable installation time

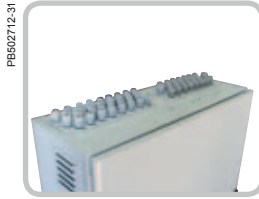
Each cable entry has different installation characteristics. Some can be installed easily and quickly thanks to the soft membrane. Take this into account depending on labour costs in your region.





# Cable management

## Cable entries



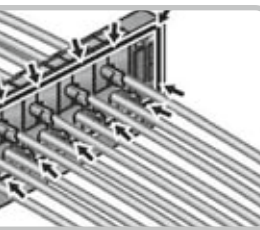
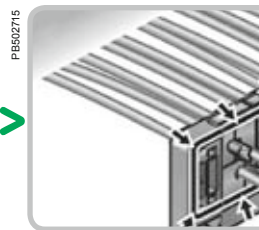
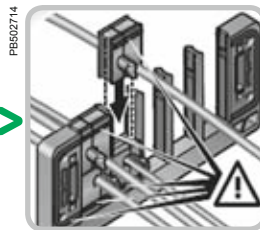
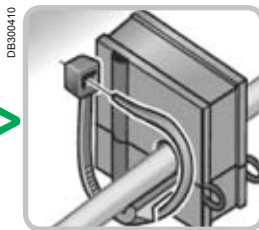
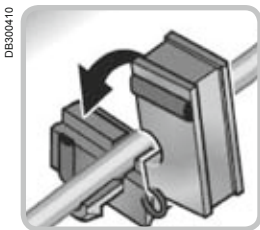
### 11 - Quantity of cables to be fitted for a given surface

For some installations, a large quantity of cables must go through the cable entry. Some cable entries can receive a high density of cables, which can result in more economical installation (fewer cable entries to be bought). For small enclosures, it may simply be impossible to install too many cable entries due to the available space on the enclosure's wall (see expert's tip 3, page 273).



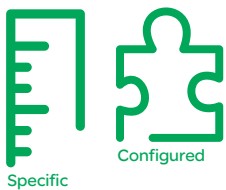
### 12 - Cable entries for cables with connectors

Some cables have large connectors which cannot be pushed through tight cable clamps or cable seals. These cable entries have the unique advantage of not requiring the cable to be cut, thanks to the snap-fitting system.



A high cable retention force is provided thanks to the integrated cable fastener.

## Expert's tip

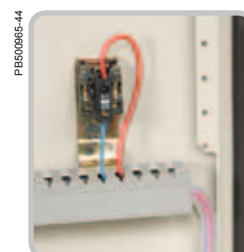
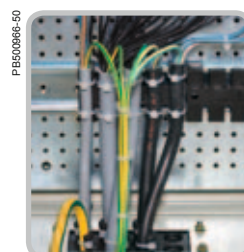
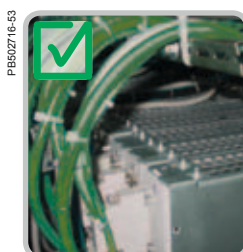


❶ Some cable entries require cut-outs to be machined on the enclosure or cable gland plate. Our customized offer provides this service. The quality of your enclosure will therefore be guaranteed since the painting operation is performed after creating the cut-outs.

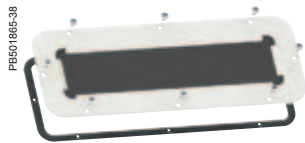
❷ When the cable entry has been defined, the next step is cable management inside the enclosure. For correct thermal management, all wires must be fitted and attached so as not to create an obstacle for correct air flow. Consult our Universal Enclosures catalogue for cable management accessories (such as cable ducts) and consumables (such as cable ties).

❸ Installing a cable entry with full flexibility is the solution when a large series of enclosures is being prepared for different types of installations. By using one combination of enclosure-cable entry, you can cover a large variety of installations!

❹ When your environment requires a high level of IP for your installation, make sure you have an appropriate thermal management system to avoid condensation or overheating problems. Consult our Thermal Management offer in our Universal Enclosures catalogue and our Control Panel Technical Guide related to this issue.



### Dimensions



FL 13



FL 21

| Characteristics  | FlexiCable cable entries                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Multi-A                                                                            |                                          |               |                                          |            |           |           |    |     |               |            |           |   |     |     |          |           |   |     |     |          |           |   |     |     |          |           |   |     |     |           |           |       |     |     |   |               |       |     |     |   |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |  |  |                      |  |                                    |  |  |  |  |  |  |            |   |   |   |    |    |    |    |    |    |    |                  |  |  |  |  |  |  |  |  |  |  |              |    |     |    |   |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------|---------------|------------------------------------------|------------|-----------|-----------|----|-----|---------------|------------|-----------|---|-----|-----|----------|-----------|---|-----|-----|----------|-----------|---|-----|-----|----------|-----------|---|-----|-----|-----------|-----------|-------|-----|-----|---|---------------|-------|-----|-----|---|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--|--|----------------------|--|------------------------------------|--|--|--|--|--|--|------------|---|---|---|----|----|----|----|----|----|----|------------------|--|--|--|--|--|--|--|--|--|--|--------------|----|-----|----|---|---|---|---|---|---|---|---|------------------|--|--|--|--|--|--|--|--|--|--|---------------|----|-----|----|----|---|---|---|---|---|---|---|------------------|--|--|--|--|--|--|--|--|--|--|---------------|----|-----|----|----|---|----|---|---|---|---|---|------------------|--|--|--|--|--|--|--|--|--|--|---------------|----|-----|----|----|---|----|---|---|---|---|---|
| See page         | 266                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 266                                                                                |                                          |               |                                          |            |           |           |    |     |               |            |           |   |     |     |          |           |   |     |     |          |           |   |     |     |          |           |   |     |     |           |           |       |     |     |   |               |       |     |     |   |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |  |  |                      |  |                                    |  |  |  |  |  |  |            |   |   |   |    |    |    |    |    |    |    |                  |  |  |  |  |  |  |  |  |  |  |              |    |     |    |   |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |
| Supply           | <ul style="list-style-type: none"> <li>1 metallic frame with pre-mounted membrane</li> <li>1 gasket</li> <li>Hardware</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                                                                                  |                                          |               |                                          |            |           |           |    |     |               |            |           |   |     |     |          |           |   |     |     |          |           |   |     |     |          |           |   |     |     |           |           |       |     |     |   |               |       |     |     |   |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |  |  |                      |  |                                    |  |  |  |  |  |  |            |   |   |   |    |    |    |    |    |    |    |                  |  |  |  |  |  |  |  |  |  |  |              |    |     |    |   |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |
|                  | <table border="1"> <thead> <tr> <th rowspan="2">Type</th> <th colspan="2">Plate dimensions (mm)</th> <th rowspan="2">Effective cable entrance dimensions (mm)</th> <th rowspan="2">References</th> </tr> <tr> <th>Width (A)</th> <th>Depth (B)</th> </tr> </thead> <tbody> <tr> <td>C</td> <td>245</td> <td>130</td> <td>178 x 63</td> <td>NSYTL CME</td> </tr> <tr> <td>D</td> <td>345</td> <td>130</td> <td>278 x 63</td> <td>NSYTL DME</td> </tr> <tr> <td>E</td> <td>445</td> <td>130</td> <td>378 x 63</td> <td>NSYTL EME</td> </tr> <tr> <td>F</td> <td>545</td> <td>130</td> <td>478 x 63</td> <td>NSYTL FME</td> </tr> <tr> <td>G</td> <td>495</td> <td>220</td> <td>428 x 153</td> <td>NSYTL GME</td> </tr> <tr> <td>D (1)</td> <td>345</td> <td>130</td> <td>-</td> <td>2 x NSYTL DME</td> </tr> <tr> <td>E (1)</td> <td>445</td> <td>130</td> <td>-</td> <td>2 x NSYTL EME</td> </tr> </tbody> </table> | Type                                                                               | Plate dimensions (mm)                    |               | Effective cable entrance dimensions (mm) | References | Width (A) | Depth (B) | C  | 245 | 130           | 178 x 63   | NSYTL CME | D | 345 | 130 | 278 x 63 | NSYTL DME | E | 445 | 130 | 378 x 63 | NSYTL EME | F | 545 | 130 | 478 x 63 | NSYTL FME | G | 495 | 220 | 428 x 153 | NSYTL GME | D (1) | 345 | 130 | - | 2 x NSYTL DME | E (1) | 445 | 130 | - | 2 x NSYTL EME | <table border="1"> <thead> <tr> <th colspan="3">Dimensions (mm)</th> <th colspan="2">No. of cable entries</th> <th colspan="7">Diameter of the cable entry (Ø mm)</th> <th rowspan="2">References</th> </tr> <tr> <th>H</th> <th>W</th> <th>D</th> <th>13</th> <th>14</th> <th>15</th> <th>16</th> <th>18</th> <th>21</th> <th>30</th> </tr> </thead> <tbody> <tr> <td colspan="11"><b>Type FL13</b></td> <td rowspan="2">NSYAEC PFLA7</td> </tr> <tr> <td>20</td> <td>135</td> <td>47</td> <td>7</td> <td>-</td> <td>-</td> <td>4</td> <td>-</td> <td>-</td> <td>3</td> <td>-</td> </tr> <tr> <td colspan="11"><b>Type FL21</b></td> <td rowspan="2">NSYAEC PFLA10</td> </tr> <tr> <td>25</td> <td>215</td> <td>86</td> <td>10</td> <td>6</td> <td>-</td> <td>-</td> <td>4</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td colspan="11"><b>Type FL25</b></td> <td rowspan="2">NSYAEC PFLA25</td> </tr> <tr> <td>25</td> <td>215</td> <td>86</td> <td>25</td> <td>-</td> <td>16</td> <td>-</td> <td>-</td> <td>6</td> <td>-</td> <td>3</td> </tr> <tr> <td colspan="11"><b>Type FL33</b></td> <td rowspan="2">NSYAEC PFLA33</td> </tr> <tr> <td>25</td> <td>215</td> <td>86</td> <td>33</td> <td>-</td> <td>24</td> <td>-</td> <td>-</td> <td>9</td> <td>-</td> <td>-</td> </tr> </tbody> </table> | Dimensions (mm) |  |  | No. of cable entries |  | Diameter of the cable entry (Ø mm) |  |  |  |  |  |  | References | H | W | D | 13 | 14 | 15 | 16 | 18 | 21 | 30 | <b>Type FL13</b> |  |  |  |  |  |  |  |  |  |  | NSYAEC PFLA7 | 20 | 135 | 47 | 7 | - | - | 4 | - | - | 3 | - | <b>Type FL21</b> |  |  |  |  |  |  |  |  |  |  | NSYAEC PFLA10 | 25 | 215 | 86 | 10 | 6 | - | - | 4 | - | - | - | <b>Type FL25</b> |  |  |  |  |  |  |  |  |  |  | NSYAEC PFLA25 | 25 | 215 | 86 | 25 | - | 16 | - | - | 6 | - | 3 | <b>Type FL33</b> |  |  |  |  |  |  |  |  |  |  | NSYAEC PFLA33 | 25 | 215 | 86 | 33 | - | 24 | - | - | 9 | - | - |
| Type             | Plate dimensions (mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                    | Effective cable entrance dimensions (mm) | References    |                                          |            |           |           |    |     |               |            |           |   |     |     |          |           |   |     |     |          |           |   |     |     |          |           |   |     |     |           |           |       |     |     |   |               |       |     |     |   |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |  |  |                      |  |                                    |  |  |  |  |  |  |            |   |   |   |    |    |    |    |    |    |    |                  |  |  |  |  |  |  |  |  |  |  |              |    |     |    |   |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |
|                  | Width (A)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Depth (B)                                                                          |                                          |               |                                          |            |           |           |    |     |               |            |           |   |     |     |          |           |   |     |     |          |           |   |     |     |          |           |   |     |     |           |           |       |     |     |   |               |       |     |     |   |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |  |  |                      |  |                                    |  |  |  |  |  |  |            |   |   |   |    |    |    |    |    |    |    |                  |  |  |  |  |  |  |  |  |  |  |              |    |     |    |   |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |
| C                | 245                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 130                                                                                | 178 x 63                                 | NSYTL CME     |                                          |            |           |           |    |     |               |            |           |   |     |     |          |           |   |     |     |          |           |   |     |     |          |           |   |     |     |           |           |       |     |     |   |               |       |     |     |   |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |  |  |                      |  |                                    |  |  |  |  |  |  |            |   |   |   |    |    |    |    |    |    |    |                  |  |  |  |  |  |  |  |  |  |  |              |    |     |    |   |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |
| D                | 345                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 130                                                                                | 278 x 63                                 | NSYTL DME     |                                          |            |           |           |    |     |               |            |           |   |     |     |          |           |   |     |     |          |           |   |     |     |          |           |   |     |     |           |           |       |     |     |   |               |       |     |     |   |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |  |  |                      |  |                                    |  |  |  |  |  |  |            |   |   |   |    |    |    |    |    |    |    |                  |  |  |  |  |  |  |  |  |  |  |              |    |     |    |   |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |
| E                | 445                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 130                                                                                | 378 x 63                                 | NSYTL EME     |                                          |            |           |           |    |     |               |            |           |   |     |     |          |           |   |     |     |          |           |   |     |     |          |           |   |     |     |           |           |       |     |     |   |               |       |     |     |   |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |  |  |                      |  |                                    |  |  |  |  |  |  |            |   |   |   |    |    |    |    |    |    |    |                  |  |  |  |  |  |  |  |  |  |  |              |    |     |    |   |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |
| F                | 545                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 130                                                                                | 478 x 63                                 | NSYTL FME     |                                          |            |           |           |    |     |               |            |           |   |     |     |          |           |   |     |     |          |           |   |     |     |          |           |   |     |     |           |           |       |     |     |   |               |       |     |     |   |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |  |  |                      |  |                                    |  |  |  |  |  |  |            |   |   |   |    |    |    |    |    |    |    |                  |  |  |  |  |  |  |  |  |  |  |              |    |     |    |   |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |
| G                | 495                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 220                                                                                | 428 x 153                                | NSYTL GME     |                                          |            |           |           |    |     |               |            |           |   |     |     |          |           |   |     |     |          |           |   |     |     |          |           |   |     |     |           |           |       |     |     |   |               |       |     |     |   |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |  |  |                      |  |                                    |  |  |  |  |  |  |            |   |   |   |    |    |    |    |    |    |    |                  |  |  |  |  |  |  |  |  |  |  |              |    |     |    |   |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |
| D (1)            | 345                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 130                                                                                | -                                        | 2 x NSYTL DME |                                          |            |           |           |    |     |               |            |           |   |     |     |          |           |   |     |     |          |           |   |     |     |          |           |   |     |     |           |           |       |     |     |   |               |       |     |     |   |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |  |  |                      |  |                                    |  |  |  |  |  |  |            |   |   |   |    |    |    |    |    |    |    |                  |  |  |  |  |  |  |  |  |  |  |              |    |     |    |   |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |
| E (1)            | 445                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 130                                                                                | -                                        | 2 x NSYTL EME |                                          |            |           |           |    |     |               |            |           |   |     |     |          |           |   |     |     |          |           |   |     |     |          |           |   |     |     |           |           |       |     |     |   |               |       |     |     |   |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |  |  |                      |  |                                    |  |  |  |  |  |  |            |   |   |   |    |    |    |    |    |    |    |                  |  |  |  |  |  |  |  |  |  |  |              |    |     |    |   |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |
| Dimensions (mm)  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                    | No. of cable entries                     |               | Diameter of the cable entry (Ø mm)       |            |           |           |    |     |               | References |           |   |     |     |          |           |   |     |     |          |           |   |     |     |          |           |   |     |     |           |           |       |     |     |   |               |       |     |     |   |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |  |  |                      |  |                                    |  |  |  |  |  |  |            |   |   |   |    |    |    |    |    |    |    |                  |  |  |  |  |  |  |  |  |  |  |              |    |     |    |   |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |
| H                | W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | D                                                                                  | 13                                       | 14            | 15                                       | 16         | 18        | 21        | 30 |     |               |            |           |   |     |     |          |           |   |     |     |          |           |   |     |     |          |           |   |     |     |           |           |       |     |     |   |               |       |     |     |   |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |  |  |                      |  |                                    |  |  |  |  |  |  |            |   |   |   |    |    |    |    |    |    |    |                  |  |  |  |  |  |  |  |  |  |  |              |    |     |    |   |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |
| <b>Type FL13</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                    |                                          |               |                                          |            |           |           |    |     | NSYAEC PFLA7  |            |           |   |     |     |          |           |   |     |     |          |           |   |     |     |          |           |   |     |     |           |           |       |     |     |   |               |       |     |     |   |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |  |  |                      |  |                                    |  |  |  |  |  |  |            |   |   |   |    |    |    |    |    |    |    |                  |  |  |  |  |  |  |  |  |  |  |              |    |     |    |   |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |
| 20               | 135                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 47                                                                                 | 7                                        | -             | -                                        | 4          | -         | -         | 3  | -   |               |            |           |   |     |     |          |           |   |     |     |          |           |   |     |     |          |           |   |     |     |           |           |       |     |     |   |               |       |     |     |   |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |  |  |                      |  |                                    |  |  |  |  |  |  |            |   |   |   |    |    |    |    |    |    |    |                  |  |  |  |  |  |  |  |  |  |  |              |    |     |    |   |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |
| <b>Type FL21</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                    |                                          |               |                                          |            |           |           |    |     | NSYAEC PFLA10 |            |           |   |     |     |          |           |   |     |     |          |           |   |     |     |          |           |   |     |     |           |           |       |     |     |   |               |       |     |     |   |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |  |  |                      |  |                                    |  |  |  |  |  |  |            |   |   |   |    |    |    |    |    |    |    |                  |  |  |  |  |  |  |  |  |  |  |              |    |     |    |   |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |
| 25               | 215                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 86                                                                                 | 10                                       | 6             | -                                        | -          | 4         | -         | -  | -   |               |            |           |   |     |     |          |           |   |     |     |          |           |   |     |     |          |           |   |     |     |           |           |       |     |     |   |               |       |     |     |   |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |  |  |                      |  |                                    |  |  |  |  |  |  |            |   |   |   |    |    |    |    |    |    |    |                  |  |  |  |  |  |  |  |  |  |  |              |    |     |    |   |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |
| <b>Type FL25</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                    |                                          |               |                                          |            |           |           |    |     | NSYAEC PFLA25 |            |           |   |     |     |          |           |   |     |     |          |           |   |     |     |          |           |   |     |     |           |           |       |     |     |   |               |       |     |     |   |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |  |  |                      |  |                                    |  |  |  |  |  |  |            |   |   |   |    |    |    |    |    |    |    |                  |  |  |  |  |  |  |  |  |  |  |              |    |     |    |   |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |
| 25               | 215                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 86                                                                                 | 25                                       | -             | 16                                       | -          | -         | 6         | -  | 3   |               |            |           |   |     |     |          |           |   |     |     |          |           |   |     |     |          |           |   |     |     |           |           |       |     |     |   |               |       |     |     |   |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |  |  |                      |  |                                    |  |  |  |  |  |  |            |   |   |   |    |    |    |    |    |    |    |                  |  |  |  |  |  |  |  |  |  |  |              |    |     |    |   |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |
| <b>Type FL33</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                    |                                          |               |                                          |            |           |           |    |     | NSYAEC PFLA33 |            |           |   |     |     |          |           |   |     |     |          |           |   |     |     |          |           |   |     |     |           |           |       |     |     |   |               |       |     |     |   |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |  |  |                      |  |                                    |  |  |  |  |  |  |            |   |   |   |    |    |    |    |    |    |    |                  |  |  |  |  |  |  |  |  |  |  |              |    |     |    |   |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |
| 25               | 215                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 86                                                                                 | 33                                       | -             | 24                                       | -          | -         | 9         | -  | -   |               |            |           |   |     |     |          |           |   |     |     |          |           |   |     |     |          |           |   |     |     |           |           |       |     |     |   |               |       |     |     |   |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |  |  |                      |  |                                    |  |  |  |  |  |  |            |   |   |   |    |    |    |    |    |    |    |                  |  |  |  |  |  |  |  |  |  |  |              |    |     |    |   |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |
|                  | <p>Mount FlexiCable on your S3D enclosure.</p> <p>Create a hole with a screw driver.</p> <p>Push the cable through FlexiCable and finish-off your installation.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <p>NSYAEC PFLA7</p> <p>NSYAEC PFLA10</p> <p>NSYAEC PFLA25</p> <p>NSYAEC PFLA33</p> |                                          |               |                                          |            |           |           |    |     |               |            |           |   |     |     |          |           |   |     |     |          |           |   |     |     |          |           |   |     |     |           |           |       |     |     |   |               |       |     |     |   |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |  |  |                      |  |                                    |  |  |  |  |  |  |            |   |   |   |    |    |    |    |    |    |    |                  |  |  |  |  |  |  |  |  |  |  |              |    |     |    |   |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |   |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |                  |  |  |  |  |  |  |  |  |  |  |               |    |     |    |    |   |    |   |   |   |   |   |

(1) Enclosure with 2 cable-gland plates.

### Dimensions



| Multi-C                                                               |                       |                                    |       |         |       |      |          |               | Multi-R         |                       |                                    |       |       |        |          |             |
|-----------------------------------------------------------------------|-----------------------|------------------------------------|-------|---------|-------|------|----------|---------------|-----------------|-----------------------|------------------------------------|-------|-------|--------|----------|-------------|
| 266                                                                   |                       |                                    |       |         |       |      |          |               | 266             |                       |                                    |       |       |        |          |             |
| 10 units. Reference by unit. Order by multiples of 10 (10, 20, 30...) |                       |                                    |       |         |       |      |          |               | 1 unit          |                       |                                    |       |       |        |          |             |
| No. of openings                                                       | Dimensions/ cut-out Ø | Diameter of the cable entry (Ø mm) |       |         |       |      |          | References    | No. of openings | Dimensions/ cut-out Ø | Diameter of the cable entry (Ø mm) |       |       |        |          | References  |
|                                                                       |                       | 3-5.5                              | 3-6.5 | 3.6-6.5 | 5-9.2 | 6-10 | 9.6-15.9 |               |                 |                       | 4.3-8.1                            | 3-6.5 | 5-9.2 | 8-12.5 | 9.6-15.9 |             |
| 4                                                                     | 50.5                  | -                                  | -     | -       | -     | 3    | 1        | NSYTSAM504SE  | 14              | 112 x 36              | -                                  | 6     | 4     | -      | -        | NSYSA2414SE |
| 8                                                                     | 50.5                  | -                                  | -     | 7       | -     | 1    | -        | NSYTSAM508SE  | 17              | 112 x 36              | -                                  | -     | 17    | -      | -        | NSYSA2417SE |
| 8                                                                     | 63.5                  | -                                  | 2     | -       | 4     | -    | 2        | NSYTSAM638SE  | 22              | 112 x 36              | -                                  | 16    | 4     | 2      | -        | NSYSA2422SE |
| 13                                                                    | 63.5                  | 6                                  | -     | 6       | -     | 1    | -        | NSYTSAM6313SE | 23              | 112 x 36              | 23                                 | -     | -     | -      | -        | NSYSA2423SE |
|                                                                       |                       |                                    |       |         |       |      |          |               | 29              | 112 x 36              | -                                  | 29    | -     | -      | -        | NSYSA2429SE |

**Position of the holes on the circular cable entries with diameters 50 and 63 mm**

DB3300397-53  
 DB3300398-53  
 DB3300400-12  
 DB3300401-12  
 DB3300402-12  
 DB3300403-12

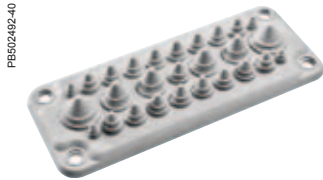
NSYTSAM504SE  
 NSYTSAM508SE  
 NSYTSAM638SE  
 NSYTSAM6313SE

**Diagrams of dimensions and positions of the holes on a rectangular cable entry**

DB3300399EN-65  
 DB3300404EN-40  
 DB3300407EN-37  
 DB3300405EN-35  
 DB3300408EN-36  
 DB3300409EN-34

NSYSA2414SE  
 NSYSA2422SE  
 NSYSA2417SE  
 NSYSA2423SE  
 NSYSA2429SE

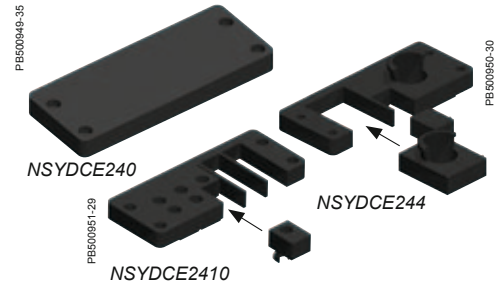
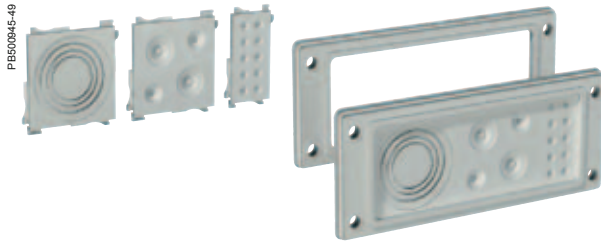
### Dimensions



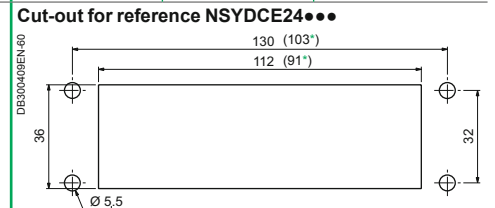
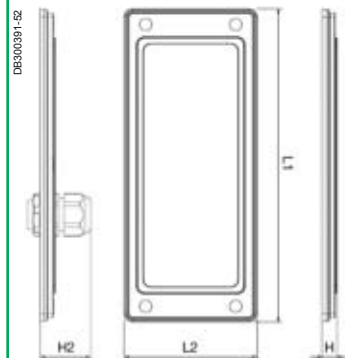
| Characteristics      | Multi-T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Multi-H              |                                    |      |       |       |       |       |       |       |       |             |  |            |     |      |      |      |       |       |       |       |       |       |       |                                                                                                                                                                                                                           |                 |   |   |           |    |    |   |   |   |   |   |   |            |    |   |   |   |   |    |   |   |   |   |   |   |             |    |   |   |    |   |    |   |   |   |   |   |   |             |                                                                                                                                                                                                                                                                                                        |           |  |  |           |    |    |   |     |    |    |          |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------------|--|------------|-----|------|------|------|-------|-------|-------|-------|-------|-------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---|---|-----------|----|----|---|---|---|---|---|---|------------|----|---|---|---|---|----|---|---|---|---|---|---|-------------|----|---|---|----|---|----|---|---|---|---|---|---|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--|--|-----------|----|----|---|-----|----|----|----------|
| See page             | 267                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 267                  |                                    |      |       |       |       |       |       |       |       |             |  |            |     |      |      |      |       |       |       |       |       |       |       |                                                                                                                                                                                                                           |                 |   |   |           |    |    |   |   |   |   |   |   |            |    |   |   |   |   |    |   |   |   |   |   |   |             |    |   |   |    |   |    |   |   |   |   |   |   |             |                                                                                                                                                                                                                                                                                                        |           |  |  |           |    |    |   |     |    |    |          |
| Supply               | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                    |                                    |      |       |       |       |       |       |       |       |             |  |            |     |      |      |      |       |       |       |       |       |       |       |                                                                                                                                                                                                                           |                 |   |   |           |    |    |   |   |   |   |   |   |            |    |   |   |   |   |    |   |   |   |   |   |   |             |    |   |   |    |   |    |   |   |   |   |   |   |             |                                                                                                                                                                                                                                                                                                        |           |  |  |           |    |    |   |     |    |    |          |
|                      | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">No. of cable entries</th> <th colspan="11">Diameter of the cable entry (Ø mm)</th> <th rowspan="2">References</th> </tr> <tr> <th>5-7</th> <th>6-10</th> <th>8-12</th> <th>8-16</th> <th>10-14</th> <th>12-18</th> <th>14-20</th> <th>17-32</th> <th>20-26</th> <th>24-54</th> <th>30-60</th> </tr> </thead> </table>                                                                                                                                                                                                                                                                                                                                                                            | No. of cable entries | Diameter of the cable entry (Ø mm) |      |       |       |       |       |       |       |       |             |  | References | 5-7 | 6-10 | 8-12 | 8-16 | 10-14 | 12-18 | 14-20 | 17-32 | 20-26 | 24-54 | 30-60 | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">Dimensions (mm)</th> <th rowspan="2">Reference</th> </tr> <tr> <th>L1</th> <th>L2</th> <th>H</th> </tr> </thead> </table> | Dimensions (mm) |   |   | Reference | L1 | L2 | H |   |   |   |   |   |            |    |   |   |   |   |    |   |   |   |   |   |   |             |    |   |   |    |   |    |   |   |   |   |   |   |             |                                                                                                                                                                                                                                                                                                        |           |  |  |           |    |    |   |     |    |    |          |
| No. of cable entries | Diameter of the cable entry (Ø mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                      |                                    |      |       |       |       |       |       |       |       | References  |  |            |     |      |      |      |       |       |       |       |       |       |       |                                                                                                                                                                                                                           |                 |   |   |           |    |    |   |   |   |   |   |   |            |    |   |   |   |   |    |   |   |   |   |   |   |             |    |   |   |    |   |    |   |   |   |   |   |   |             |                                                                                                                                                                                                                                                                                                        |           |  |  |           |    |    |   |     |    |    |          |
|                      | 5-7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 6-10                 | 8-12                               | 8-16 | 10-14 | 12-18 | 14-20 | 17-32 | 20-26 | 24-54 | 30-60 |             |  |            |     |      |      |      |       |       |       |       |       |       |       |                                                                                                                                                                                                                           |                 |   |   |           |    |    |   |   |   |   |   |   |            |    |   |   |   |   |    |   |   |   |   |   |   |             |    |   |   |    |   |    |   |   |   |   |   |   |             |                                                                                                                                                                                                                                                                                                        |           |  |  |           |    |    |   |     |    |    |          |
| Dimensions (mm)      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      | Reference                          |      |       |       |       |       |       |       |       |             |  |            |     |      |      |      |       |       |       |       |       |       |       |                                                                                                                                                                                                                           |                 |   |   |           |    |    |   |   |   |   |   |   |            |    |   |   |   |   |    |   |   |   |   |   |   |             |    |   |   |    |   |    |   |   |   |   |   |   |             |                                                                                                                                                                                                                                                                                                        |           |  |  |           |    |    |   |     |    |    |          |
| L1                   | L2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | H                    |                                    |      |       |       |       |       |       |       |       |             |  |            |     |      |      |      |       |       |       |       |       |       |       |                                                                                                                                                                                                                           |                 |   |   |           |    |    |   |   |   |   |   |   |            |    |   |   |   |   |    |   |   |   |   |   |   |             |    |   |   |    |   |    |   |   |   |   |   |   |             |                                                                                                                                                                                                                                                                                                        |           |  |  |           |    |    |   |     |    |    |          |
|                      | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="12">Type FL21</th> </tr> </thead> <tbody> <tr> <td>0</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td> <td>NSYAECFLBP*</td> </tr> <tr> <td>7</td><td>-</td><td>-</td><td>-</td><td>4</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>2</td><td>1</td> <td>NSYAECFLT7</td> </tr> <tr> <td>27</td><td>4</td><td>-</td><td>4</td><td>-</td><td>13</td><td>-</td><td>4</td><td>-</td><td>2</td><td>-</td><td>-</td> <td>NSYAECFLT25</td> </tr> <tr> <td>37</td><td>-</td><td>4</td><td>14</td><td>-</td><td>16</td><td>2</td><td>-</td><td>1</td><td>-</td><td>-</td><td>-</td> <td>NSYAECFLT35</td> </tr> </tbody> </table> | Type FL21            |                                    |      |       |       |       |       |       |       |       |             |  | 0          | -   | -    | -    | -    | -     | -     | -     | -     | -     | -     | -     | NSYAECFLBP*                                                                                                                                                                                                               | 7               | - | - | -         | 4  | -  | - | - | - | - | 2 | 1 | NSYAECFLT7 | 27 | 4 | - | 4 | - | 13 | - | 4 | - | 2 | - | - | NSYAECFLT25 | 37 | - | 4 | 14 | - | 16 | 2 | - | 1 | - | - | - | NSYAECFLT35 | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">Type FL21</th> <th rowspan="2">Reference</th> </tr> <tr> <th>L1</th> <th>L2</th> <th>H</th> </tr> </thead> <tbody> <tr> <td>215</td> <td>85</td> <td>10</td> <td>NSYTSKFL</td> </tr> </tbody> </table> | Type FL21 |  |  | Reference | L1 | L2 | H | 215 | 85 | 10 | NSYTSKFL |
| Type FL21            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      |                                    |      |       |       |       |       |       |       |       |             |  |            |     |      |      |      |       |       |       |       |       |       |       |                                                                                                                                                                                                                           |                 |   |   |           |    |    |   |   |   |   |   |   |            |    |   |   |   |   |    |   |   |   |   |   |   |             |    |   |   |    |   |    |   |   |   |   |   |   |             |                                                                                                                                                                                                                                                                                                        |           |  |  |           |    |    |   |     |    |    |          |
| 0                    | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                    | -                                  | -    | -     | -     | -     | -     | -     | -     | -     | NSYAECFLBP* |  |            |     |      |      |      |       |       |       |       |       |       |       |                                                                                                                                                                                                                           |                 |   |   |           |    |    |   |   |   |   |   |   |            |    |   |   |   |   |    |   |   |   |   |   |   |             |    |   |   |    |   |    |   |   |   |   |   |   |             |                                                                                                                                                                                                                                                                                                        |           |  |  |           |    |    |   |     |    |    |          |
| 7                    | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                    | -                                  | 4    | -     | -     | -     | -     | -     | 2     | 1     | NSYAECFLT7  |  |            |     |      |      |      |       |       |       |       |       |       |       |                                                                                                                                                                                                                           |                 |   |   |           |    |    |   |   |   |   |   |   |            |    |   |   |   |   |    |   |   |   |   |   |   |             |    |   |   |    |   |    |   |   |   |   |   |   |             |                                                                                                                                                                                                                                                                                                        |           |  |  |           |    |    |   |     |    |    |          |
| 27                   | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                    | 4                                  | -    | 13    | -     | 4     | -     | 2     | -     | -     | NSYAECFLT25 |  |            |     |      |      |      |       |       |       |       |       |       |       |                                                                                                                                                                                                                           |                 |   |   |           |    |    |   |   |   |   |   |   |            |    |   |   |   |   |    |   |   |   |   |   |   |             |    |   |   |    |   |    |   |   |   |   |   |   |             |                                                                                                                                                                                                                                                                                                        |           |  |  |           |    |    |   |     |    |    |          |
| 37                   | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4                    | 14                                 | -    | 16    | 2     | -     | 1     | -     | -     | -     | NSYAECFLT35 |  |            |     |      |      |      |       |       |       |       |       |       |       |                                                                                                                                                                                                                           |                 |   |   |           |    |    |   |   |   |   |   |   |            |    |   |   |   |   |    |   |   |   |   |   |   |             |    |   |   |    |   |    |   |   |   |   |   |   |             |                                                                                                                                                                                                                                                                                                        |           |  |  |           |    |    |   |     |    |    |          |
| Type FL21            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      | Reference                          |      |       |       |       |       |       |       |       |             |  |            |     |      |      |      |       |       |       |       |       |       |       |                                                                                                                                                                                                                           |                 |   |   |           |    |    |   |   |   |   |   |   |            |    |   |   |   |   |    |   |   |   |   |   |   |             |    |   |   |    |   |    |   |   |   |   |   |   |             |                                                                                                                                                                                                                                                                                                        |           |  |  |           |    |    |   |     |    |    |          |
| L1                   | L2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | H                    |                                    |      |       |       |       |       |       |       |       |             |  |            |     |      |      |      |       |       |       |       |       |       |       |                                                                                                                                                                                                                           |                 |   |   |           |    |    |   |   |   |   |   |   |            |    |   |   |   |   |    |   |   |   |   |   |   |             |    |   |   |    |   |    |   |   |   |   |   |   |             |                                                                                                                                                                                                                                                                                                        |           |  |  |           |    |    |   |     |    |    |          |
| 215                  | 85                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 10                   | NSYTSKFL                           |      |       |       |       |       |       |       |       |             |  |            |     |      |      |      |       |       |       |       |       |       |       |                                                                                                                                                                                                                           |                 |   |   |           |    |    |   |   |   |   |   |   |            |    |   |   |   |   |    |   |   |   |   |   |   |             |    |   |   |    |   |    |   |   |   |   |   |   |             |                                                                                                                                                                                                                                                                                                        |           |  |  |           |    |    |   |     |    |    |          |
|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      |                                    |      |       |       |       |       |       |       |       |             |  |            |     |      |      |      |       |       |       |       |       |       |       |                                                                                                                                                                                                                           |                 |   |   |           |    |    |   |   |   |   |   |   |            |    |   |   |   |   |    |   |   |   |   |   |   |             |    |   |   |    |   |    |   |   |   |   |   |   |             |                                                                                                                                                                                                                                                                                                        |           |  |  |           |    |    |   |     |    |    |          |

\* Metallic plate.

### Dimensions



| Multi-F          |    |     |      |                                    |                   |                   |                   |                       |              | Multi-CR                  |                         |               |
|------------------|----|-----|------|------------------------------------|-------------------|-------------------|-------------------|-----------------------|--------------|---------------------------|-------------------------|---------------|
| 267              |    |     |      |                                    |                   |                   |                   |                       |              | 267                       |                         |               |
| -                |    |     |      |                                    |                   |                   |                   |                       |              | 1 die and fixing elements |                         |               |
| Dimensions (mm)  |    |     |      | Diameter of the cable entry (Ø mm) |                   |                   |                   | References            |              | Connector cut-out type    | Number of cable entries | References    |
| L1               | L2 | H   | H2   | 4-10 mm (1)                        | M16 (5-10 mm) (2) | M20 (6-13 mm) (2) | M25 (8-17 mm) (2) | M32 or M40 or M50 (3) |              |                           |                         |               |
| <b>Type FL13</b> |    |     |      |                                    |                   |                   |                   |                       |              |                           |                         |               |
| 134              | 52 | 6.5 | ~ 35 | 10                                 | -                 | 1                 | -                 | -                     | NSYAECPKFL11 | 16                        | 8                       | NSYDCE168     |
| <b>Type FL21</b> |    |     |      |                                    |                   |                   |                   |                       |              |                           |                         |               |
| 214              | 90 | 9   | ~ 35 | -                                  | 2                 | 2                 | 2                 | 1                     | NSYAECPKFL7A | 24                        | 0                       | NSYDCE240     |
| 214              | 90 | 9   | ~ 35 | -                                  | -                 | 6                 | -                 | 1                     | NSYAECPKFL7B | 24                        | 4                       | NSYDCE244 (4) |
| 214              | 90 | 9   | ~ 35 | -                                  | 4                 | 2                 | 4                 | -                     | NSYAECPKFL10 | 24                        | 10                      | NSYDCE2410    |



\* Cut-out for reference NSYDCE16●●●.

#### Split seals for cable entries equipped with connectors

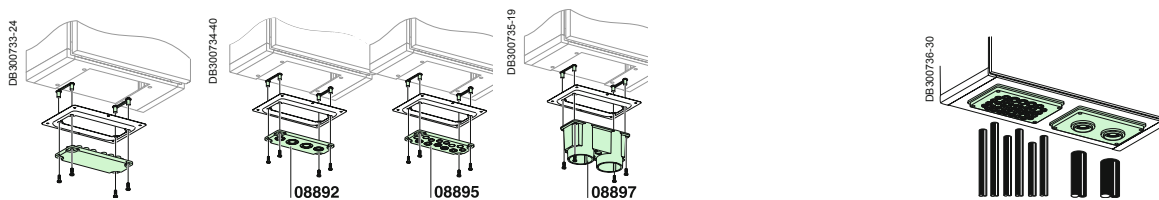
- Split seals suited to the diameter of the cable to be mounted on the cable-entry dies for the connectors. Ref. NSYDCE●●●.
- **Supply:** 10 units. Reference per unit. To be ordered in multiples of 10 (10, 20, 30, etc.).

| For cables Ø (mm)** | References  |
|---------------------|-------------|
| 0                   | NSYCEJD     |
| 3-4                 | NSYCEJD3    |
| 5-6                 | NSYCEJD5    |
| 7-8                 | NSYCEJD7    |
| 9-10                | NSYCEJD9    |
| 11-12               | NSYCEJD11   |
| 13-14               | NSYCEJD13   |
| 16-17               | NSYCEJD16** |
| 18-19               | NSYCEJD18** |
| 20-21               | NSYCEJD20** |
| 22-23               | NSYCEJD22** |
| 24-25               | NSYCEJD24** |
| 26-27               | NSYCEJD26** |
| 28-29               | NSYCEJD28** |
| 30-31               | NSYCEJD30** |

\*\* Large seal, 24/4 die only.

(1) "Pop-out" membranes only.  
 (2) "Pop-out" membranes or cable gland installation.  
 (3) Knock out system.  
 (4) NSYDCE244 accepts 4 entries: 2 large seals and 2 small seals.

### Dimensions



| Characteristics |                           | Prisma                                                 |                                                            |                         |                                                        |      |            |       |                              |        |
|-----------------|---------------------------|--------------------------------------------------------|------------------------------------------------------------|-------------------------|--------------------------------------------------------|------|------------|-------|------------------------------|--------|
| Type            | FL21                      |                                                        |                                                            |                         | 225 x 137 mm opening                                   |      |            |       |                              |        |
|                 | Plain                     | Pre-drilled                                            | Membrane                                                   |                         | Pre-drilled                                            |      |            |       |                              |        |
|                 | Solid cable-gland plates. | Suitable for receiving cable glands with metric pitch. | Membrane to be drilled according to the required diameter. |                         | Suitable for receiving cable glands with metric pitch. |      |            |       |                              |        |
| See page        | 267                       |                                                        |                                                            |                         |                                                        |      |            |       |                              |        |
|                 | Reference                 | References                                             | No. entries                                                | Amount of entries per Ø | Cable diameter comprised between                       | Ref. | References |       |                              |        |
|                 | 08881                     | 2 x M20 or M32 + 2 x M25 or M40                        | 08892                                                      | 2                       | 2                                                      | 28   | 60         | 08897 | With 39 entries from 7 to 26 | 08898* |
|                 |                           | 5 x M16 or M25 + 8 x M20                               | 08895                                                      |                         |                                                        |      |            |       | With 2 entries from 33 to 72 | 08899  |

\* Reference 08898 is made up of:  
 3 cables with diameters from 14 to 26.  
 4 cables with diameters from 10 to 20.  
 32 cables with diameters from 7 to 16.

### Accessories for Multi-A

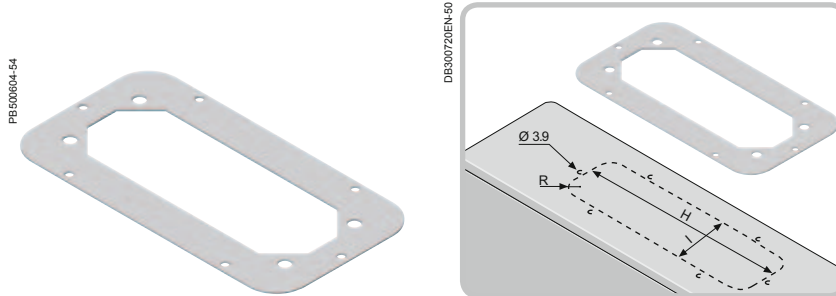


2 x 30 + 3 x 18 + 5 x 14 mm.

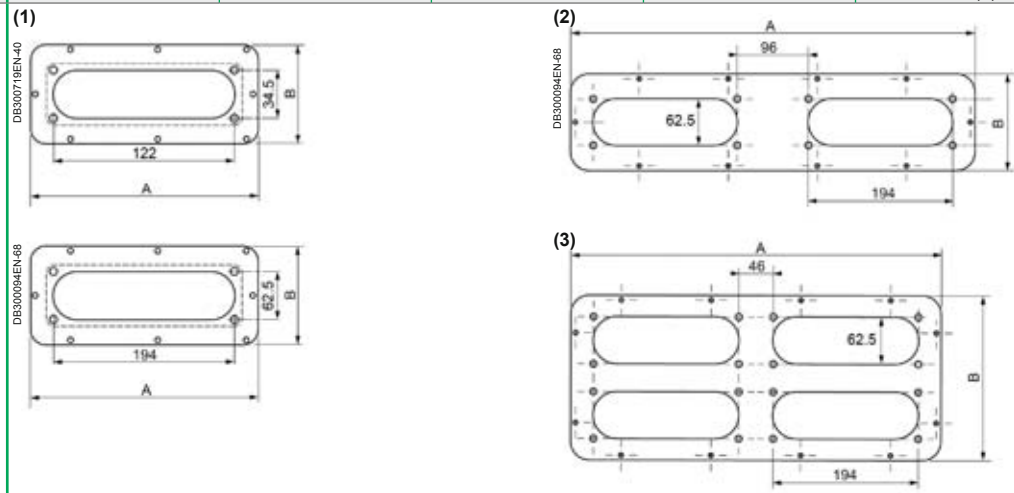
| Characteristics                 | Cable clamp for improved cable retention                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Blanking plugs                                                                                                                                                                                                                                |                                 |                           |        |            |    |    |     |          |               |    |    |      |          |               |    |    |       |          |               |    |    |       |          |               |                         |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------|--------|------------|----|----|-----|----------|---------------|----|----|------|----------|---------------|----|----|-------|----------|---------------|----|----|-------|----------|---------------|-------------------------|
|                                 | Installation on FL 21 membrane type "A" for cable entrance to block cables when installed. It can be easily removed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <ul style="list-style-type: none"> <li>Installation on FL 21 membrane type "A" for cable entrance to fill the opening used.</li> <li>Set of 2 plugs for diameter 30 mm, 3 plugs for diameter 18 mm and 5 plugs for diameter 14 mm.</li> </ul> |                                 |                           |        |            |    |    |     |          |               |    |    |      |          |               |    |    |       |          |               |    |    |       |          |               |                         |
| Material                        | PA6 - halogen free                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | LDPE - halogen free                                                                                                                                                                                                                           |                                 |                           |        |            |    |    |     |          |               |    |    |      |          |               |    |    |       |          |               |    |    |       |          |               |                         |
| Installation                    | <ol style="list-style-type: none"> <li>Push the cable through the membrane entrance to the desired position</li> <li>Put the cable clamp around the cable and slide it into the cable entry</li> <li>Push the cable clamp fully into the membrane entrance and the cable will be fixed</li> </ol>                                                                                                                                                                                                                                                                                                          | -                                                                                                                                                                                                                                             |                                 |                           |        |            |    |    |     |          |               |    |    |      |          |               |    |    |       |          |               |    |    |       |          |               |                         |
| Other characteristics           | Temperature range: -40 to +85°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Temperature range: -30 to +50°C                                                                                                                                                                                                               |                                 |                           |        |            |    |    |     |          |               |    |    |      |          |               |    |    |       |          |               |    |    |       |          |               |                         |
|                                 | <table border="1"> <thead> <tr> <th>Cable clamp outer diameter (mm)</th> <th>Membrane entrance diameter (mm)</th> <th>Cable diameter range (mm)</th> <th>Supply</th> <th>References</th> </tr> </thead> <tbody> <tr> <td>15</td> <td>14</td> <td>7-9</td> <td>Set of 8</td> <td>NSYAECPLACA14</td> </tr> <tr> <td>18</td> <td>18</td> <td>9-11</td> <td>Set of 6</td> <td>NSYAECPLACA18</td> </tr> <tr> <td>20</td> <td>18</td> <td>10-12</td> <td>Set of 6</td> <td>NSYAECPLACA20</td> </tr> <tr> <td>30</td> <td>30</td> <td>20-23</td> <td>Set of 3</td> <td>NSYAECPLACA30</td> </tr> </tbody> </table> | Cable clamp outer diameter (mm)                                                                                                                                                                                                               | Membrane entrance diameter (mm) | Cable diameter range (mm) | Supply | References | 15 | 14 | 7-9 | Set of 8 | NSYAECPLACA14 | 18 | 18 | 9-11 | Set of 6 | NSYAECPLACA18 | 20 | 18 | 10-12 | Set of 6 | NSYAECPLACA20 | 30 | 30 | 20-23 | Set of 3 | NSYAECPLACA30 | Reference<br>NSYAECPLAP |
| Cable clamp outer diameter (mm) | Membrane entrance diameter (mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Cable diameter range (mm)                                                                                                                                                                                                                     | Supply                          | References                |        |            |    |    |     |          |               |    |    |      |          |               |    |    |       |          |               |    |    |       |          |               |                         |
| 15                              | 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 7-9                                                                                                                                                                                                                                           | Set of 8                        | NSYAECPLACA14             |        |            |    |    |     |          |               |    |    |      |          |               |    |    |       |          |               |    |    |       |          |               |                         |
| 18                              | 18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 9-11                                                                                                                                                                                                                                          | Set of 6                        | NSYAECPLACA18             |        |            |    |    |     |          |               |    |    |      |          |               |    |    |       |          |               |    |    |       |          |               |                         |
| 20                              | 18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 10-12                                                                                                                                                                                                                                         | Set of 6                        | NSYAECPLACA20             |        |            |    |    |     |          |               |    |    |      |          |               |    |    |       |          |               |    |    |       |          |               |                         |
| 30                              | 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 20-23                                                                                                                                                                                                                                         | Set of 3                        | NSYAECPLACA30             |        |            |    |    |     |          |               |    |    |      |          |               |    |    |       |          |               |    |    |       |          |               |                         |
|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                               |                                 |                           |        |            |    |    |     |          |               |    |    |      |          |               |    |    |       |          |               |    |    |       |          |               |                         |

\* Secure your installation with an easy solution for cable anchorage.

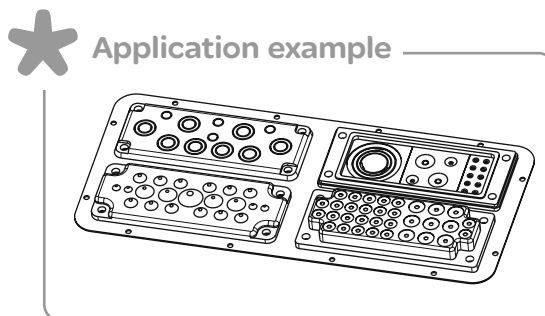
### Dimensions



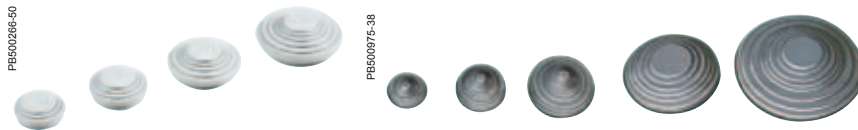
| Characteristics           |   | Steel adapter plate for FL13 and FL21 membranes                            |     |                         |     |               |
|---------------------------|---|----------------------------------------------------------------------------|-----|-------------------------|-----|---------------|
|                           |   | Allows the mounting of FL13 and FL21 membranes on every type of enclosure. |     |                         |     |               |
| Ingress protection rating |   | IP55                                                                       |     |                         |     |               |
| Supply                    |   | Delivered with fixing screws and gasket                                    |     |                         |     |               |
| Type                      |   | Plate dimensions (mm)                                                      |     | Cut-out dimensions (mm) |     | References    |
| FL13                      | B | A                                                                          | B   | H                       | I   | NSYTLBFL (1)  |
| FL21                      | C | 245                                                                        | 80  | 212                     | 47  | NSYTLCFL (1)  |
|                           | D | 245                                                                        | 130 | 212                     | 97  | NSYTLDFL (1)  |
|                           | E | 345                                                                        | 130 | 312                     | 97  | NSYTLDFL (1)  |
|                           | F | 445                                                                        | 130 | 412                     | 97  | NSYTLDFL (1)  |
|                           | G | 545                                                                        | 130 | 512                     | 97  | NSYTLFFL (1)  |
|                           |   | 495                                                                        | 220 | 462                     | 187 | NSYTLF2FL (2) |
|                           |   |                                                                            |     |                         |     | NSYTLGFL (1)  |
|                           |   |                                                                            |     |                         |     | NSYTLG2FL (2) |
|                           |   |                                                                            |     |                         |     | NSYTLG4FL (3) |



Our membrane can be easily adapted to fit onto all our metallic enclosures using the adapter plate.



### Dimensions



| Characteristics | Mixed membrane entries for IP55 direct cable entries |                        |                   |                 | PVC adjustable cone-shaped entries |            |             |            |            |          |          |                 |             |               |                   |
|-----------------|------------------------------------------------------|------------------------|-------------------|-----------------|------------------------------------|------------|-------------|------------|------------|----------|----------|-----------------|-------------|---------------|-------------------|
| See page        | 268                                                  |                        |                   |                 | 268                                |            |             |            |            |          |          |                 |             |               |                   |
| Supply          | Minor packaging of 10 pieces                         |                        |                   |                 | -                                  |            |             |            |            |          |          |                 |             |               |                   |
|                 | <b>Ø (mm)</b>                                        | <b>Cable / conduit</b> | <b>References</b> |                 | <b>Fig.</b>                        | <b>Ø A</b> | <b>Ø B*</b> | <b>Ø C</b> | <b>Ø D</b> | <b>E</b> | <b>F</b> | <b>Capacity</b> |             | <b>Supply</b> | <b>References</b> |
|                 | <b>Drill hole</b>                                    |                        | <b>RAL 9010</b>   | <b>RAL 7035</b> |                                    |            |             |            |            |          |          | <b>Cable Ø</b>  | <b>Tube</b> |               |                   |
|                 | 23                                                   | 4 - 20                 | <b>IMT36172</b>   | <b>ISM71071</b> | 1                                  | 25         | 21.5        | 18         | 5          | 3.2      | 13       | 5 to 18         | PG 9 to 11  | 50            | <b>NSYECPC3</b>   |
|                 | 29                                                   | 4 - 25                 | <b>IMT36173</b>   | <b>ISM71072</b> |                                    | 33         | 29.5        | 26         | 5          | 3.2      | 20       | 5 to 26         | PG 9 to 16  | 25            | <b>NSYECPC5</b>   |
|                 | 36                                                   | 4 - 32                 | -                 | <b>ISM71073</b> |                                    | 43         | 38.5        | 36         | 5          | 3.2      | 22       | 5 to 36         | PG 9 to 21  | 25            | <b>NSYECPC6</b>   |
|                 | 44                                                   | 4 - 40                 | -                 | <b>ISM71074</b> | 2                                  | 70         | 63          | 60         | 28         | 3        | 20       | 28 to 60        | PG 21 to 48 | 10            | <b>NSYECPC9</b>   |
|                 |                                                      |                        |                   |                 |                                    | 98         | 90          | 87         | 28         | 3        | 23       | 28 to 87        | PG 21 to 48 | 10            | <b>NSYECPC15</b>  |
|                 |                                                      |                        |                   |                 |                                    |            |             |            |            |          |          |                 |             |               |                   |

\* Drill-hole for mounting.



| Characteristics | ISO cable-gland                                                                                                                                       |                    |           |           |    |                   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------|-----------|----|-------------------|
| See page        | 268                                                                                                                                                   |                    |           |           |    |                   |
| Supply          | <ul style="list-style-type: none"> <li>The cable-glands are supplied with nuts</li> <li>Pack of 20 (M12 to M20), 10 (M25 and M32), 5 (M40)</li> </ul> |                    |           |           |    |                   |
| <b>Ø</b>        | <b>Ø min / max (mm)</b>                                                                                                                               | <b>drill Ø (2)</b> | <b>TD</b> | <b>TL</b> |    | <b>References</b> |
| M12             | 3 / 6.5                                                                                                                                               | 12.2 (0 + 0.2)     | 12        | 6         | 15 | <b>ISM71501</b>   |
| M16             | 4 / 8                                                                                                                                                 | 16.2 (0 + 0.2)     | 16        | 8         | 19 | <b>ISM71502</b>   |
| M20             | 6 / 12                                                                                                                                                | 20.2 (0 + 0.2)     | 20        | 10        | 24 | <b>ISM71503</b>   |
| M20 (1)         | 6 / 12                                                                                                                                                | 20.2 (0 + 0.2)     | 20        | 10        | 24 | <b>IMT36150</b>   |
| M25             | 11 / 17                                                                                                                                               | 25.2 (0 + 0.2)     | 25        | 8         | 29 | <b>ISM71504</b>   |
| M32             | 15 / 21                                                                                                                                               | 32.2 (0 + 0.3)     | 32        | 10        | 36 | <b>ISM71505</b>   |
| M40             | 19 / 28                                                                                                                                               | 40.5 (0 + 0.3)     | 40        | 10        | 46 | <b>ISM71506</b>   |
|                 |                                                                                                                                                       |                    |           |           |    |                   |

(1) Cable-gland with high resistance to fire.

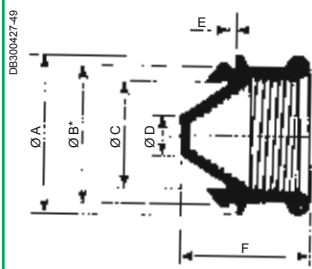
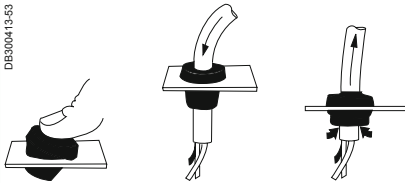
(2) In brackets: tolerance.



### Dimensions



| IP67 quick cable entries |            |         |        |                 |      | PVC adjustable cone-shaped entries |      |     |     |    |          |          |      |               |            |
|--------------------------|------------|---------|--------|-----------------|------|------------------------------------|------|-----|-----|----|----------|----------|------|---------------|------------|
| 268                      |            |         |        |                 |      | 268                                |      |     |     |    |          |          |      |               |            |
| -                        |            |         |        |                 |      | -                                  |      |     |     |    |          |          |      |               |            |
| ISO                      | Ø (mm)     |         | Supply | References      |      | Ø A                                | Ø B* | Ø C | Ø D | E  | F        | Capacity |      | Supply        | References |
|                          | Drill hole | Cable   |        |                 |      |                                    |      |     |     |    |          | Cable Ø  | Tube |               |            |
| M12                      | 12.5       | 3 - 5   | 50     | <b>IMT36179</b> | 25   | 19.5                               | 16   | 3   | 1.2 | 21 | 3 to 16  | PG 9     | 50   | <b>NSYEC1</b> |            |
| M16                      | 16         | 5 - 7   | 50     | <b>IMT36180</b> |      |                                    |      | 6   | 1.2 | 21 | 6 to 16  | PG 11    | 50   | <b>NSYEC2</b> |            |
| M20                      | 20.3       | 7 - 10  | 50     | <b>IMT36181</b> | 27   | 21.5                               | 18   | 7   | 1.2 | 23 | 7 to 18  | PG 13.5  | 50   | <b>NSYEC3</b> |            |
| M25                      | 25.3       | 10 - 14 | 50     | <b>IMT36182</b> | 29.5 | 23.5                               | 20   | 8   | 1.2 | 26 | 8 to 20  | PG 16    | 25   | <b>NSYEC4</b> |            |
| M32                      | 32.4       | 14 - 20 | 50     | <b>IMT36183</b> | 35   | 29.5                               | 26   | 10  | 1.2 | 27 | 10 to 26 | PG 21    | 25   | <b>NSYEC5</b> |            |
| M40                      | 40.7       | 20 - 26 | 25     | <b>IMT36184</b> | 42   | 38.5                               | 35   | 12  | 1.5 | 30 | 12 to 35 | PG 29    | 25   | <b>NSYEC6</b> |            |
| M50                      | 50.7       | 26 - 35 | 25     | <b>IMT36185</b> | 52   | 48.5                               | 44   | 13  | 1.5 | 30 | 13 to 44 | PG 36    | 25   | <b>NSYEC7</b> |            |

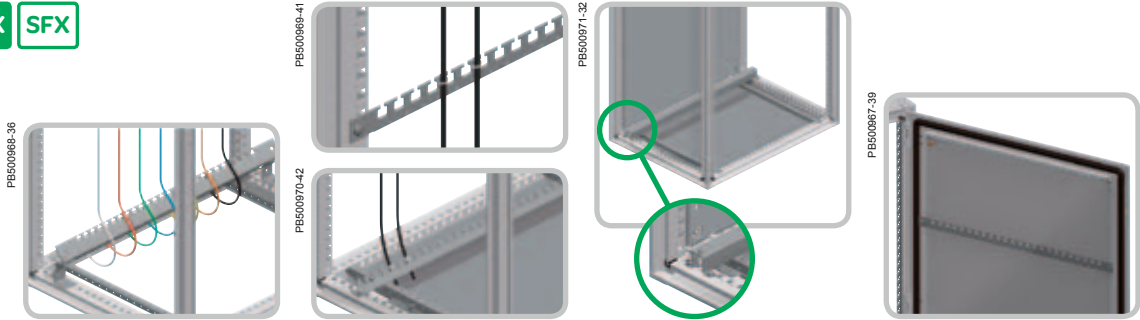


\* Drill-hole for mounting.

# Cable management

## Cable holding

SM SF SMX SFX

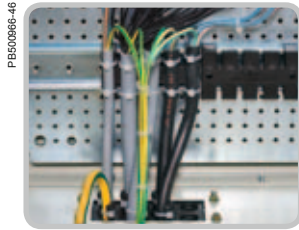


| Characteristics        | Lower cable-guide cross-rail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Cable-guide cross-rails for framework                                                                                                                                                                                                                                                                                                                                                                                                                                     | L-rail for fixing cables                                                                                                                                                                                                                                                                                                                                                                                                                 | Door cable-guide cross-rail                                                                                                                                    |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                        | <ul style="list-style-type: none"> <li>It allows quick fixing of cables entering and exiting the enclosure.</li> <li>Depth adjustable every 25 mm.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                     | Support types: <ul style="list-style-type: none"> <li>Angle support at 90°: for vertical cable fixing.</li> <li>Angle support at 120°: for fixing cables near the cable entry.</li> </ul>                                                                                                                                                                                                                                                                                 | <ul style="list-style-type: none"> <li>Rail for fixing cables entering from the bottom.</li> <li>Adjustable depth with a pitch of 25 mm.</li> <li>It is not possible to mount it on a plinth cross rail.</li> </ul>                                                                                                                                                                                                                      | <ul style="list-style-type: none"> <li>Recommended for fixing cables in the internal equipment of the door.</li> <li>Height adjustable every 25 mm.</li> </ul> |
| Material               | Galvanised steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Zinc-coated steel                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Zinc-coated steel                                                                                                                                                                                                                                                                                                                                                                                                                        | Zinc-coated steel                                                                                                                                              |
| Fixing                 | <ul style="list-style-type: none"> <li><b>Spacial SF:</b> for suitable enclosures with widths of 1200 and 1600 mm, use the adaptation kit for 2-door suitable enclosures, see page 227</li> <li><b>Spacial SM:</b> for floor-standing enclosures with a width of 1200 mm, a top/bottom mounting rail installed in central position is required</li> <li><b>Spacial SFX:</b> no adaptation piece is required for the 1200 mm suitable enclosures</li> <li><b>Spacial SMX:</b> no adaptation piece is required for the 1600 mm floor-standing enclosures</li> </ul> | <ul style="list-style-type: none"> <li><b>Spacial SF and SFX:</b> support for direct mounting on the framework, cross-rails or rails</li> <li><b>Spacial SM:</b> fixing on the bottom mounting rail, or on the floor-standing enclosure by means of adaptation rails and 40 mm universal cross-rails (1 row) in vertical position</li> <li><b>Spacial SMX:</b> fixing on the bottom mounting rail and 40 mm universal cross-rails (1 row) in vertical position</li> </ul> | <ul style="list-style-type: none"> <li><b>Spacial SF and SFX:</b> fixing to the bottom frame, above the cable entry, or else to the plinth, using the plinth cross rails, see page 103</li> <li><b>Spacial SM and SMX:</b> fixing to the bottom adjustment rails, above the cable entry, or else to the plinth, using the plinth cross rails, see page 103</li> <li>The cables are fixed to the rail by means of metal clamps</li> </ul> | <ul style="list-style-type: none"> <li>Direct fixing on the reinforcement frame</li> </ul>                                                                     |
| Supply                 | 1 cable-guide cross-rail and fixing elements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2 supports and fixing elements                                                                                                                                                                                                                                                                                                                                                                                                                                            | One rail, two mounting supports and fixing elements                                                                                                                                                                                                                                                                                                                                                                                      | 2 cable-guide cross-rails and fixing elements                                                                                                                  |
| <b>Dimensions (mm)</b> | <b>References</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                |
| <b>Width (B)</b>       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Support angle</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                |
| 500                    | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>NSYSDGCR5</b>                                                                                                                                               |
| 600                    | <b>NSYCFP60</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 90°<br>120°                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>NSYCFS96</b><br><b>NSYCFS126</b>                                                                                                                                                                                                                                                                                                                                                                                                      | <b>NSYFCG60</b><br><b>NSYSDGCR6</b>                                                                                                                            |
| 800                    | <b>NSYCFP80</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 90°<br>120°                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>NSYCFS98</b><br><b>NSYCFS128</b>                                                                                                                                                                                                                                                                                                                                                                                                      | <b>NSYFCG80</b><br><b>NSYSDGCR8</b>                                                                                                                            |
| 1000                   | <b>NSYCFP100</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>NSYFCG100</b><br><b>NSYSDGCR10</b>                                                                                                                          |
| 1200                   | 2 x <b>NSYCFP60</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>NSYFCG120</b>                                                                                                                                               |
| 1600                   | 2 x <b>NSYCFP80</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>NSYFCG160</b>                                                                                                                                               |
|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                |

# Cable management

## Cable holding

S3D S3X



PB50086-48



PB50033-37

| Characteristics | Plastic cable support                                                    |                       |                | Door cable-guide cross-rails for wall-mounting enclosures                                                                                                                                                                                                                         |            |
|-----------------|--------------------------------------------------------------------------|-----------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
|                 | It clips or screws onto 35 mm symmetric rails or a C-shaped rail.        |                       |                | <ul style="list-style-type: none"> <li>They are installed on wall-mounting enclosures with heights from 400 mm for Spacial S3D and 500 mm for Spacial S3X.</li> <li>They make it easy to equip the inside of the door.</li> <li>Installation cable ties, see page 284.</li> </ul> |            |
| Fixing          | Quick and easy fixing of cables using cable ties                         |                       |                | <ul style="list-style-type: none"> <li>They are fixed to the door reinforcement frame by 2 self-tapping screws. The angle can be directed towards the body of the enclosure or towards the door</li> </ul>                                                                        |            |
| Supply          | 10 units. Reference by unit.<br>Order by multiples of 10 (10, 20, 30...) |                       |                | 2 cable-guide cross-rails and fixing elements                                                                                                                                                                                                                                     |            |
| Dimensions (mm) | Support dimensions (mm)                                                  | Maximum no. of cables | References     | Door dimensions (mm)                                                                                                                                                                                                                                                              | References |
|                 | <b>Width</b>                                                             |                       |                | <b>Width</b>                                                                                                                                                                                                                                                                      |            |
|                 | 75                                                                       | 5                     | NSYSCCDINLG75  | 400                                                                                                                                                                                                                                                                               | NSYTFPCR4  |
|                 | 140                                                                      | 9                     | NSYSCCDINLG140 | 500                                                                                                                                                                                                                                                                               | NSYTFPCR5  |
|                 |                                                                          |                       |                | 600                                                                                                                                                                                                                                                                               | NSYTFPCR6  |
|                 |                                                                          |                       |                | 800                                                                                                                                                                                                                                                                               | NSYTFPCR8  |
|                 |                                                                          |                       |                | 1000                                                                                                                                                                                                                                                                              | NSYTFPCR10 |
|                 |                                                                          |                       |                |                                                                                                                                                                                                                                                                                   |            |

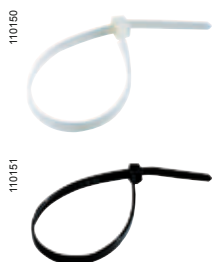
DB300418EN-59

DB300420-25

# Cable management

## Cable ties

### Cintura cable ties

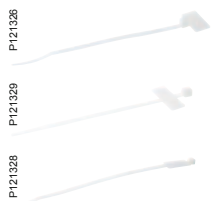


Cable tie for safe and fast clamping of cables, conduits and tubing. Delivered in a sealed packaging to ensure performance, irrespective of storage conditions.

■ **Material:** PA 6.6.

| Max. clamping (mm)            | Colour | Length (mm) | Qty per package | References |
|-------------------------------|--------|-------------|-----------------|------------|
| <b>Cable tie width 2.5 mm</b> |        |             |                 |            |
| Ø 18                          | Clear  | 100         | 1000            | ENN46902   |
|                               | Black  |             |                 | ENN46952   |
| Ø 30                          | Clear  | 120         | 1000            | ENN46904   |
|                               | Black  |             |                 | ENN46954   |
| Ø 50                          | Clear  | 200         | 1000            | ENN46906   |
|                               | Black  |             |                 | ENN46956   |
| <b>Cable tie width 3.6 mm</b> |        |             |                 |            |
| Ø 33                          | Clear  | 140         | 1000            | ENN46908   |
|                               | Black  |             |                 | ENN46958   |
| Ø 50                          | Clear  | 200         | 1000            | ENN46939   |
|                               | Black  |             |                 | ENN46959   |
| Ø 76                          | Clear  | 295         | 100             | ENN46910   |
|                               | Black  |             |                 | ENN46960   |
| Ø 102                         | Clear  | 370         | 100             | ENN46942   |
| <b>Cable tie width 4.8 mm</b> |        |             |                 |            |
| Ø 43                          | Clear  | 188         | 1000            | ENN46914   |
|                               | Black  |             |                 | ENN46964   |
| Ø 50                          | Clear  | 200         | 1000            | ENN46916   |
|                               | Black  |             |                 | ENN46966   |
| Ø 60                          | Clear  | 250         | 100             | ENN46918   |
|                               | Black  |             |                 | ENN46968   |
| Ø 76                          | Clear  | 300         | 100             | ENN46919   |
|                               | Black  |             |                 | ENN46969   |
| Ø 102                         | Clear  | 300         | 100             | ENN46920   |
|                               | Black  |             |                 | ENN46970   |
| <b>Cable tie width 7.6 mm</b> |        |             |                 |            |
| Ø 76                          | Black  | 297         | 100             | ENN46974   |
| Ø 102                         | Clear  | 368         | 100             | ENN46925   |
|                               | Black  |             |                 | ENN46975   |
| <b>Cable tie width 9.0 mm</b> |        |             |                 |            |
| Ø 120                         | Black  | 430         | 100             | ENN46976   |
| Ø 140                         | Clear  | 530         | 100             | ENN46927   |
|                               | Black  |             |                 | ENN46977   |
| Ø 228                         | Black  | 775         | 100             | ENN46978   |

### Identification ties



Identification tie with marker for safe and fast clamping of cables, conduits and tubing. Delivered in a sealed packaging to ensure performance, irrespective of storage conditions.

■ **Material:** PA 6.6.

| Max. clamping (mm)                          | Colour | Length (mm) | Qty per package | References |
|---------------------------------------------|--------|-------------|-----------------|------------|
| <b>Marker size 20 x 9 mm, width 2.5 mm</b>  |        |             |                 |            |
| Ø 18                                        | Clear  | 110         | 100             | ENN46220   |
| <b>Marker size 25 x 8 mm, width 2.5 mm</b>  |        |             |                 |            |
| Ø 18                                        | Clear  | 100         | 100             | ENN46220   |
| <b>Marker size 23 x 13 mm, width 4.8 mm</b> |        |             |                 |            |
| Ø 43                                        | Clear  | 220         | 100             | ENN46225   |

### Accessories



| For max. tie width (mm)                                                                                                                           | Colour | Dimensions H x W x D (mm) | Qty per package | References |
|---------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------------------------|-----------------|------------|
| <b>Self-adhesive bases</b>                                                                                                                        |        |                           |                 |            |
| Self-adhesive base for the fixing of cable ties. The base for max. tie width 4.8 mm is both self-adhesive and has an additional screw-fix option. |        |                           |                 |            |
| ■ <b>Material:</b> PA 6.6.                                                                                                                        |        |                           |                 |            |
| 3.6                                                                                                                                               | Clear  | 19 x 19 x 6               | 100             | ENN46104   |
| 4.8                                                                                                                                               | Clear  | 26.5 x 26.5 x 8           | 100             | ENN46105   |
| <b>Cradle</b>                                                                                                                                     |        |                           |                 |            |
| Cradle for the fixing of cable ties. Fixed with screw or rivet.                                                                                   |        |                           |                 |            |
| ■ <b>Material:</b> PA 6.6.                                                                                                                        |        |                           |                 |            |
| 7.8                                                                                                                                               | Clear  | 22.2 x 15.9 x 9.7         | 100             | ENN46109   |
| <b>Cable tie pincers</b>                                                                                                                          |        |                           |                 |            |
| Pincers intended to facilitate tightening and cutting of 6 and 9 mm installation ties.                                                            |        |                           |                 |            |
| ■ <b>Material:</b> steel.                                                                                                                         |        |                           |                 |            |
| 6 to 9                                                                                                                                            | -      | -                         | 1               | ENN46150   |



| Characteristics                             | Corrugated cable tube                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Spiral cable duct                                                                                                                                      | Lyre-shaped clamps                                                                                                   | Steel wired cable tray                                                                                                                                          |            |         |       |       |  |    |      |      |          |    |    |      |          |    |    |      |          |    |      |      |          |                                                                                                                                                                                                                                                                                               |                       |        |  |            |  |       |       |  |           |   |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |            |                      |            |                                             |         |    |         |  |  |    |         |                                           |         |  |  |                                           |         |  |  |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|-------|-------|--|----|------|------|----------|----|----|------|----------|----|----|------|----------|----|------|------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------|--|------------|--|-------|-------|--|-----------|---|----|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|----------------------|------------|---------------------------------------------|---------|----|---------|--|--|----|---------|-------------------------------------------|---------|--|--|-------------------------------------------|---------|--|--|
|                                             | <ul style="list-style-type: none"> <li>■ Corrugated tube allowing cable entry between the structure and the door.</li> <li>■ Free from halogens and heavy metals.</li> <li>■ UV protection.</li> </ul>                                                                                                                                                                                                                                                                       | <ul style="list-style-type: none"> <li>■ Spiral strip for bundling cables.</li> <li>■ Allows cables to enter between the body and the door.</li> </ul> | Clip-on clamps designed for direct installation on the 19" racks, Telequick mounting plates and symmetric DIN rails. | Mounting on the cable supports.<br>Dimensions (2 types): <ul style="list-style-type: none"> <li>■ 1845 x 200 x 35 mm.</li> <li>■ 1845 x 200 x 54 mm.</li> </ul> |            |         |       |       |  |    |      |      |          |    |    |      |          |    |    |      |          |    |      |      |          |                                                                                                                                                                                                                                                                                               |                       |        |  |            |  |       |       |  |           |   |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |            |                      |            |                                             |         |    |         |  |  |    |         |                                           |         |  |  |                                           |         |  |  |
| Material                                    | Low-density polyethylene (LDPE)                                                                                                                                                                                                                                                                                                                                                                                                                                              | -                                                                                                                                                      | -                                                                                                                    | Zinc-coated steel wire                                                                                                                                          |            |         |       |       |  |    |      |      |          |    |    |      |          |    |    |      |          |    |      |      |          |                                                                                                                                                                                                                                                                                               |                       |        |  |            |  |       |       |  |           |   |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |            |                      |            |                                             |         |    |         |  |  |    |         |                                           |         |  |  |                                           |         |  |  |
| Colour                                      | Black                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Colourless                                                                                                                                             | Black                                                                                                                | -                                                                                                                                                               |            |         |       |       |  |    |      |      |          |    |    |      |          |    |    |      |          |    |      |      |          |                                                                                                                                                                                                                                                                                               |                       |        |  |            |  |       |       |  |           |   |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |            |                      |            |                                             |         |    |         |  |  |    |         |                                           |         |  |  |                                           |         |  |  |
| Supply                                      | One 25 m reel                                                                                                                                                                                                                                                                                                                                                                                                                                                                | One 50 m reel                                                                                                                                          | 10 units. Reference by unit. Order by multiples of 10 (10, 20, 30...)                                                | 1 vertical steel wired cable tray and fixing elements                                                                                                           |            |         |       |       |  |    |      |      |          |    |    |      |          |    |    |      |          |    |      |      |          |                                                                                                                                                                                                                                                                                               |                       |        |  |            |  |       |       |  |           |   |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |            |                      |            |                                             |         |    |         |  |  |    |         |                                           |         |  |  |                                           |         |  |  |
|                                             | <table border="1"> <thead> <tr> <th colspan="3">Ø (mm)</th> <th>References</th> </tr> <tr> <th>Nominal</th> <th>Inner</th> <th>Outer</th> <th></th> </tr> </thead> <tbody> <tr> <td>17</td> <td>16.6</td> <td>21.2</td> <td>NSYCPT17</td> </tr> <tr> <td>29</td> <td>29</td> <td>34.5</td> <td>NSYCPT29</td> </tr> <tr> <td>37</td> <td>36</td> <td>42.4</td> <td>NSYCPT37</td> </tr> <tr> <td>50</td> <td>47.7</td> <td>54.5</td> <td>NSYCPT50</td> </tr> </tbody> </table> | Ø (mm)                                                                                                                                                 |                                                                                                                      |                                                                                                                                                                 | References | Nominal | Inner | Outer |  | 17 | 16.6 | 21.2 | NSYCPT17 | 29 | 29 | 34.5 | NSYCPT29 | 37 | 36 | 42.4 | NSYCPT37 | 50 | 47.7 | 54.5 | NSYCPT50 | <table border="1"> <thead> <tr> <th>Tightening range (mm)</th> <th colspan="2">Ø (mm)</th> <th>References</th> </tr> <tr> <th></th> <th>Inner</th> <th>Outer</th> <th></th> </tr> </thead> <tbody> <tr> <td>12 to 100</td> <td>9</td> <td>12</td> <td>NSYTC12100</td> </tr> </tbody> </table> | Tightening range (mm) | Ø (mm) |  | References |  | Inner | Outer |  | 12 to 100 | 9 | 12 | NSYTC12100 | <table border="1"> <thead> <tr> <th>Use</th> <th>References</th> <th>Necessary depth (mm)</th> <th>References</th> </tr> </thead> <tbody> <tr> <td>For Telequick mounting plates and 19" racks</td> <td>AK2LA39</td> <td>35</td> <td>NSYBPC3</td> </tr> <tr> <td></td> <td></td> <td>54</td> <td>NSYBPC5</td> </tr> <tr> <td>For symmetric DIN rail 90 x 2.5 mm cables</td> <td>AK2LD01</td> <td></td> <td></td> </tr> <tr> <td>For symmetric DIN rail 75 x 2.5 mm cables</td> <td>AK2LD02</td> <td></td> <td></td> </tr> </tbody> </table> | Use | References | Necessary depth (mm) | References | For Telequick mounting plates and 19" racks | AK2LA39 | 35 | NSYBPC3 |  |  | 54 | NSYBPC5 | For symmetric DIN rail 90 x 2.5 mm cables | AK2LD01 |  |  | For symmetric DIN rail 75 x 2.5 mm cables | AK2LD02 |  |  |
| Ø (mm)                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                        | References                                                                                                           |                                                                                                                                                                 |            |         |       |       |  |    |      |      |          |    |    |      |          |    |    |      |          |    |      |      |          |                                                                                                                                                                                                                                                                                               |                       |        |  |            |  |       |       |  |           |   |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |            |                      |            |                                             |         |    |         |  |  |    |         |                                           |         |  |  |                                           |         |  |  |
| Nominal                                     | Inner                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Outer                                                                                                                                                  |                                                                                                                      |                                                                                                                                                                 |            |         |       |       |  |    |      |      |          |    |    |      |          |    |    |      |          |    |      |      |          |                                                                                                                                                                                                                                                                                               |                       |        |  |            |  |       |       |  |           |   |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |            |                      |            |                                             |         |    |         |  |  |    |         |                                           |         |  |  |                                           |         |  |  |
| 17                                          | 16.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 21.2                                                                                                                                                   | NSYCPT17                                                                                                             |                                                                                                                                                                 |            |         |       |       |  |    |      |      |          |    |    |      |          |    |    |      |          |    |      |      |          |                                                                                                                                                                                                                                                                                               |                       |        |  |            |  |       |       |  |           |   |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |            |                      |            |                                             |         |    |         |  |  |    |         |                                           |         |  |  |                                           |         |  |  |
| 29                                          | 29                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 34.5                                                                                                                                                   | NSYCPT29                                                                                                             |                                                                                                                                                                 |            |         |       |       |  |    |      |      |          |    |    |      |          |    |    |      |          |    |      |      |          |                                                                                                                                                                                                                                                                                               |                       |        |  |            |  |       |       |  |           |   |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |            |                      |            |                                             |         |    |         |  |  |    |         |                                           |         |  |  |                                           |         |  |  |
| 37                                          | 36                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 42.4                                                                                                                                                   | NSYCPT37                                                                                                             |                                                                                                                                                                 |            |         |       |       |  |    |      |      |          |    |    |      |          |    |    |      |          |    |      |      |          |                                                                                                                                                                                                                                                                                               |                       |        |  |            |  |       |       |  |           |   |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |            |                      |            |                                             |         |    |         |  |  |    |         |                                           |         |  |  |                                           |         |  |  |
| 50                                          | 47.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 54.5                                                                                                                                                   | NSYCPT50                                                                                                             |                                                                                                                                                                 |            |         |       |       |  |    |      |      |          |    |    |      |          |    |    |      |          |    |      |      |          |                                                                                                                                                                                                                                                                                               |                       |        |  |            |  |       |       |  |           |   |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |            |                      |            |                                             |         |    |         |  |  |    |         |                                           |         |  |  |                                           |         |  |  |
| Tightening range (mm)                       | Ø (mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                        | References                                                                                                           |                                                                                                                                                                 |            |         |       |       |  |    |      |      |          |    |    |      |          |    |    |      |          |    |      |      |          |                                                                                                                                                                                                                                                                                               |                       |        |  |            |  |       |       |  |           |   |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |            |                      |            |                                             |         |    |         |  |  |    |         |                                           |         |  |  |                                           |         |  |  |
|                                             | Inner                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Outer                                                                                                                                                  |                                                                                                                      |                                                                                                                                                                 |            |         |       |       |  |    |      |      |          |    |    |      |          |    |    |      |          |    |      |      |          |                                                                                                                                                                                                                                                                                               |                       |        |  |            |  |       |       |  |           |   |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |            |                      |            |                                             |         |    |         |  |  |    |         |                                           |         |  |  |                                           |         |  |  |
| 12 to 100                                   | 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 12                                                                                                                                                     | NSYTC12100                                                                                                           |                                                                                                                                                                 |            |         |       |       |  |    |      |      |          |    |    |      |          |    |    |      |          |    |      |      |          |                                                                                                                                                                                                                                                                                               |                       |        |  |            |  |       |       |  |           |   |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |            |                      |            |                                             |         |    |         |  |  |    |         |                                           |         |  |  |                                           |         |  |  |
| Use                                         | References                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Necessary depth (mm)                                                                                                                                   | References                                                                                                           |                                                                                                                                                                 |            |         |       |       |  |    |      |      |          |    |    |      |          |    |    |      |          |    |      |      |          |                                                                                                                                                                                                                                                                                               |                       |        |  |            |  |       |       |  |           |   |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |            |                      |            |                                             |         |    |         |  |  |    |         |                                           |         |  |  |                                           |         |  |  |
| For Telequick mounting plates and 19" racks | AK2LA39                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 35                                                                                                                                                     | NSYBPC3                                                                                                              |                                                                                                                                                                 |            |         |       |       |  |    |      |      |          |    |    |      |          |    |    |      |          |    |      |      |          |                                                                                                                                                                                                                                                                                               |                       |        |  |            |  |       |       |  |           |   |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |            |                      |            |                                             |         |    |         |  |  |    |         |                                           |         |  |  |                                           |         |  |  |
|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 54                                                                                                                                                     | NSYBPC5                                                                                                              |                                                                                                                                                                 |            |         |       |       |  |    |      |      |          |    |    |      |          |    |    |      |          |    |      |      |          |                                                                                                                                                                                                                                                                                               |                       |        |  |            |  |       |       |  |           |   |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |            |                      |            |                                             |         |    |         |  |  |    |         |                                           |         |  |  |                                           |         |  |  |
| For symmetric DIN rail 90 x 2.5 mm cables   | AK2LD01                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                        |                                                                                                                      |                                                                                                                                                                 |            |         |       |       |  |    |      |      |          |    |    |      |          |    |    |      |          |    |      |      |          |                                                                                                                                                                                                                                                                                               |                       |        |  |            |  |       |       |  |           |   |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |            |                      |            |                                             |         |    |         |  |  |    |         |                                           |         |  |  |                                           |         |  |  |
| For symmetric DIN rail 75 x 2.5 mm cables   | AK2LD02                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                        |                                                                                                                      |                                                                                                                                                                 |            |         |       |       |  |    |      |      |          |    |    |      |          |    |    |      |          |    |      |      |          |                                                                                                                                                                                                                                                                                               |                       |        |  |            |  |       |       |  |           |   |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |            |                      |            |                                             |         |    |         |  |  |    |         |                                           |         |  |  |                                           |         |  |  |

### Fixing support for corrugated tube

**Mounting options:**

- directly on the enclosure,
- on a 19" swing rack and/or on cross-rails, by means of a fixing point.

■ The supports can be assembled with one another to form sets of tubes that allow a better arrangement of the cables.

■ It allows the rotation of the tube once it is fixed on the support and prevents the corrugated tube from coming loose if subject to pulling movements.

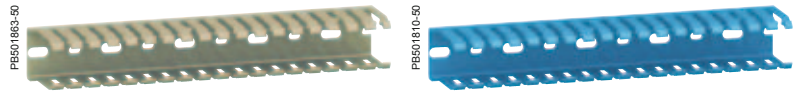
■ **Material:** polyamide (PA), black.  
 ■ **Supply:** 10 units and fixing elements. The support is supplied with its cover.

| Model (n. Ø) | References |
|--------------|------------|
| 17           | NSYCPTS17  |
| 29           | NSYCPTS29  |
| 37           | NSYCPTS37  |
| 50           | NSYCPTS50  |

*n. Ø = nominal diameter.*

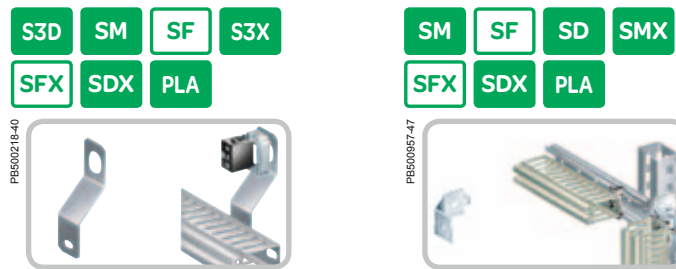
# Cable management

## Ducts



| Characteristics       |             |       | Cable-duct                                                                                                                                                                                                                                                                                                 |
|-----------------------|-------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       |             |       | With lateral through slots and rear perforations.                                                                                                                                                                                                                                                          |
| Material              |             |       | Rigid PVC                                                                                                                                                                                                                                                                                                  |
| Colour                |             |       | RAL 7030 grey or RAL 5000 blue                                                                                                                                                                                                                                                                             |
| Standards             |             |       | Compliance with standards VDE 0660/506 and DIN 43659                                                                                                                                                                                                                                                       |
| Other characteristics |             |       | <ul style="list-style-type: none"> <li>Temperature resistance: -5 ... +60°C</li> <li>Behaviour in fire: material V0 according to UL 94</li> <li>Fire resistance: 960°C according to IEC 60695-2-1/1</li> <li>Maximum capacity of H07.V.K 1.5 mm<sup>2</sup> flexible wire (filling factor: 0.6)</li> </ul> |
| Supply                |             |       | 8 units. Supplied in lengths of 2 m                                                                                                                                                                                                                                                                        |
| Width (mm)            | Height (mm) | Color | References                                                                                                                                                                                                                                                                                                 |
| 25                    | 25          | Grey  | <b>AK2GD2525</b>                                                                                                                                                                                                                                                                                           |
|                       | 50          | Grey  | <b>AK2GD2550</b>                                                                                                                                                                                                                                                                                           |
| 30                    | 35          | Blue  | <b>AK2GA33</b>                                                                                                                                                                                                                                                                                             |
|                       | 55          | Blue  | <b>AK2GA35</b>                                                                                                                                                                                                                                                                                             |
|                       | 90          | Blue  | <b>AKEGA39</b>                                                                                                                                                                                                                                                                                             |
|                       | 144         | Blue  | <b>AK2GA315</b>                                                                                                                                                                                                                                                                                            |
| 37.5                  | 50          | Grey  | <b>AK2GD3750</b>                                                                                                                                                                                                                                                                                           |
|                       | 75          | Grey  | <b>AK2GD3775</b>                                                                                                                                                                                                                                                                                           |
| 50                    | 50          | Grey  | <b>AK2GD5050</b>                                                                                                                                                                                                                                                                                           |
|                       | 75          | Grey  | <b>AK2GD5075</b>                                                                                                                                                                                                                                                                                           |
| 60                    | 55          | Blue  | <b>AK2GA65</b>                                                                                                                                                                                                                                                                                             |
|                       | 90          | Blue  | <b>AK2GA69</b>                                                                                                                                                                                                                                                                                             |
|                       | 144         | Blue  | <b>AK2GA615</b>                                                                                                                                                                                                                                                                                            |
| 75                    | 50          | Grey  | <b>AK2GD7550</b>                                                                                                                                                                                                                                                                                           |
|                       | 75          | Grey  | <b>AK2GD7575</b>                                                                                                                                                                                                                                                                                           |
| 100                   | 75          | Grey  | <b>AK2GD10075</b>                                                                                                                                                                                                                                                                                          |
| 125                   | 75          | Grey  | <b>AK2GD12575</b>                                                                                                                                                                                                                                                                                          |

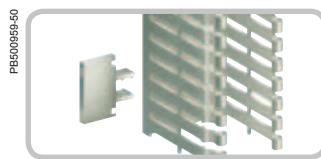
## Cable-duct accessories



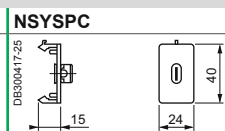
| Characteristics | Retention bars                                                                                                                                                                                           | Ø 22 mm cable-duct support                                                                               | Cable-duct support on technical upright                                                                                                                               |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <ul style="list-style-type: none"> <li>Fixed between 2 cable-duct slats by a hinged screw, preventing cable dropout.</li> <li>They can be cut to length to adapt to the width of the ducting.</li> </ul> | Installed on the door of the wall-mounting or floor-standing enclosure associated with Ø 22 mm elements. | Allows cable ducts to be installed on technical uprights, while increasing the usable surface of the equipment (up to 20 % according to the width of the cable duct). |
| Material        | Flameproof high-impact polystyrene                                                                                                                                                                       | Treated steel                                                                                            | Galvanised steel                                                                                                                                                      |
| Supply          | 50 units. Reference by unit. Order by multiples of 50 (50, 100, 150...)                                                                                                                                  | 10 units. Reference by unit. Order by multiples of 10 (10, 20, 30...)                                    | 10 units. Reference by unit. Order by multiples of 10 (10, 20, 30...)                                                                                                 |
| References      | <b>NSYCDRB</b>                                                                                                                                                                                           | <b>NSYSPCP</b>                                                                                           | <b>NSYCDSD</b>                                                                                                                                                        |
|                 |                                                                                                                                                                                                          |                                                                                                          |                                                                                                                                                                       |



| Covers for cable-duct                                                                                                                                                                                                                                                                                              |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Replacement covers.                                                                                                                                                                                                                                                                                                |  |
| Rigid PVC                                                                                                                                                                                                                                                                                                          |  |
| RAL 7030 grey or RAL 5000 blue                                                                                                                                                                                                                                                                                     |  |
| Compliance with standards VDE 0660/506 and DIN 43659                                                                                                                                                                                                                                                               |  |
| <ul style="list-style-type: none"> <li>■ Temperature resistance: -5 ... +60°C</li> <li>■ Behaviour in fire: material V0 according to UL 94</li> <li>■ Fire resistance: 960°C according to IEC 60695-2-1/1</li> <li>■ Maximum capacity of H07.V.K 1.5 mm<sup>2</sup> flexible wire (filling factor: 0.6)</li> </ul> |  |
| 8 unit. Supplied in lengths of 2 m                                                                                                                                                                                                                                                                                 |  |
| <b>AK2CD25</b>                                                                                                                                                                                                                                                                                                     |  |
| <b>AK2CA3</b>                                                                                                                                                                                                                                                                                                      |  |
| <b>AK2CD37</b>                                                                                                                                                                                                                                                                                                     |  |
| <b>AK2CD50</b>                                                                                                                                                                                                                                                                                                     |  |
| <b>AK2CA6</b>                                                                                                                                                                                                                                                                                                      |  |
| <b>AK2CD75</b>                                                                                                                                                                                                                                                                                                     |  |
| <b>AK2CD100</b>                                                                                                                                                                                                                                                                                                    |  |
| <b>AK2CD125</b>                                                                                                                                                                                                                                                                                                    |  |



| Plastic cable-duct support                                                                                                                                                                                                                                                                                                                                     | Label frame                                                                                                                                                           | Insulated-head screw                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>■ Clips onto the Telequick mounting plate or the 35 mm DIN rail.</li> <li>■ Includes a bolt for fixing the cable ducts through the 6.5 x 14 mm drill holes made in the back.</li> <li>■ The 2 functions, clipping and bolting, provide considerable time savings.</li> <li>■ Respects electrical insulation.</li> </ul> | In transparent plastic, clipping onto the slats of the cable ducts.                                                                                                   | <ul style="list-style-type: none"> <li>■ M5 x 10 mm slotted hexagonal head.</li> <li>■ Respects electrical insulation.</li> </ul> |
| Black polyamide. Behaviour in fire: V0 according to UL 94                                                                                                                                                                                                                                                                                                      | Polycarbonate                                                                                                                                                         | -                                                                                                                                 |
| 20 units. Reference by unit.<br>Order by multiples of 20 (20, 40, 60...)                                                                                                                                                                                                                                                                                       | <ul style="list-style-type: none"> <li>■ 50 units. Reference by unit.</li> <li>Order by multiples of 50 (50, 100, 150...)</li> <li>■ Paper labels supplied</li> </ul> | 100 units. Reference by unit.<br>Order by multiples of 100 (100, 200, 300...)                                                     |

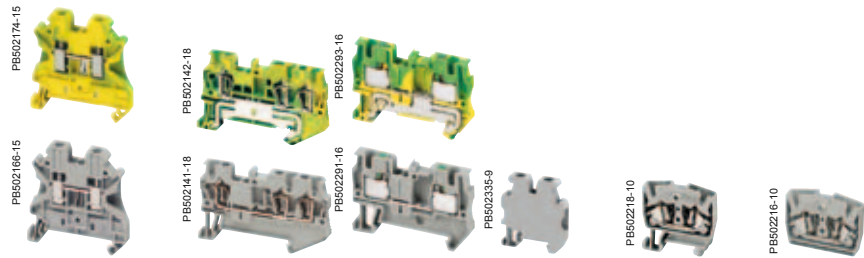


**NSYCDL**

**NSYSM10M5HP**

# Terminal blocks

## Selection guide



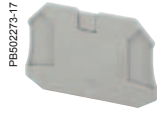
| Characteristics             |                                       | Connection technology |                   |              |              |                                    |                                     |                                   |
|-----------------------------|---------------------------------------|-----------------------|-------------------|--------------|--------------|------------------------------------|-------------------------------------|-----------------------------------|
| References                  |                                       |                       |                   |              |              |                                    |                                     |                                   |
| Type of terminal block      | Cross section area                    | Colour                | Screw tech        | Spring tech  | Push-in tech | Miniature screw for 15 mm DIN rail | Miniature spring for 15 mm DIN rail | Miniature spring for direct mount |
| Passthrough                 | 2.5 mm <sup>2</sup> (2 pts)           | Grey                  | NSYTRV22          | NSYTRR22     | NSYTRP22     | NSYTRV22M                          | NSYTRR22M                           | NSYTRR22MF                        |
|                             |                                       | Blue                  | NSYTRV22BL        | NSYTRR22BL   | NSYTRP22BL   | NSYTRV22MBL                        | NSYTRR22MBL                         | NSYTRR22MFBL                      |
|                             |                                       | Orange                | NSYTRV22AR        | NSYTRR22AR   | NSYTRP22AR   | -                                  | -                                   | NSYTRR22MFF*                      |
|                             | 2.5 mm <sup>2</sup> (3 pts)           | Grey                  | -                 | NSYTRR23     | NSYTRP23     | -                                  | -                                   | -                                 |
|                             |                                       | Blue                  | -                 | NSYTRR23BL   | NSYTRP23BL   | -                                  | -                                   | -                                 |
|                             |                                       | Orange                | -                 | NSYTRR23AR   | NSYTRP23AR   | -                                  | -                                   | -                                 |
|                             | 2.5 mm <sup>2</sup> (4 pts, 1 level)  | Grey                  | -                 | NSYTRR24     | NSYTRP24     | -                                  | NSYTRR24M                           | NSYTRR24M                         |
|                             |                                       | Blue                  | -                 | NSYTRR24BL   | NSYTRP24BL   | -                                  | NSYTRR24MBL                         | NSYTRR24MBL                       |
|                             | 2.5 mm <sup>2</sup> (4 pts, 2 levels) | Grey                  | NSYTRV24D         | NSYTRR24D    | NSYTRP24D    | -                                  | -                                   | -                                 |
|                             |                                       | Blue                  | NSYTRV24DBL       | NSYTRR24DBL  | NSYTRP24DBL  | -                                  | -                                   | -                                 |
|                             | 4 mm <sup>2</sup> (2 pts)             | Grey                  | NSYTRV42          | NSYTRR42     | NSYTRP42     | NSYTRV42M                          | -                                   | -                                 |
|                             |                                       | Blue                  | NSYTRV42BL        | NSYTRR42BL   | NSYTRP42BL   | NSYTRV42MBL                        | -                                   | -                                 |
|                             |                                       | Orange                | NSYTRV42AR        | NSYTRR42AR   | -            | -                                  | -                                   | -                                 |
|                             | 4 mm <sup>2</sup> (3 pts)             | Grey                  | NSYTRV43          | NSYTRR43     | NSYTRP43     | -                                  | -                                   | -                                 |
|                             |                                       | Blue                  | NSYTRV43BL        | NSYTRR43BL   | NSYTRP43BL   | -                                  | -                                   | -                                 |
|                             |                                       | Orange                | NSYTRV43AR        | -            | -            | -                                  | -                                   | -                                 |
|                             | 4 mm <sup>2</sup> (4 pts, 1 level)    | Grey                  | NSYTRV44          | NSYTRR44     | NSYTRP44     | -                                  | -                                   | -                                 |
|                             |                                       | Blue                  | NSYTRV44BL        | NSYTRR44BL   | NSYTRP44BL   | -                                  | -                                   | -                                 |
|                             | 4 mm <sup>2</sup> (4 pts, 2 levels)   | Grey                  | NSYTRV44D         | NSYTRR44D    | -            | -                                  | -                                   | -                                 |
|                             |                                       | Blue                  | NSYTRV44DBL       | NSYTRR44DBL  | -            | -                                  | -                                   | -                                 |
|                             | 6 mm <sup>2</sup> (2 pts)             | Grey                  | NSYTRV62          | NSYTRR62     | -            | -                                  | -                                   | -                                 |
|                             |                                       | Blue                  | NSYTRV62BL        | NSYTRR62BL   | -            | -                                  | -                                   | -                                 |
|                             | 10 mm <sup>2</sup> (2 pts)            | Grey                  | NSYTRV102         | NSYTRR102    | -            | -                                  | -                                   | -                                 |
| Blue                        |                                       | NSYTRV102BL           | NSYTRR102BL       | -            | -            | -                                  | -                                   |                                   |
| 16 mm <sup>2</sup> (2 pts)  | Grey                                  | NSYTRV162             | NSYTRR162         | -            | -            | -                                  | -                                   |                                   |
|                             | Blue                                  | NSYTRV162BL           | NSYTRR162BL       | -            | -            | -                                  | -                                   |                                   |
| 150 mm <sup>2</sup> (2 pts) | Grey                                  | NSYTRV1502BB          | -                 | -            | NSYTRV22MPE  | NSYTRR22MPE                        | -                                   |                                   |
| Earth protection            | 2.5 mm <sup>2</sup> (2 pts)           | Green                 | NSYTRV22PE        | NSYTRR22PE   | NSYTRP22PE   | -                                  | -                                   | -                                 |
|                             | 2.5 mm <sup>2</sup> (3 pts)           | Green                 | -                 | NSYTRR23PE   | NSYTRP23PE   | -                                  | -                                   | -                                 |
|                             | 2.5 mm <sup>2</sup> (4 pts)           | Green                 | -                 | NSYTRR24PE   | NSYTRP24PE   | -                                  | -                                   | -                                 |
|                             | 4 mm <sup>2</sup> (2 pts)             | Green                 | NSYTRV42PE        | NSYTRR42PE   | NSYTRP42PE   | NSYTRV42MPE                        | -                                   | -                                 |
|                             | 4 mm <sup>2</sup> (3 pts)             | Green                 | NSYTRV43PE        | NSYTRR43PE   | NSYTRP43PE   | -                                  | -                                   | -                                 |
|                             | 4 mm <sup>2</sup> (4 pts)             | Green                 | NSYTRV44PE        | NSYTRR44PE   | NSYTRP44PE   | -                                  | -                                   | -                                 |
|                             | 6 mm <sup>2</sup> (2 pts)             | Green                 | NSYTRV62PE        | NSYTRR62PE   | -            | -                                  | -                                   | -                                 |
|                             | 10 mm <sup>2</sup> (2 pts)            | Green                 | NSYTRV102PE       | NSYTRR102PE  | -            | -                                  | -                                   | -                                 |
| Knife disconnect            | 2.5 mm <sup>2</sup> (2 pts)           | Grey                  | NSYTRV42ST (1)    | NSYTRR22SC   | NSYTRP22SC   | -                                  | -                                   | -                                 |
|                             |                                       | Orange                | NSYTRV42STAR (1)  | NSYTRR22SCAR | -            | -                                  | -                                   | -                                 |
|                             |                                       | Grey                  | -                 | NSYTRR23SC   | NSYTRP23SC   | -                                  | -                                   | -                                 |
|                             | 2.5 mm <sup>2</sup> (3 pts)           | Orange                | -                 | NSYTRR23SCAR | -            | -                                  | -                                   | -                                 |
|                             |                                       | Grey                  | NSYTRV42SCD (1)   | NSYTRR24SCD  | -            | -                                  | -                                   | -                                 |
|                             |                                       | Black                 | NSYTRV42SF5       | -            | -            | -                                  | -                                   | -                                 |
| Fuse disconnect             | 5 x 20 mm fuse                        | Black (12 V)          | NSYTRV42SF5LD (2) | -            | -            | -                                  | -                                   |                                   |
|                             |                                       | Black (230 V)         | NSYTRV42SF5LA (2) | -            | -            | -                                  | -                                   |                                   |
|                             |                                       | Grey                  | NSYTRV42TB        | NSYTRR22TB   | NSYTRP42TB   | -                                  | -                                   | -                                 |
| Measuring transducer        | 6 mm <sup>2</sup> (2 pts) disconnect  | Grey/Orange           | NSYTRV62TTD       | -            | -            | -                                  | -                                   |                                   |
|                             |                                       | Grey                  | NSYTRV62TT        | -            | -            | -                                  | -                                   |                                   |
|                             |                                       | Green                 | NSYTRV62TTPE      | -            | -            | -                                  | -                                   |                                   |

\* Grey terminal with flange.  
 (1) 4 mm<sup>2</sup> terminal, with 2 test points.  
 (2) With light indicator.  
 (3) Fuse or component carrier not supplied.



# Terminal blocks

## Selection guide



| Accessories |                                   |                         |                          |                           |                |                              |
|-------------|-----------------------------------|-------------------------|--------------------------|---------------------------|----------------|------------------------------|
|             | Miniature spring for direct mount | End plate for screw TBs | End plate for spring TBs | End plate for push-in TBs | Plug-in bridge | Marking strips 10 characters |
|             | NSYTRR22MP                        | NSYTRAC22               | NSYTRACR22               | NSYTRACR22                | NSYTRAL22      | NSYTRAB510                   |
|             | NSYTRR22MPBL                      | NSYTRAC22BL             | NSYTRACR22BL             | NSYTRACR22BL              | NSYTRAL23      | NSYTRAB520                   |
|             | -                                 | -                       | -                        | -                         | NSYTRAL24      | NSYTRAB530                   |
|             | -                                 | -                       | NSYTRACR23               | NSYTRACR23                | NSYTRAL25      | NSYTRAB540                   |
|             | -                                 | -                       | NSYTRACR23BL             | NSYTRACR23BL              | NSYTRAL210     | NSYTRAB550                   |
|             | -                                 | -                       | -                        | -                         | NSYTRAL210BL   | ...                          |
|             | NSYTRR24MP                        | -                       | NSYTRACR24               | NSYTRACR24                | NSYTRAL210GR   | NSYTRAB590                   |
|             | NSYTRR24MPBL                      | -                       | NSYTRACR24BL             | NSYTRACR24BL              | NSYTRAL220     | NSYTRAB5100                  |
|             | -                                 | NSYTRACE24              | NSYTRACRE24              | NSYTRACRE24               |                | NSYTRAB51100                 |
|             | -                                 | -                       | -                        | -                         |                |                              |
|             | -                                 | NSYTRAC22               | NSYTRACR42               | NSYTRACR42                | NSYTRAL42      | NSYTRAB610                   |
|             | -                                 | NSYTRAC22BL             | -                        | -                         | NSYTRAL43      | NSYTRAB620                   |
|             | -                                 | -                       | -                        | -                         | NSYTRAL44      | NSYTRAB630                   |
|             | -                                 | NSYTRAC23               | NSYTRACR43               | NSYTRACP43                | NSYTRAL45      | NSYTRAB640                   |
|             | -                                 | -                       | -                        | -                         | NSYTRAL410     | NSYTRAB650                   |
|             | -                                 | -                       | -                        | -                         | NSYTRAL410BL   | ...                          |
|             | -                                 | NSYTRAC24               | NSYTRACR44               | NSYTRACP44                | NSYTRAL410GR   | NSYTRAB690                   |
|             | -                                 | -                       | -                        | -                         | NSYTRAL420     | NSYTRAB6100                  |
|             | -                                 | NSYTRACE24              | NSYTRACRE44              | -                         |                | NSYTRAB61100                 |
|             | -                                 | -                       | -                        | -                         |                |                              |
|             | -                                 | NSYTRAC22               | NSYTRACR62               | -                         | NSYTRAL62      | NSYTRAB810                   |
|             | -                                 | NSYTRAC22BL             | -                        | -                         | NSYTRAL610     | NSYTRAB820                   |
|             | -                                 | NSYTRAC22               | NSYTRACR102              | -                         | NSYTRAL102     | NSYTRAB1010                  |
|             | -                                 | NSYTRAC22BL             | -                        | -                         | -              | NSYTRAB1020                  |
|             | -                                 | NSYTRAC162              | NSYTRACR162              | -                         | NSYTRAL162     | NSYTRAB1010                  |
|             | -                                 | -                       | -                        | -                         | -              | NSYTRAB1020                  |
|             | -                                 | NSYTRAC952              | -                        | -                         | NSYTRAL1502    | -                            |
|             | -                                 | NSYTRAC22               | NSYTRACR22               | NSYTRACR22                |                |                              |
|             | -                                 | -                       | NSYTRACR23               | NSYTRACR23                |                |                              |
|             | -                                 | -                       | NSYTRACR24               | NSYTRACR24                |                |                              |
|             | -                                 | NSYTRAC22               | NSYTRACR42               | NSYTRACR42                |                |                              |
|             | -                                 | NSYTRAC23               | NSYTRACR43               | NSYTRACP43                |                |                              |
|             | -                                 | NSYTRAC24               | NSYTRACR44               | NSYTRACP44                |                |                              |
|             | -                                 | NSYTRAC22               | NSYTRACR62               | -                         |                |                              |
|             | -                                 | NSYTRAC22               | NSYTRACR102              | -                         |                |                              |
|             | -                                 | NSYTRAC162              | NSYTRACR162              | -                         |                |                              |
|             | -                                 | Included                | NSYTRACR23               | NSYTRACPK22               |                |                              |
|             | -                                 | Included                | -                        | -                         |                |                              |
|             | -                                 | -                       | NSYTRACR24               | NSYTRACPK23               |                |                              |
|             | -                                 | -                       | -                        | -                         |                |                              |
|             | -                                 | NSYTRACE24              | Included                 | -                         |                |                              |
|             | -                                 | Included                | -                        | -                         |                |                              |
|             | -                                 | Included                | -                        | -                         |                |                              |
|             | -                                 | Included                | -                        | -                         |                |                              |
|             | -                                 | Included                | NSYTRACR23               | NSYTRACR42                |                |                              |
|             | -                                 | NSYTRACT22              | -                        | -                         |                |                              |
|             | -                                 | NSYTRACT22              | -                        | -                         |                |                              |
|             | -                                 | NSYTRACT22              | -                        | -                         |                |                              |

| Cable ends compatible with all technologies |                      |
|---------------------------------------------|----------------------|
| Wires Cross section area                    | References           |
| 0.5 mm <sup>2</sup>                         | DZ5CE005<br>DZ5CA005 |
| 0.75 mm <sup>2</sup>                        | DZ5CE007<br>DZ5CA007 |
| 1 mm <sup>2</sup>                           | DZ5CE010<br>DZ5CA010 |
| 1.5 mm <sup>2</sup>                         | DZ5CE015<br>DZ5CA015 |
| 2.5 mm <sup>2</sup>                         | DZ5CE025<br>DZ5CA025 |
| 4 mm <sup>2</sup>                           | DZ5CE042<br>DZ5CA042 |
| 6 mm <sup>2</sup>                           | DZ5CE062<br>DZ5CA062 |
| 10 mm <sup>2</sup>                          | DZ5CA102             |
| 16 mm <sup>2</sup>                          | DZ5CA162             |
| 35 mm <sup>2</sup>                          | DZ5CA352             |
| 50 mm <sup>2</sup>                          | DZ5CA502             |

# Lighting and power sockets

## Power distribution rails



| Characteristics                                                        |            |            |       | UTE - 16 A / 230 V~ with pin-earthed outlets                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------------------------------|------------|------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                        |            |            |       | <ul style="list-style-type: none"> <li>■ Sockets set at 35° with child protection.</li> <li>■ Aluminium profile silver - height 1 U.</li> <li>■ Equipped with power cord (3G 1.5 mm<sup>2</sup>) type H05 VVF, equipped with a mould right angle plug with earthing contact system.</li> <li>■ Could be used in: France, Belgium, Poland, Monaco, Slovakia, Czech Republic.</li> </ul> |
| Material                                                               |            |            |       | Fibreglass polyamide plastic with fire resistance to 850°C                                                                                                                                                                                                                                                                                                                             |
| Standards                                                              |            |            |       | According to NFC61314, IEC 60884 and NBNC61112-1 standards                                                                                                                                                                                                                                                                                                                             |
| Number of sockets                                                      | Width (mm) | Depth (mm) | Type* | References                                                                                                                                                                                                                                                                                                                                                                             |
| <b>10" Adapted</b>                                                     |            |            |       |                                                                                                                                                                                                                                                                                                                                                                                        |
| 3 sockets outlets                                                      | 10"        | 44         | A     | <b>NSYAPU10F3</b>                                                                                                                                                                                                                                                                                                                                                                      |
| 3 sockets outlets with recessed green led switch                       | 10"        | 44         | B     | <b>NSYAPU10F3S</b>                                                                                                                                                                                                                                                                                                                                                                     |
| <b>19" Adapted</b>                                                     |            |            |       |                                                                                                                                                                                                                                                                                                                                                                                        |
| 9 sockets outlets                                                      | 19"        | 44         | A     | <b>NSYAPU19F9</b>                                                                                                                                                                                                                                                                                                                                                                      |
| 8 sockets outlets with recessed green led switch                       | 19"        | 44         | B     | <b>NSYAPU19F8S</b>                                                                                                                                                                                                                                                                                                                                                                     |
| 6 sockets outlets with overvoltage protection 16 A                     | 19"        | 76         | C     | <b>NSYAPU19F6CB</b>                                                                                                                                                                                                                                                                                                                                                                    |
| 7 sockets outlets with overvoltage protection 16 A + frequency filters | 19"        | 44         | D     | <b>NSYAPU19F7FA</b>                                                                                                                                                                                                                                                                                                                                                                    |
| 7 sockets outlets                                                      | 19"        | 44         | A     | -                                                                                                                                                                                                                                                                                                                                                                                      |
| 6 sockets outlets with recessed green led switch                       | 19"        | 44         | B     | -                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Vertical - 0U</b>                                                   |            |            |       |                                                                                                                                                                                                                                                                                                                                                                                        |
| 10 sockets outlets with recessed green led switch (D. 968 mm)          | 968        | 44         | B     | <b>NSYAPUF10S</b>                                                                                                                                                                                                                                                                                                                                                                      |
| 12 sockets outlets with overvoltage protection 16 A (D. 1232 mm)       | 1232       | 76         | C     | <b>NSYAPUF12CB</b>                                                                                                                                                                                                                                                                                                                                                                     |

\*A: Rail of sockets without protection.

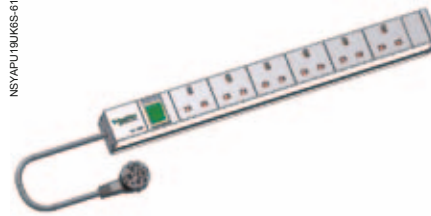
B: Rail of sockets with recessed green LED switch.

C: Rail of sockets with bi-polar magnetothermal circuit-breaker C16 type C60N 16 A curve C.

D: Suppression filter for interferences of up to 30 MHz, nominal frequency 400 Hz, attenuation 20 dB per decade.

# Lighting and power sockets

## Power distribution rails

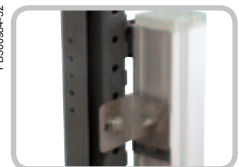


| VDE - 16 A / 230 V~ with side-earthed outlets                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | UK - 13 A / 240 V~ with BS standard outlets                                                                                                                                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>■ Sockets set at 35° with child protection.</li> <li>■ Aluminium profile silver - heigh 1 U.</li> <li>■ Equipped with power cord (3G 1.5 mm<sup>2</sup>) type H05 VVF, equipped with a mould right angle plug with earthing contact system.</li> <li>■ Could be used in: Germany, Austria, Netherlands, Italy (partial), Spain, Portugal, Sweden, Norway, Finland, Slovenia, Romania, Hungary, Afghanistan, Andorra, Vatican City, San Marino, Estonia, South Korea, Indonesia, Iceland, Chile, Bulgaria.</li> </ul> | <ul style="list-style-type: none"> <li>■ Sockets set at 90° with child protection.</li> <li>■ Aluminium profile silver - heigh 1 U.</li> <li>■ Equipped with power cord (3G 1.5 mm<sup>2</sup>) type H05 VVF, equipped with a mould right angle plug with earthing contact system.</li> </ul> |
| Fibreglass polyamide plastic with fire resistance to 850°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Fibreglass polyamide plastic with fire resistance to 850°C                                                                                                                                                                                                                                    |
| According to DIN49 440, VDE0620-1, IEC 60884 and UNE20315 standards                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -                                                                                                                                                                                                                                                                                             |
| NSYAPU10S3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                                                                                                                                                                                                                                                                                             |
| NSYAPU10S3S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -                                                                                                                                                                                                                                                                                             |
| NSYAPU19S9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                                                                                                                                                                                                                                                                                             |
| NSYAPU19S8S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -                                                                                                                                                                                                                                                                                             |
| NSYAPU19S6CB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                                                                                                                                                                                                                                                                                             |
| NSYAPU19S7FA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                                                                                                                                                                                                                                                                                             |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NSYAPU19UK7                                                                                                                                                                                                                                                                                   |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NSYAPU19UK6S                                                                                                                                                                                                                                                                                  |
| NSYAPUS10S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                                                                                                                                                                                                                                                                                             |
| NSYAPUS12CB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -                                                                                                                                                                                                                                                                                             |

PRE500985-35



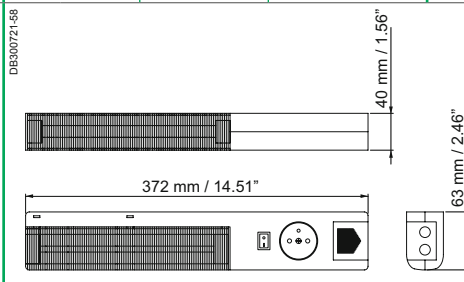
PRE500984-32



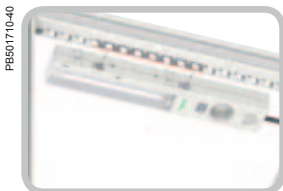
| Characteristics | Fixing brackets                                                     |                                   |
|-----------------|---------------------------------------------------------------------|-----------------------------------|
|                 | Fixing to the ends of the rail                                      | Fixing with an orientation of 90° |
|                 | For vertical assembly of distribution rails.                        |                                   |
| Material        | Treated steel                                                       |                                   |
| Thickness       | 10/10° mm                                                           |                                   |
| Supply          | Batch of 2 brackets, adaptable to all rails, delivered with fixings |                                   |
| References      | NSYAPUBV                                                            | NSYAPUB                           |



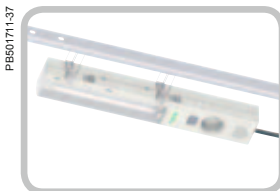
| Characteristics           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Multi-fixing lamp                                                                                                                                |                           |                   |                           |                                            |                         |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------|---------------------------|--------------------------------------------|-------------------------|
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | This lamp is designed to optimise the space and accessibility of the enclosure, as well as having four fixing options as standard in each model. |                           |                   |                           |                                            |                         |
| Colour                    | RAL 7035                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                  |                           |                   |                           |                                            |                         |
| Ingress protection rating | IP20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                  |                           |                   |                           |                                            |                         |
| Standards                 | <ul style="list-style-type: none"> <li>■ IEC 61000-6-4</li> <li>■ UL94: for plastic components</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                  |                           |                   |                           |                                            |                         |
| Other characteristics     | <ul style="list-style-type: none"> <li>■ Fluorescent base: 2G7</li> <li>■ Built-in switch</li> <li>■ Power consumption: 11 W</li> <li>■ Frequency: 50/60 Hz</li> <li>■ Luminosity: 900 Lm</li> <li>■ Light temperature: 4500 K</li> <li>■ Fluorescent tube service life: 8000 h</li> <li>■ Connection: max. 2.5-mm<sup>2</sup> terminals, with cable tie</li> <li>■ Casing: plastic, UL94-V0</li> <li>■ Degree of insulation:                             <ul style="list-style-type: none"> <li><input type="checkbox"/> class I - lamps with socket</li> <li><input type="checkbox"/> class II - lamps without socket</li> </ul> </li> <li>■ Compliant with RoHS and Reach</li> <li>■ Operating/storage temperature:                             <ul style="list-style-type: none"> <li><input type="checkbox"/> -16°C to +65°C (-3°F to +149°F)</li> <li><input type="checkbox"/> -40°C to +70°C (-40°F to +158°F)</li> </ul> </li> </ul> |                                                                                                                                                  |                           |                   |                           |                                            |                         |
| Supply                    | 1 lamp and fixing elements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                  |                           |                   |                           |                                            |                         |
|                           | With socket                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                  |                           | Without socket    |                           | With presence detection and without socket |                         |
| <b>Voltage (V)</b>        | <b>Socket</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>References</b>                                                                                                                                | <b>Certification</b>      | <b>References</b> | <b>Certification</b>      | <b>References</b>                          | <b>Certification</b>    |
| 230                       | Schuko<br>UTE<br>British                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>NSYLAMCS</b><br><br><b>NSYLAMCF</b><br><br><b>NSYLAMCB</b>                                                                                    | VDE<br>EN 60598-1: 2009   | <b>NSYLAMC</b>    | VDE<br>EN 60598-1: 2009   | <b>NSYLAMCD</b>                            | VDE<br>EN 60598-1: 2009 |
| 120                       | UL-CSA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>NSYLAMCU</b>                                                                                                                                  | UL 508<br>C22.2 No. 14-10 | <b>NSYLAMC120</b> | UL 508<br>C22.2 No. 14-10 | -                                          | -                       |



### ★ 4 fixing options



Fixing by sliding brackets.



Fixing to DIN rail.



Magnetic fixing.



Fixing by screws.



#### Rack for VDI

- 1 U, 19" rack. For lamp installation in VDI enclosures.
- **Supply:** supplied with fixing elements.

**Reference**  
**NSYLAM1U**

# Lighting and power sockets

## Lamps



PB501716-85

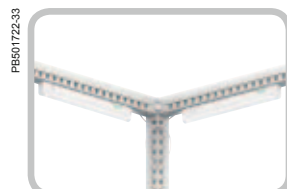


PB501723-13

| Characteristics           | Cost-effective lamp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |                |                   | Portable lamp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           | These lamps offer excellent value for money and can adapt to any installation.<br>The lamps can be interconnected and use a single power source: <ul style="list-style-type: none"> <li>■ 8 W lamps: max. 10 lamps interconnected.</li> <li>■ 14 W lamps: max. 5 lamps interconnected.</li> </ul>                                                                                                                                                                                                                                                                                                                                          |                  |                |                   | <ul style="list-style-type: none"> <li>■ Double function:                             <ul style="list-style-type: none"> <li>□ as an internal enclosure lamp,</li> <li>□ as a maintenance lamp.</li> </ul> </li> <li>■ Compact 4-pin fluorescent lamp.</li> </ul>                                                                                                                                                                                                                                                                                                                                             |
| Colour                    | RAL 9002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  |                |                   | RAL 7035                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Ingress protection rating | IP20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |                |                   | IP20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Standards                 | <ul style="list-style-type: none"> <li>■ IEC 60598-1</li> <li>■ UL94</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |                |                   | <ul style="list-style-type: none"> <li>■ IEC 60598-1</li> <li>■ UL94</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Other characteristics     | <ul style="list-style-type: none"> <li>■ Fluorescent: T5</li> <li>■ Built-in switch</li> <li>■ Light temperature: 4500 K</li> <li>■ Fluorescent tube service life: 8000 h</li> <li>■ Power cable: 3 m with connector and no plug at the end</li> <li>■ Interconnection cable: 1 m with connectors</li> <li>■ Casing: plastic, UL94-V0</li> <li>■ Degree of insulation: class II</li> <li>■ Compliant with RoHS and Reach</li> <li>■ Operating/storage temperature:                             <ul style="list-style-type: none"> <li>□ -16°C to +65°C (-3°F to +149°F)</li> <li>□ -40°C to +70°C (-40°F to +158°F)</li> </ul> </li> </ul> |                  |                |                   | <ul style="list-style-type: none"> <li>■ Compact fluorescent base: E27</li> <li>■ Built-in recessed switch</li> <li>■ Light temperature: 4500 K</li> <li>■ Fluorescent tube service life: 8000 h</li> <li>■ Power cable: 3 m with connector and male plug at the end</li> <li>■ Casing: plastic, UL94-V0</li> <li>■ Degree of insulation: class II</li> <li>■ Compliant with RoHS and Reach</li> <li>■ Operating/storage temperature:                             <ul style="list-style-type: none"> <li>□ -20°C to +50°C (-4°F to +122°F)</li> <li>□ -45°C to +70°C (-40°F to +158°F)</li> </ul> </li> </ul> |
| Supply                    | 1 lamp and fixing elements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |                |                   | 1 lamp, 3 m cable and fixing elements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Voltage (V)</b>        | <b>Power</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Frequency</b> | <b>Lumens*</b> | <b>References</b> | <b>Reference</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>(V)</b>                | <b>(W)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>(Hz)</b>      | <b>(lm)</b>    |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 230                       | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 50-60            | 400            | <b>NSYLAM8T5</b>  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                           | 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 50-60            | 650            | <b>NSYLAM14T5</b> | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                           | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -                | -              | -                 | <b>NSYLAMPOR</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |                |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

\* Approximate values.

### ★ 2 fixing options



PB501722-33

Fixing by adapter brackets.



PB501717-18

Magnetic fixing.

### ★ 2 fixing options



PB501724-34

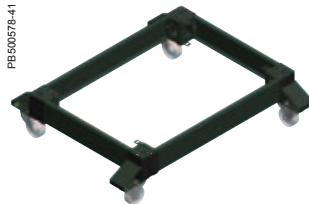
Fixing by adhesive or by screws.



PB501725-26

# Floor accessories

## Casters and feet for floor-standing enclosures



| Characteristics | Transport casters*                                                                                                                                                                                                                                                                                                                | Enclosure casters                                                                                                   |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
|                 | <ul style="list-style-type: none"> <li>Quick installation on plinths with heights of 100 and 200 mm, except the plinth for enclosure sets.</li> <li>They can be installed in front or side position.</li> <li>Clipping and fixing to the corner by screws.</li> <li>For use on flat surfaces.</li> <li>Height: 110 mm.</li> </ul> | <ul style="list-style-type: none"> <li>Double casters.</li> <li>Height: 92 mm.</li> <li>Diameter: 64 mm.</li> </ul> |
| Maximum load    | 50 kg per castor                                                                                                                                                                                                                                                                                                                  | 100 kg per castor                                                                                                   |
| Supply          | 4 transport casters (2 with a blocking system) and fixing elements                                                                                                                                                                                                                                                                | 4 casters and fixing elements                                                                                       |
| References      |                                                                                                                                                                                                                                                                                                                                   |                                                                                                                     |
|                 | <b>NSYSTW</b><br>                                                                                                                                                                                                                                                                                                                 | <b>NSYSW</b>                                                                                                        |

\* Only for Spacial SM, SF and SD.



| Characteristics | Levelling feet      |                | Hygienic stainless-steel feet                                                |
|-----------------|---------------------|----------------|------------------------------------------------------------------------------|
|                 | Fixed               | Adjustable     |                                                                              |
|                 | Height: 42 mm.      | Height: 22 mm. | Hygienic feet specific for harsh environments.<br>Adjustable: 140 to 200 mm. |
| Material        | Steel               | -              | 316L stainless steel                                                         |
| Maximum load    | 100 kg per foot     |                | 100 kg per foot                                                              |
| Supply          | Set of 4 floor feet |                | Set of 4 hygienic feet                                                       |
| References      |                     |                |                                                                              |
|                 | <b>NSYSPSJ</b>      | <b>NSYSPRJ</b> | <b>NSYPHX200</b>                                                             |

# Door accessories

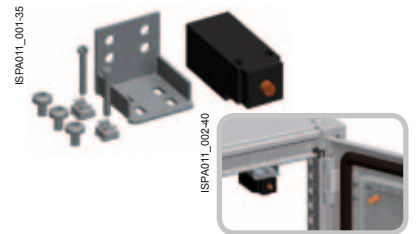
## Switches and pockets

### Switches

S3D S3X

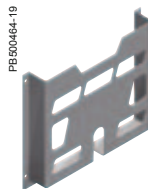


SM SF SFX



| Characteristics | Door switch for wall-mounting enclosures                                                                                                                                                                                                                                                                                                            | Door switch for floor-standing enclosures                                                                                                                                                                                   |            |            |          |                 |    |                  |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|----------|-----------------|----|------------------|
|                 | <ul style="list-style-type: none"> <li>Switch/commutator unit equipped with support and fixings for direct fixing to the enclosure.</li> <li>Can be used to control lighting, air-conditioning units, etc.</li> <li>It is not compatible with installing the 19" swing rack and the internal door.</li> <li>NC + NO contact, 10 A/500 V.</li> </ul> | <ul style="list-style-type: none"> <li>The switch is fixed to the structure of the enclosure.</li> <li>Drilled M20 cable entry for cable gland.</li> <li>NC + NO contact, 10 A/500 V.</li> </ul>                            |            |            |          |                 |    |                  |
| Supply          | 1 door switch and fixing elements                                                                                                                                                                                                                                                                                                                   | 1 door switch and fixing elements                                                                                                                                                                                           |            |            |          |                 |    |                  |
|                 | <b>Reference</b><br><b>NSYINLCRN</b>                                                                                                                                                                                                                                                                                                                | <table border="1"> <thead> <tr> <th>For ranges</th> <th>References</th> </tr> </thead> <tbody> <tr> <td>SF &amp; SFX</td> <td><b>NSYDCM20</b></td> </tr> <tr> <td>SM</td> <td><b>NSYMDCM20</b></td> </tr> </tbody> </table> | For ranges | References | SF & SFX | <b>NSYDCM20</b> | SM | <b>NSYMDCM20</b> |
| For ranges      | References                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                             |            |            |          |                 |    |                  |
| SF & SFX        | <b>NSYDCM20</b>                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                             |            |            |          |                 |    |                  |
| SM              | <b>NSYMDCM20</b>                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                             |            |            |          |                 |    |                  |

### Pockets



SM SF SMX SFX

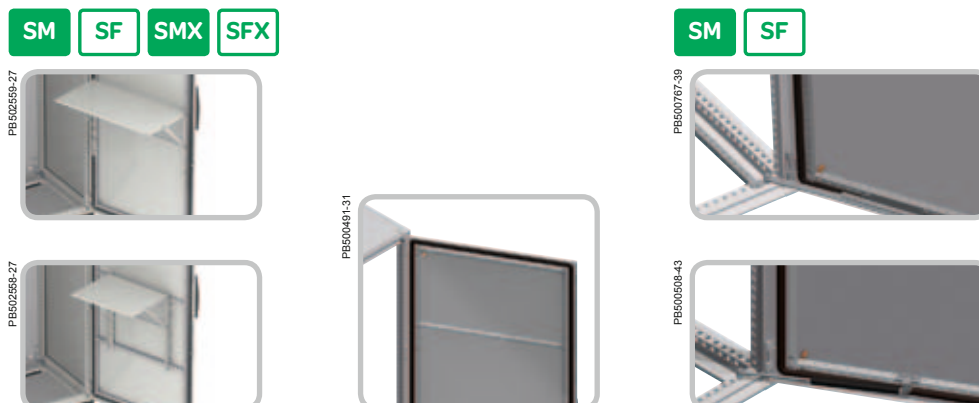


| Characteristics        | Plastic document pocket           | Metal document pocket                                                               |          |                     |                 |
|------------------------|-----------------------------------|-------------------------------------------------------------------------------------|----------|---------------------|-----------------|
|                        | Fixing by adhesive tape.          | Direct fixing on the door reinforcement frame. Height adjustable in steps of 25 mm. |          |                     |                 |
| Material               | Polystyrene (PS)                  | Steel                                                                               |          |                     |                 |
| Finish                 | -                                 | Painted with polyester-epoxy resin                                                  |          |                     |                 |
| Colour                 | RAL 7035 grey (NSYDPA4: RAL 9001) | RAL 7035 grey                                                                       |          |                     |                 |
| Maximum load           | -                                 | -                                                                                   |          |                     |                 |
| Supply                 | 1 plastic document pocket         | 1 metal document pocket and fixing elements                                         |          |                     |                 |
| <b>Dimensions (mm)</b> | <b>References</b>                 |                                                                                     |          |                     |                 |
| <b>Doc. format</b>     | <b>A</b>                          | <b>B</b>                                                                            | <b>C</b> |                     |                 |
| A5                     | 174                               | 188                                                                                 | 22       | <b>NSYDPA5</b>      | -               |
| A4                     | 230                               | 247                                                                                 | 23       | <b>NSYDPA4</b>      | -               |
| A4                     | 234                               | 278                                                                                 | 40       | <b>NSYDPA44 (1)</b> | -               |
| A3                     | 285                               | 476                                                                                 | 35       | <b>NSYDPA3</b>      | -               |
| <b>Width (D)</b>       |                                   |                                                                                     |          |                     |                 |
| 600                    | -                                 | -                                                                                   | -        | -                   | <b>NSYSDP6M</b> |
| 800                    | -                                 | -                                                                                   | -        | -                   | <b>NSYSDP8M</b> |
|                        |                                   |                                                                                     |          |                     |                 |

(1) Not compatible with 19" chassis or modular distribution.

# Door accessories

## Door accessories for floor-standing enclosures



| Characteristics        | Folding support tray                                                                                                                                                                                                                                                                                                                                                                                                                                | Door cross rails                                                                                                                                                                        | Floor-standing door retainer                                                                                                                                                                                                                                                          |              |                   |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------|
|                        | <ul style="list-style-type: none"> <li>Adjustable horizontal support for laptop computers, documents or any other elements.</li> <li>Mounting on the door reinforcement frame.</li> <li>It can also be mounted on door cross-rails.</li> <li>Height adjustable in steps of 25 mm.</li> <li>In 1000-mm-wide enclosures, any size can be mounted using door cross-rail ref. <b>NSYSDCR10</b>.</li> <li>4 positions: 45°, 60°, 75° and 90°.</li> </ul> | <ul style="list-style-type: none"> <li>Direct mounting cross rails on the profiles of the reinforcement frame of the door.</li> <li>Adjustable height with a pitch of 25 mm.</li> </ul> | <ul style="list-style-type: none"> <li>Door blocker at the opening limit.</li> <li>It is fixed directly to the front frame of the enclosure and to the reinforcement frame of the door.</li> <li>It can be installed on doors that open both to the right and to the left.</li> </ul> |              |                   |
| Material               | Steel                                                                                                                                                                                                                                                                                                                                                                                                                                               | Galvanised steel                                                                                                                                                                        | -                                                                                                                                                                                                                                                                                     |              |                   |
| Finish                 | Painted with epoxy-polyester resin                                                                                                                                                                                                                                                                                                                                                                                                                  | -                                                                                                                                                                                       | -                                                                                                                                                                                                                                                                                     |              |                   |
| Colour                 | RAL 7035 grey                                                                                                                                                                                                                                                                                                                                                                                                                                       | -                                                                                                                                                                                       | -                                                                                                                                                                                                                                                                                     |              |                   |
| Thickness              | 15/10° mm                                                                                                                                                                                                                                                                                                                                                                                                                                           | 20/10° mm                                                                                                                                                                               | -                                                                                                                                                                                                                                                                                     |              |                   |
| Maximum load           | 30 kg                                                                                                                                                                                                                                                                                                                                                                                                                                               | -                                                                                                                                                                                       | -                                                                                                                                                                                                                                                                                     |              |                   |
| Supply                 | 1 folding support tray and fixing elements                                                                                                                                                                                                                                                                                                                                                                                                          | 2 cross rails and bag of fixings                                                                                                                                                        | Door stop and fixing elements                                                                                                                                                                                                                                                         |              |                   |
| <b>Dimensions (mm)</b> | <b>References</b>                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                       |              |                   |
| <b>Width (B)</b>       |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                       |              |                   |
| 400                    | -                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>NSYSDCR4</b>                                                                                                                                                                         | -                                                                                                                                                                                                                                                                                     |              |                   |
| 500                    | <b>NSYSDT5</b>                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>NSYSDCR5</b>                                                                                                                                                                         | -                                                                                                                                                                                                                                                                                     |              |                   |
| 600                    | <b>NSYSDT6</b>                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>NSYSDCR6</b>                                                                                                                                                                         | -                                                                                                                                                                                                                                                                                     |              |                   |
| 800                    | <b>NSYSDT8</b>                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>NSYSDCR8</b>                                                                                                                                                                         | -                                                                                                                                                                                                                                                                                     |              |                   |
| 1000                   | -                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>NSYSDCR10</b>                                                                                                                                                                        | -                                                                                                                                                                                                                                                                                     |              |                   |
| <b>Door stop model</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                         | <b>For enclosures</b>                                                                                                                                                                                                                                                                 | <b>Limit</b> | <b>References</b> |
| Mechanical             | -                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                                                                                                                                                                                       | Spacial SF                                                                                                                                                                                                                                                                            | 90° and 120° | <b>NSYSFMDR</b>   |
|                        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                                                                                                                                                                                       | Spacial SM                                                                                                                                                                                                                                                                            | 90°          | <b>NSYSMDR</b>    |
| Pneumatic              | -                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                                                                                                                                                                                       | Spacial SF                                                                                                                                                                                                                                                                            | 120°         | <b>NSYSFNDR</b>   |
|                        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                                                                                                                                                                                       | Spacial SM                                                                                                                                                                                                                                                                            | 90° and 120° | <b>NSYSMNDR</b>   |
|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                       |              |                   |



# Door accessories

## Door accessories for wall-mounting enclosures



| Characteristics | Wall-mounting door retainer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                          |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <p><b>Steel</b></p> <p>To block the door in the open position.</p> <ul style="list-style-type: none"> <li>■ It is installed on enclosures with heights from 400 mm and widths from 300 mm.</li> <li>■ Earthing connection of the enclosure by means of the reinforcement rail.</li> <li>■ Earthing accessories supplied with the enclosure (earth-connection wire to be ordered separately), see page 300.</li> <li>■ Warning: cannot be installed on 19" mounting plates or on enclosures equipped with internal door.</li> </ul> | <p><b>Polyamide</b></p> <p>To block the door in the open position.</p> <ul style="list-style-type: none"> <li>■ It is installed on the perforated rails of the enclosure doors at the required height.</li> <li>■ It is only installed on enclosures with a height of less than 400 mm (no perforated rails).</li> </ul> |
| Material        | Steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Polyamide 6 (PA6)                                                                                                                                                                                                                                                                                                        |
| References      | <b>NSYAEDRSCST</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>NSYAEDRS3DPA6</b>                                                                                                                                                                                                                                                                                                     |

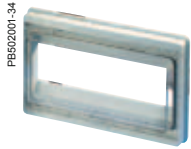
# Door accessories

## Windows



| Characteristics           | Window for modular equipment                                                                                                                                                     |          |     |     |           |            | Plastic window                                                                                                                                                 |             |           |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----|-----|-----------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------|
|                           | They provide viewing and access to the inside of the enclosure while keeping the IP65 protection degree.                                                                         |          |     |     |           |            | Plastic window with hinged cover for installation on front panel.<br>■ External dimensions: 213 x 133 mm.<br>■ Internal dimensions of the window: 180 x 78 mm. |             |           |
| Material                  | Transparent polycarbonate                                                                                                                                                        |          |     |     |           |            | ■ Cover: polycarbonate<br>■ Body: PVC                                                                                                                          |             |           |
| Ingress protection rating | IP65                                                                                                                                                                             |          |     |     |           |            | IP55                                                                                                                                                           |             |           |
| Supply                    | 1 window                                                                                                                                                                         |          |     |     |           |            | 1 plastic window delivered with a drilling template                                                                                                            |             |           |
|                           | N.° of modules                                                                                                                                                                   | Fig. n.° | A   | B   | C         |            | References                                                                                                                                                     |             | Reference |
|                           |                                                                                                                                                                                  |          |     |     | Low cover | High cover | Low cover                                                                                                                                                      | High cover  |           |
|                           | 2                                                                                                                                                                                | 1        | 78  | 60  | 15        | 25         | NSYVA272M                                                                                                                                                      | NSYVA272MA  | NSYMW10M  |
|                           | 4                                                                                                                                                                                | 1        | 78  | 95  | 15        | 25         | NSYVA274M                                                                                                                                                      | NSYVA274MA  |           |
|                           | 6                                                                                                                                                                                | 1        | 78  | 130 | 15        | 25         | NSYVA276M                                                                                                                                                      | NSYVA276MA  |           |
|                           | 8                                                                                                                                                                                | 1        | 78  | 165 | 15        | 25         | NSYVA278M                                                                                                                                                      | NSYVA278MA  |           |
|                           | 10                                                                                                                                                                               | 1        | 78  | 200 | 15        | 25         | NSYVA2710M                                                                                                                                                     | NSYVA2710MA |           |
|                           | 12                                                                                                                                                                               | 1        | 78  | 235 | 15        | 25         | NSYVA2712M                                                                                                                                                     | NSYVA2712MA |           |
|                           | 16                                                                                                                                                                               | 2        | 195 | 165 | 13        | -          | NSYVA2716M                                                                                                                                                     | -           |           |
|                           | 24*                                                                                                                                                                              | 2        | 196 | 235 | 13        | -          | NSYVA2724M                                                                                                                                                     | -           |           |
|                           | <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Fig. 1</p> </div> <div style="text-align: center;"> <p>Fig. 2</p> </div> </div> |          |     |     |           |            |                                                                                                                                                                |             |           |

\* In rows of 12 modules mounted vertically.  
 \*\* In rows of 17 modules mounted horizontally.



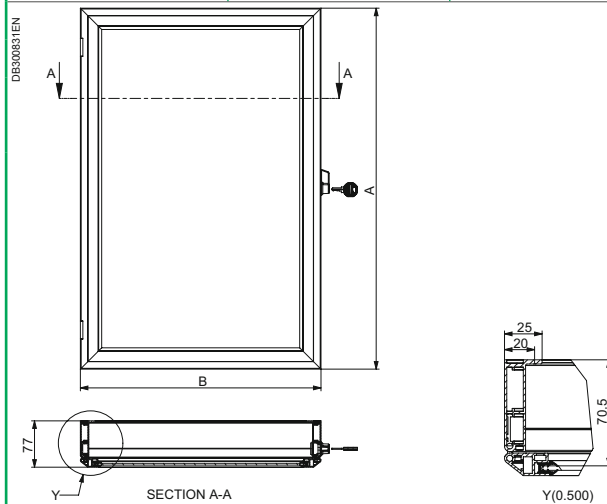
| Plastic window for modular equipment                                                                                          |                 | Control window                                                                                                                                                                                                                                                                                                                                                  |         |
|-------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| Frame with transparent hinged cover for mounting modular switchgear on the front panel.<br>Opening: 46 x 180 mm (10 modules). |                 | <ul style="list-style-type: none"> <li>■ To prevent accidental handling of the control units by any unauthorised person.</li> <li>■ Allows all the displayed information to be read without opening the door.</li> <li>■ Equipped with hinges for opening (180°).</li> <li>■ Closure by a n° 2233X lock.</li> <li>■ Indoor and outdoor installation.</li> </ul> |         |
| -                                                                                                                             |                 | Aluminium frame and 3-mm acrylic window                                                                                                                                                                                                                                                                                                                         |         |
| IP55                                                                                                                          |                 | IP55                                                                                                                                                                                                                                                                                                                                                            |         |
| 1 modular front panel                                                                                                         |                 | 1 window, fixings and instruction sheet                                                                                                                                                                                                                                                                                                                         |         |
| Reference                                                                                                                     | Dimensions (mm) | References                                                                                                                                                                                                                                                                                                                                                      |         |
| NSYMW10MK                                                                                                                     | <b>A</b>        | <b>B</b>                                                                                                                                                                                                                                                                                                                                                        |         |
|                                                                                                                               | 300             | 300                                                                                                                                                                                                                                                                                                                                                             | NSYCW33 |
|                                                                                                                               | 400             | 400                                                                                                                                                                                                                                                                                                                                                             | NSYCW44 |
|                                                                                                                               |                 | 500                                                                                                                                                                                                                                                                                                                                                             | NSYCW45 |
|                                                                                                                               |                 | 600                                                                                                                                                                                                                                                                                                                                                             | NSYCW46 |
|                                                                                                                               | 500             | 400                                                                                                                                                                                                                                                                                                                                                             | NSYCW54 |
|                                                                                                                               |                 | 500                                                                                                                                                                                                                                                                                                                                                             | NSYCW55 |
|                                                                                                                               |                 | 600                                                                                                                                                                                                                                                                                                                                                             | NSYCW56 |
|                                                                                                                               | 600             | 500                                                                                                                                                                                                                                                                                                                                                             | NSYCW65 |
|                                                                                                                               |                 | 600                                                                                                                                                                                                                                                                                                                                                             | NSYCW66 |
|                                                                                                                               | 800             | 600                                                                                                                                                                                                                                                                                                                                                             | NSYCW86 |



**Kit for fixing the switchgear**

- The unit is delivered assembled.
- **Supply:** 1 DIN rail and two supports.

**Reference**  
NSYMW10MR



*Nota: there are 2 fixing screws for the reference NSYCW86 with 1 without locking*

**★ Mounting example**

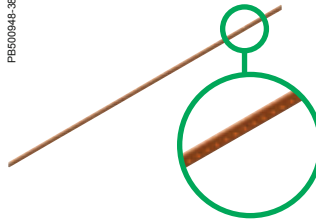


NSYMW10MK + NSYMW10MR.

# Other accessories

## Earthing accessories

PB500948-38



SM SF SD SMX SFX SDX

PB500999-18



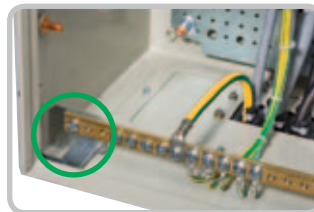
| Characteristics | Earthing strip                                                                                                                                             | Central earthing point                                                                                                                                                                              |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <ul style="list-style-type: none"> <li>■ Perforated brass bar, 15 x 3 mm.</li> <li>■ 1 m long.</li> <li>■ 87 connection points, M5 drill holes.</li> </ul> | <ul style="list-style-type: none"> <li>■ Connects earthing braids and cables to the structure of the enclosure.</li> <li>■ The earth connection is made by means of the M8 x 18 mm bolt.</li> </ul> |
| Fixing          | -                                                                                                                                                          | Fixing to the structure by means of self-tapping screws                                                                                                                                             |
| Supply          | 1 earthing strip and fixing elements                                                                                                                       | 1 central earthing point, elements for fixing to the structure, and fixings for fixing to the bolt                                                                                                  |

References

NSYECB1M153

S3D S3X

PB501000-42



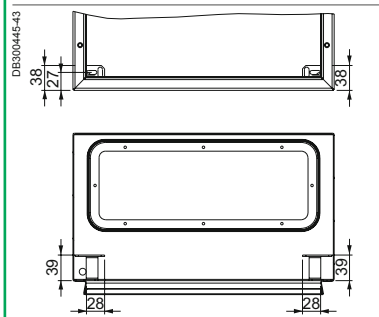
**Fixing lugs for the earthing strip**

- They allow the mounting of an earth-collector rail or a DIN rail at the top and bottom of an enclosure.
- Mounting incompatible with certain accessories. Please consult us.
- **Fixing:** on holes made in the gutter of the enclosure.
- **Supply:** 2 lugs and fixings.

Reference

NSYEDCOS

DB300445-43



NSYCEP

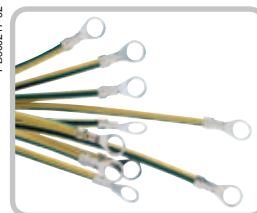
# Other accessories

## Earthing and paint accessories

PB500084-42



PB500217-32



| Characteristics |            |                            |                 | Earth braids                                                                                                      | Earth cables                                                                                                    |
|-----------------|------------|----------------------------|-----------------|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
|                 |            |                            |                 | Guarantee the earth connection for high frequencies, avoiding the disturbing electric currents that are produced. | Make it easier to install a safe earth connection, with a perfect contact, with optimised length.               |
| Material        |            |                            |                 | Tinned copper                                                                                                     | Brass and copper alloy terminal, green and yellow PVC insulating sheath                                         |
| Supply          |            |                            |                 | 10 earth braids (nuts and washers not included). Reference by unit.<br>Order by multiples of 10 (10, 20, 30...)   | 10 earth cables (nuts and washers not included). Reference by unit.<br>Order by multiples of 10 (10, 20, 30...) |
| Length (mm)     | Width (mm) | Section (mm <sup>2</sup> ) | Terminal Ø (mm) | References                                                                                                        |                                                                                                                 |
| 130             | -          | 6                          | 6.4             | -                                                                                                                 | NSYEL136D6                                                                                                      |
| 150             | 12         | 6                          | 6.5             | NSYEB156D6                                                                                                        | -                                                                                                               |
|                 | 17         | 10                         | 6.5             | NSYEB1510D6                                                                                                       | -                                                                                                               |
| 155             | 17         | 16                         | 8.5             | NSYEB1516D8                                                                                                       | -                                                                                                               |
| 160             | -          | 6                          | 6.4             | -                                                                                                                 | NSYEL166D6                                                                                                      |
|                 | -          | 6                          | 8.3             | -                                                                                                                 | NSYEL166D8                                                                                                      |
| 170             | -          | 10                         | 6.4             | -                                                                                                                 | NSYEL1710D6                                                                                                     |
| 200             | 27         | 25                         | 8.5             | NSYEB2025D8                                                                                                       | -                                                                                                               |
|                 | 33         | 50                         | 8.5             | NSYEB2050D8                                                                                                       | -                                                                                                               |
| 220             | -          | 6                          | 6.4             | -                                                                                                                 | NSYEL226D6                                                                                                      |
|                 | -          | 25                         | 8.3             | -                                                                                                                 | NSYEL2225D8                                                                                                     |
| 250             | -          | 10                         | 6.4             | -                                                                                                                 | NSYEL2510D6                                                                                                     |
| 350             | -          | 25                         | 8.3             | -                                                                                                                 | NSYEL3525D8                                                                                                     |

PB500221-19



PB501003-37



| Characteristics | Aerosol paint can                                                                                | Paint touch-up                                                                                                       |
|-----------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
|                 | <ul style="list-style-type: none"> <li>■ Air-drying paint.</li> <li>■ Content: 150 g.</li> </ul> | <ul style="list-style-type: none"> <li>■ Paint for touching up with a brush.</li> <li>■ Air-drying paint.</li> </ul> |
| Colour          | References                                                                                       |                                                                                                                      |
| RAL 7032        | NSYBPA7032                                                                                       | NSYTUP7032                                                                                                           |
| RAL 7035        | NSYBPA7035                                                                                       | NSYTUP7035                                                                                                           |

# Applicative and customised solutions

# Applicative and customised solutions

## Contents

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The Prisma functional system can be used for all types of low-voltage distribution switchboards up to 4000 A, in commercial and industrial environments.



### Switchboard design is very simple



- 1 A metal structure**  
made up of one or more frameworks combined side-by-side or back-to-back.
- 2 A distribution system**  
positioned in a lateral compartment or at the rear of the cubicle are used to distribute electricity throughout the switchboard.
- 3 Complete functional units**

  - dedicated mounting plate for device installation
  - front plate to block direct access to live parts
  - devices for on-site connections.

The functional units are modular and are arranged rationally, one on top of another, within the enclosure. The components of the Spacial SFP and those of the functional units in particular have been designed and tested taking into account device characteristics. This design approach ensures a high degree of reliability in system operation and optimum safety for personnel.

### Advantages of Prisma system switchboards



- 1 A safe electrical installation**  
The total compatibility of Schneider Electric devices with the Prisma system is a key advantage in ensuring a high level of installation dependability.
- 2 An upgradeable electrical installation**  
Thanks to modular design, Spacial SFP switchboards can be modified easily to integrate new functional units as needed.
- 3 Total safety for personnel**  
Work in a switchboard must be carried out by authorised persons in compliance with all applicable safety regulations. To increase the safety of personnel, devices are installed behind protective front plates; only the operating handles are accessible. Additional internal protection (partitions, barriers) is available to create form 2, form 3 and form 4 separation to protect against direct contacts with live parts. Terminal shields are mandatory for installation of Compact NSX and INS/INV devices in Prisma system enclosures.



Use of the components in the Prisma functional system ensures the creation of switchboards complying with standards IEC 50298, IEC 61439-1&2.



### Electrical characteristics



- Rated insulation level of main busbars: 1000 V.
- Rated operational current  $I_e$ : 4000 A.
- Rated peak withstand current  $I_{pk}$ : 220 kA.
- Rated short-time withstand current  $I_{cw}$ : 100 kA rms/1 second.
- Frequency: 50/60 Hz.

### Mechanical characteristics



- Steel sheet metal.
- Textured finish with epoxy-polyester powder.
- Grey colour RAL 7035.
- Can be dismantled.
- Can be combined side-by-side and back-to-back.
- Degree of protection: IP55 according to IEC 60529.
- Degree of protection against mechanical impacts: IK10 (IK08 for the glazed-door).
- Framework dimensions:
  - two widths:
    - W 300: cable compartment
    - W 700: device compartment or cable compartment
  - three depths:
    - D500 up to 1600 A with incoming Masterpact NT only
    - D600 up to 1600 A with incoming Masterpact NT only. Possibility to connect with cables from rear
    - D800 up to 4000 A with incoming Masterpact NT or NW. Possibility to connect to cables from rear or to connect to rear vertical busbars
  - height: 2000 mm
- Enclosures for indoor installation.



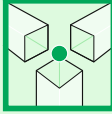
Electrical switchboards built using the Prisma functional system and Schneider Electric recommendations fully comply with international standard IEC 61439-1&2.

# Prisma functional system

## Introduction

### The forms according to IEC 61439-1&2

Decisions concerning the Form of separation and the degree of protection are the subject of an agreement between the manufacturer and the user.



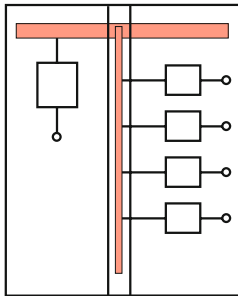
In most installations, Spacial SFP cubicles do not require partitioning. In this case, the switchboard is a Form 1. Safety being one of its foremost goals, Schneider Electric offers options and features that go well beyond the recommendations of the standard.

The protection of life and property is a standard feature due to:

- front plates that require a tool to be removed
- keylocks on doors, some of which provide access to live parts
- the systematic installation of terminal shields on Compact NSX circuit breakers and Compact INS and INV switch-disconnectors
- covering of the upstream and downstream terminals on the incoming device so that operators are perfectly safe at all points in the switchboard when the incoming device is off (open).

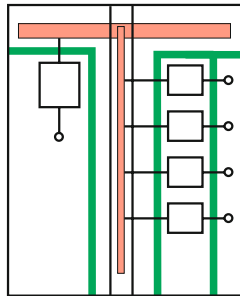
What is more, Spacial SFP offers different levels of partitioning to create separations inside the cubicles and thus create Form 2b, 3b, 4a and 4b electrical switchboards. Electrical switchboards must meet the degree of protection IP2X to comply with standard IEC 61439-1&2.

**Form 1**



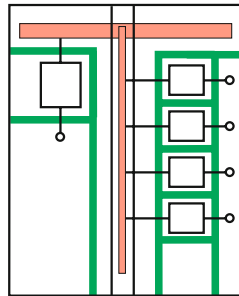
In most installations, Spacial SFP cubicles do not require partitioning. In this case, the switchboard is a Form 1. Safety being one of its foremost goals, Schneider Electric offers options and features that go well beyond the recommendations of the standard.

**Form 2b**



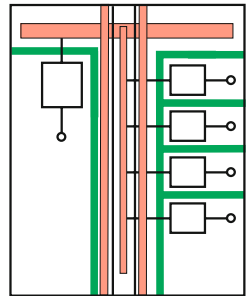
- Terminals for external conductors separated from busbars.
- The functional units and the terminals are separated from the busbars.

**Form 3b**



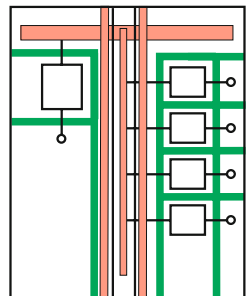
- Terminals for external conductors separated from busbars.
- The functional units are separated from each other and from the busbars.
- The terminals are separated from the busbars, but not from each other.

**Form 4a**



Terminals for external conductors in the same compartment as the associated functional unit.

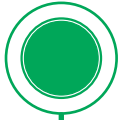
**Form 4b**



Terminals for external conductors not in the same compartment as the associated functional unit, but in individual, separate, enclosed protected spaces or compartments.

### Upgradeable Prisma functional units

Functional units include switchgear mounting plates, front plates, connection supports, barriers...



Masterpact  
NW08 to NW40



Masterpact  
NT06 to NT16



Compact NSX  
up to 630 A



Compact NS  
from 630b to 1600 A



Compact NS  
up to 3200 A



Easypact  
from 100 to 630 A



Compact INS-INV250-630 A



Compact INS-INV630-2500 A



Source changeover systems  
Compact/Masterpact



Source changeover systems  
Compact INS



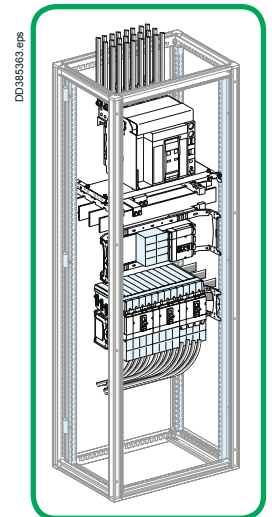
Fupact  
from 32 to 1250 A



Multi 9 - Acti 9



Accessories

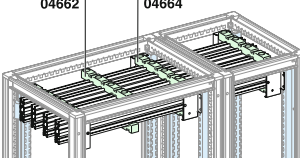
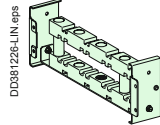
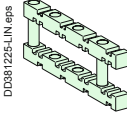


For more informations, see the catalogue Prisma P DESW016EN.

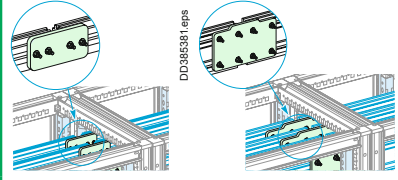
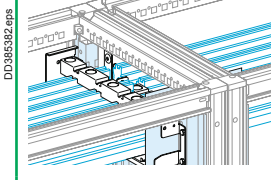
### Linergy LGYE - Horizontal profiles up to 4000 A

| Installation in Spacial SFP<br>Linergy profile, 2000 mm length                 | Up to 1600 A      |                  |              |              |              | Up to 4000 A |              |              |              |
|--------------------------------------------------------------------------------|-------------------|------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                                                                                | 630 A             | 800 A            | 1000 A       | 1250 A       | 1600 A       | 2000 A       | 2500 A       | 3200 A       | 4000 A       |
| Permissible current for an ambient temperature of 35 °C around the switchboard | 630 A<br>IP <= 31 | 800 A<br>IP > 31 | 1000 A       | 1250 A       | 1650 A       | 2000 A       | 2440 A       | 3200 A       | 3620         |
| Number of profiles per phase                                                   | 1                 |                  |              |              |              | 3            |              |              |              |
| Total number of vertical modules (50 mm)                                       | 3                 |                  |              |              |              | 4            |              |              |              |
| <b>Cat. no.</b>                                                                | <b>04560</b>      | <b>04561</b>     | <b>04562</b> | <b>04563</b> | <b>04564</b> | <b>04565</b> | <b>04566</b> | <b>04567</b> | <b>04568</b> |

### Busbar supports

|                                                                                   |                              |                                                                                                                                                                              |       |                                                                                                                        |                                               |                                                      |
|-----------------------------------------------------------------------------------|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------------------|
|  |                              |  <p>Fixed support<br/><b>04664</b></p>                                                      |       |  <p>Free support<br/><b>04662</b></p> |                                               |                                                      |
| Characteristics                                                                   |                              | 2 fixed supports for Spacial SFP 700 wide frame are compulsory.<br>1 fixed support for 300/400 wide frame are compulsory.<br>If more supports are needed, add free supports. |       |                                                                                                                        |                                               |                                                      |
| In cubicle:<br>W700<br>Busbar supports<br>75 mm distance<br>between               | Number of supports           | ≤ 15                                                                                                                                                                         | 2     |                                                                                                                        |                                               |                                                      |
|                                                                                   | ≤ 25                         | 2                                                                                                                                                                            |       |                                                                                                                        |                                               |                                                      |
|                                                                                   | depending on l <sub>cw</sub> | ≤ 30                                                                                                                                                                         | 2     |                                                                                                                        |                                               |                                                      |
|                                                                                   | 75 mm distance between       | ≤ 40                                                                                                                                                                         | -     | 2                                                                                                                      |                                               |                                                      |
|                                                                                   | (kA rms/1 s)                 | ≤ 50                                                                                                                                                                         | -     | 2                                                                                                                      |                                               |                                                      |
|                                                                                   | ≤ 60                         | -                                                                                                                                                                            | 2     | 2                                                                                                                      |                                               |                                                      |
|                                                                                   | ≤ 65                         | -                                                                                                                                                                            |       | 2+1                                                                                                                    |                                               |                                                      |
|                                                                                   | ≤ 75                         | -                                                                                                                                                                            |       | 2+1                                                                                                                    |                                               |                                                      |
| ≤ 85                                                                              | -                            |                                                                                                                                                                              | 2+1   |                                                                                                                        |                                               |                                                      |
| ≤ 100                                                                             | -                            |                                                                                                                                                                              |       | 2+2                                                                                                                    |                                               |                                                      |
| <b>Cat. no.</b>                                                                   | Fixed support                | <b>04664</b>                                                                                                                                                                 |       |                                                                                                                        | <b>04664 + 04671</b><br>(order 1 per support) | <b>04664 + 04646</b><br>(sold in lots of 12 spacers) |
| <b>Cat. no.</b>                                                                   | Free support                 | <b>04662</b>                                                                                                                                                                 |       |                                                                                                                        | <b>04662 + 04671</b><br>(order 1 per support) | <b>04662 + 04646</b><br>(sold in lots of 12 spacers) |
| In duct:<br>W300<br>Busbar supports<br>75 mm distance<br>between                  | Number of supports           | ≤ 15                                                                                                                                                                         | 1     |                                                                                                                        |                                               |                                                      |
|                                                                                   | ≤ 25                         | 1                                                                                                                                                                            |       |                                                                                                                        |                                               |                                                      |
|                                                                                   | depending on l <sub>cw</sub> | ≤ 30                                                                                                                                                                         | 1     |                                                                                                                        |                                               |                                                      |
|                                                                                   | 75 mm distance between       | ≤ 40                                                                                                                                                                         | 1     |                                                                                                                        |                                               |                                                      |
|                                                                                   | (kA rms/1 s)                 | ≤ 50                                                                                                                                                                         | 1     |                                                                                                                        |                                               |                                                      |
|                                                                                   | ≤ 60                         | 1                                                                                                                                                                            |       |                                                                                                                        |                                               |                                                      |
|                                                                                   | ≤ 65                         | 1 + 1                                                                                                                                                                        |       |                                                                                                                        |                                               |                                                      |
|                                                                                   | ≤ 75                         | 1 + 1                                                                                                                                                                        |       |                                                                                                                        |                                               |                                                      |
| ≤ 85                                                                              | 1 + 1                        |                                                                                                                                                                              |       |                                                                                                                        |                                               |                                                      |
| ≤ 100                                                                             | -                            |                                                                                                                                                                              | 1 + 1 |                                                                                                                        |                                               |                                                      |
| <b>Cat. no.</b>                                                                   | Fixed support                | <b>04664</b>                                                                                                                                                                 |       |                                                                                                                        | <b>04664 + 04671</b><br>(order 1 per support) | <b>04664 + 04646</b><br>(sold in lots of 12 spacers) |
| <b>Cat. no.</b>                                                                   | Free support                 | <b>04662</b>                                                                                                                                                                 |       |                                                                                                                        | <b>04662 + 04671</b><br>(order 1 per support) | <b>04662 + 04646</b><br>(sold in lots of 12 spacers) |

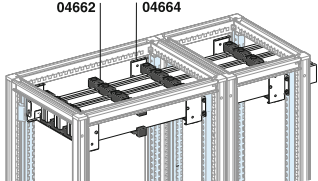
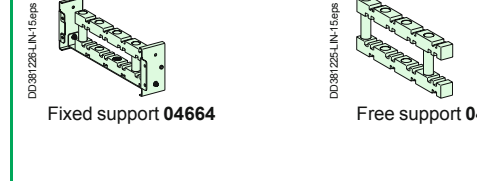
### Joints

|                 | Up to 1600 A                                                                                                                                                                                              |       |        |        |        | Up to 4000 A                                                                         |        |        |        |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------|--------|--------|--------------------------------------------------------------------------------------|--------|--------|--------|
|                 | 630 A                                                                                                                                                                                                     | 800 A | 1000 A | 1250 A | 1600 A | 2000 A                                                                               | 2500 A | 3200 A | 4000 A |
|                 |                                                                                                                        |       |        |        |        |  |        |        |        |
| <b>Cat. no.</b> | 3x <b>04620</b> (3P)<br>4x <b>04620 + 04624</b> (4P)                                                                                                                                                      |       |        |        |        | 3x <b>04621</b> (3P)<br>4x <b>04621 + 04624</b> (4P)                                 |        |        |        |
| Note            | Reference <b>04624</b> is compulsory when installing jointed Linergy LGYE 4P busbars and must be fitted where the frames meet. When installed at the bottom of a cubicle, the busbar must be partitioned. |       |        |        |        |                                                                                      |        |        |        |

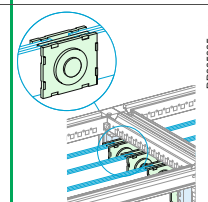
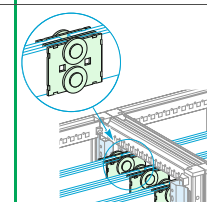
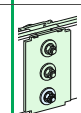
Note: for accessories, see page 321.

| Linergy LGYE - Horizontal flat busbars up to 4000 A                      |         |              |        |        |        |              |         |         |         |          |          |
|--------------------------------------------------------------------------|---------|--------------|--------|--------|--------|--------------|---------|---------|---------|----------|----------|
| Installation in Spacial SFP                                              |         | Up to 1600 A |        |        |        | Up to 4000 A |         |         |         |          |          |
| Copper bar, 2000 mm length                                               |         |              |        |        |        |              |         |         |         |          |          |
| Permissible current for an ambient temp. of 35 °C around the switchboard | IP ≤ 31 | 800 A        | 1000 A | 1400 A | 1800 A | 1800 A       | 2050 A  | 2300 A  | 2820 A  | 3300 A   | 3760 A   |
|                                                                          | IP > 31 | 750 A        | 900 A  | 1250 A | 1600 A | 1600 A       | 1850 A  | 2000 A  | 2500 A  | 2900 A   | 3340 A   |
| Busbar cross-section (mm)                                                |         | 60 x 5       | 80 x 5 | 60 x 5 | 80 x 5 | 80 x 10      | 50 x 10 | 60 x 10 | 80 x 10 | 100 x 10 | 120 x 10 |
| Number of busbars per phase                                              |         | 1            | 1      | 2      | 2      | 1            | 2       | 2       | 2       | 2        | 2        |
| Total number of vertical modules (50 mm)                                 |         | 3            |        |        |        |              |         |         |         |          | 4        |
| Cat. no.                                                                 |         | 04536        | 04538  | 04536  | 04538  | 04548        | 04545   | 04546   | 04548   | 04550    | 04552    |

### Busbar supports

|                                                                                                                 |  |                                                                                                                 |                                                          |                                                                                                                                                                              |                                                          |     |                                                                  |  |     |  |  |
|-----------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----|------------------------------------------------------------------|--|-----|--|--|
| <br>Fixed support <b>04664</b> |  | <br>Free support <b>04662</b> |                                                          |                                                                                                                                                                              |                                                          |     |                                                                  |  |     |  |  |
| In cubicle: W700 with 75 mm distance between bars                                                               |  | Characteristics                                                                                                 |                                                          | 2 fixed supports for Spacial SFP 700 wide frame are compulsory.<br>1 fixed support for 300/400 wide frame are compulsory.<br>If more supports are needed, add free supports. |                                                          |     |                                                                  |  |     |  |  |
| Number of supports                                                                                              |  | ≤ 15                                                                                                            | 2                                                        |                                                                                                                                                                              |                                                          |     |                                                                  |  |     |  |  |
| Number of supports depending on l <sub>cw</sub> (kA rms/1 s)                                                    |  | ≤ 25                                                                                                            | 2+1                                                      | 2                                                                                                                                                                            |                                                          |     |                                                                  |  |     |  |  |
|                                                                                                                 |  | ≤ 30                                                                                                            | 2                                                        |                                                                                                                                                                              |                                                          |     |                                                                  |  |     |  |  |
|                                                                                                                 |  | ≤ 40                                                                                                            | 2                                                        |                                                                                                                                                                              |                                                          |     |                                                                  |  |     |  |  |
|                                                                                                                 |  | ≤ 50                                                                                                            | -                                                        | 2+1                                                                                                                                                                          | 2                                                        |     |                                                                  |  |     |  |  |
|                                                                                                                 |  | ≤ 60                                                                                                            |                                                          |                                                                                                                                                                              | 2+1                                                      |     |                                                                  |  |     |  |  |
|                                                                                                                 |  | ≤ 65                                                                                                            |                                                          |                                                                                                                                                                              | 2+1                                                      |     |                                                                  |  |     |  |  |
|                                                                                                                 |  | ≤ 75                                                                                                            |                                                          |                                                                                                                                                                              | 2+2                                                      | 2+1 |                                                                  |  |     |  |  |
|                                                                                                                 |  | ≤ 85                                                                                                            |                                                          |                                                                                                                                                                              |                                                          |     | 2+1                                                              |  |     |  |  |
| Cat. no.                                                                                                        |  | Fixed support                                                                                                   | 04664                                                    |                                                                                                                                                                              | 04664                                                    |     | 04664 + 04671                                                    |  |     |  |  |
|                                                                                                                 |  | Free support                                                                                                    | 04662                                                    |                                                                                                                                                                              | 04662                                                    |     | 04662 + 04671                                                    |  |     |  |  |
| In duct: W300 with 75 mm distance between bars                                                                  |  | Number depending on l <sub>cw</sub> (kA rms/1 s)                                                                |                                                          |                                                                                                                                                                              |                                                          |     |                                                                  |  |     |  |  |
|                                                                                                                 |  | ≤ 30                                                                                                            | 1                                                        |                                                                                                                                                                              |                                                          |     |                                                                  |  |     |  |  |
|                                                                                                                 |  | ≤ 50                                                                                                            | 1+1                                                      |                                                                                                                                                                              |                                                          |     |                                                                  |  |     |  |  |
|                                                                                                                 |  | ≤ 85                                                                                                            |                                                          |                                                                                                                                                                              | 2                                                        |     |                                                                  |  |     |  |  |
| Cat. no. depending on depth                                                                                     |  | Fixed support                                                                                                   | NSYBHS500 (D500) or NSYBHS600 (D600) or NSYBHS800 (D800) |                                                                                                                                                                              | NSYBHS500 (D500) or NSYBHS600 (D600) or NSYBHS800 (D800) |     | NSYBHS500 (D500) or NSYBHS600 (D600) or NSYBHS800 (D800) + 04671 |  |     |  |  |
|                                                                                                                 |  | Free support                                                                                                    | 04662                                                    |                                                                                                                                                                              | 04662                                                    |     | 04662 + 04671                                                    |  |     |  |  |
| In cubicle W700 with 115 mm distance between bars                                                               |  | Number depending on l <sub>cw</sub> (kA rms/1 s)                                                                |                                                          |                                                                                                                                                                              |                                                          |     |                                                                  |  |     |  |  |
|                                                                                                                 |  | ≤ 30                                                                                                            |                                                          |                                                                                                                                                                              | 2                                                        |     |                                                                  |  |     |  |  |
|                                                                                                                 |  | ≤ 40                                                                                                            |                                                          |                                                                                                                                                                              | 2+1                                                      |     | 2                                                                |  |     |  |  |
|                                                                                                                 |  | ≤ 60                                                                                                            |                                                          |                                                                                                                                                                              | 2+1                                                      |     |                                                                  |  |     |  |  |
|                                                                                                                 |  | ≤ 75                                                                                                            |                                                          |                                                                                                                                                                              | 2+2                                                      |     | 2+1                                                              |  |     |  |  |
|                                                                                                                 |  | ≤ 85                                                                                                            |                                                          |                                                                                                                                                                              |                                                          |     | 2+2                                                              |  | 2+1 |  |  |
| Cat. no.                                                                                                        |  | Fixed support                                                                                                   |                                                          |                                                                                                                                                                              | NSYBHS800L                                               |     | NSYBHS800L + 04671                                               |  |     |  |  |
|                                                                                                                 |  | Free support                                                                                                    |                                                          |                                                                                                                                                                              | 04678                                                    |     | 04678 + 04671                                                    |  |     |  |  |
| In duct W300 with 115 mm distance between bars                                                                  |  | Number depending on l <sub>cw</sub>                                                                             |                                                          |                                                                                                                                                                              |                                                          |     |                                                                  |  |     |  |  |
|                                                                                                                 |  | ≤ 50                                                                                                            |                                                          |                                                                                                                                                                              | 1                                                        |     |                                                                  |  |     |  |  |
|                                                                                                                 |  | ≤ 85                                                                                                            |                                                          |                                                                                                                                                                              | 2                                                        |     |                                                                  |  |     |  |  |
| Cat. no.                                                                                                        |  | Fixed support                                                                                                   |                                                          |                                                                                                                                                                              | NSYBHS800L                                               |     | NSYBHS800L + 04671                                               |  |     |  |  |
|                                                                                                                 |  | Free support                                                                                                    |                                                          |                                                                                                                                                                              | 04678                                                    |     | 04678 + 04671                                                    |  |     |  |  |

### Joints

| Installation in Spacial SFP                |  | Up to 1600 A                                                                        |        |                                                                                     |        | Up to 4000 A                                                                          |         |                           |         |          |          |
|--------------------------------------------|--|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------|---------|---------------------------|---------|----------|----------|
|                                            |  | 1 vertical bar per phase                                                            |        | 2 vertical bars per phase                                                           |        | 1 vert. bar per phase                                                                 |         | 2 vertical bars per phase |         |          |          |
| Busbar cross-section (mm)                  |  | 60 x 5                                                                              | 80 x 5 | 60 x 5                                                                              | 80 x 5 | 80 x 10                                                                               | 50 x 10 | 60 x 10                   | 80 x 10 | 100 x 10 | 120 x 10 |
| Sliding joints with self-breaking lock nut |  | 04640                                                                               |        |                                                                                     | 04641  |                                                                                       |         |                           |         |          |          |
|                                            |  |  |        |  |        |  |         |                           |         |          |          |
| Cat. no.                                   |  | 04640                                                                               | 04641  | 04640                                                                               | 04641  | 04641                                                                                 | 04640   | 04640                     | 04641   | 04641    | 04643    |

Note: When installed at the bottom of a cubicle, the busbar must be partitioned.

### Linery LGYE - Lateral profiles up to 1600 A

**In Spacial SFP duct**

Linery profile, 1670 mm length

**Up to 1600 A (single busbar)**

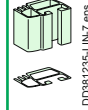
**W300**



DD381233-LIN-7 eps



DD381234-LIN-7 eps



DD381235-LIN-7 eps



DD381236-LIN-7 eps

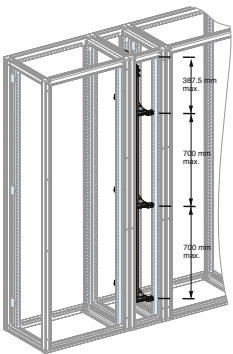


DD381237-LIN-7 eps

|                                                                          |         |              |              |               |               |               |
|--------------------------------------------------------------------------|---------|--------------|--------------|---------------|---------------|---------------|
| Permissible current for an ambient temp. of 35 °C around the switchboard | IP ≤ 31 | <b>630 A</b> | <b>800 A</b> | <b>1000 A</b> | <b>1250 A</b> | <b>1600 A</b> |
|                                                                          | IP > 31 | 680 A        | 840 A        | 1040 A        | 1290 A        | 1650 A        |
| Number of profiles per phase                                             |         | 1            |              |               |               |               |
| <b>Cat. no.</b>                                                          |         | <b>04502</b> | <b>04503</b> | <b>04504</b>  | <b>04505</b>  | <b>04506</b>  |

### Busbar supports

DD38535-EN eps



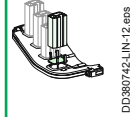
**Characteristics**

Number depending on Icw (kA rms/1 s)

- ≤ 25
- ≤ 30
- ≤ 40
- ≤ 50
- ≤ 60
- ≤ 65
- ≤ 75
- ≤ 85



Fixed support **04651**



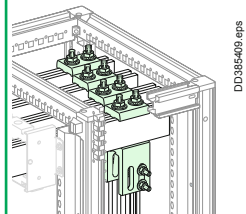
DD380742-LIN-12 eps

An end stop must be fitted on the bottom support: **01109** (sold in lots of 12)

|      |   |
|------|---|
| ≤ 25 | 3 |
| ≤ 30 | 3 |
| ≤ 40 | 3 |
| ≤ 50 | 4 |
| ≤ 60 | 5 |
| ≤ 65 | 5 |
| ≤ 75 | 7 |
| ≤ 85 | 8 |

**Cat. no.** **04651** (set of 2 upright adapters **06502** for installation in Spacial SFP cubicle)

### Connections to the Linery BS horizontal busbar



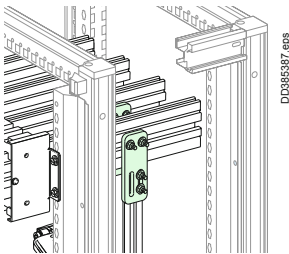
DD385409 eps

**Characteristics**

Supplied with mounting hardware. Reference include 1 connection only. Order 1 connection per phase.

|                                                    |                           |                      |                      |
|----------------------------------------------------|---------------------------|----------------------|----------------------|
| <b>Cat. no according to horizontal busbar size</b> | 5 mm thick                | <b>04634</b>         | <b>04635</b>         |
|                                                    | 10 mm thick Width ≤ 80 mm | <b>04636</b>         |                      |
|                                                    | Width > 80 mm             | <b>04636 + 04642</b> | <b>04638 + 04642</b> |

### Connections to the Linery LGYE horizontal busbar



DD385387 eps

≤ 1600 A

**Characteristics**

Supplied with mounting hardware. Reference include 1 connection only. Order 1 connection per phase.

|                 |                                                                                                 |
|-----------------|-------------------------------------------------------------------------------------------------|
| <b>Cat. no.</b> | <b>04602</b> (vertical connection)<br><b>04603</b> (vertical shifted connection) <sup>(1)</sup> |
|-----------------|-------------------------------------------------------------------------------------------------|

<sup>(1)</sup> Dedicated connection 04603 for Linery LGYE busbar in 150 mm duct with horizontal jointing.

### Linery LGYE - Lateral profiles up to 4000 A

|                                                                                |  |                     |              |              |              |              |              |              |              |              |              |
|--------------------------------------------------------------------------------|--|---------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| <b>In Spacial SFP duct</b>                                                     |  | <b>Up to 4000 A</b> |              |              |              |              |              |              |              |              |              |
| Linery profile, 2000 mm length                                                 |  | <b>W300</b>         |              |              |              |              |              |              |              |              |              |
|                                                                                |  |                     |              |              |              |              |              |              |              |              |              |
| Permissible current for an ambient temperature of 35 °C around the switchboard |  | IP ≤ 31             | 630 A        | 800 A        | 1000 A       | 1250 A       | 1600 A       | 2000 A       | 2500 A       | 3200 A       | 4000 A       |
| Length to cut for side mounting                                                |  | IP > 31             | 530 A        | 680 A        | 850 A        | 1050 A       | 1480 A       | 1650 A       | 2100 A       | 2800 A       | 3620         |
| Number of profiles per phase                                                   |  |                     | 630 A        | 800 A        | 1000 A       | 1250 A       | 1650 A       | 2000 A       | 2440 A       | 3200 A       | 3350         |
| Cat. no.                                                                       |  |                     | 1675 mm      |              |              |              |              |              |              | 1625 mm      |              |
|                                                                                |  |                     | 1            |              |              |              |              |              |              |              |              |
|                                                                                |  |                     | <b>04560</b> | <b>04561</b> | <b>04562</b> | <b>04563</b> | <b>04564</b> | <b>04565</b> | <b>04566</b> | <b>04567</b> | <b>04568</b> |

### Busbar supports

|                                                                        |                                                                                                                                      |                                                                                            |                                |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------|
|                                                                        |                                                                                                                                      |                                                                                            |                                |
|                                                                        | Fixed support <b>NSYBVS500</b>                                                                                                       | Free support <b>04662</b>                                                                  | Bottom support <b>NSYAS500</b> |
| Characteristics                                                        | 3 fixed supports are compulsory to hold the busbar in position. If more than 3 supports are needed, use free supports (in addition). |                                                                                            |                                |
| Number depending on I <sub>cw</sub> (kA rms/1 s)                       | ≤ 30                                                                                                                                 | 3                                                                                          |                                |
|                                                                        | ≤ 40                                                                                                                                 | 3+2                                                                                        | 3                              |
|                                                                        | ≤ 50                                                                                                                                 | 3+2                                                                                        | 3                              |
|                                                                        | ≤ 60                                                                                                                                 | 3+2                                                                                        | 3                              |
|                                                                        | ≤ 65                                                                                                                                 | 3+2                                                                                        | 3                              |
|                                                                        | ≤ 75                                                                                                                                 | 3+4                                                                                        | 3+2                            |
|                                                                        | ≤ 85                                                                                                                                 | 3+4                                                                                        | 3+2                            |
|                                                                        | ≤ 100                                                                                                                                | 3+6                                                                                        | 3+6                            |
| Cat. no. of supports depending on distance between bars and duct depth | Spacial SFP duct W300, D500                                                                                                          | <b>NSYBVS500</b> (fixed) + <b>04662</b> (free) + <b>NSYAS500</b> (spacer) <sup>(1)</sup>   |                                |
|                                                                        | 75 mm distance between bars                                                                                                          | <b>NSYBVS600</b> (fixed) + <b>04662</b> (free) + <b>NSYAS600</b> (spacer) <sup>(1)</sup>   |                                |
|                                                                        | W300, D600                                                                                                                           | <b>NSYBVS800</b> (fixed) + <b>04662</b> (free) + <b>NSYAS800</b> (spacer) <sup>(1)</sup>   |                                |
|                                                                        | W300, D800                                                                                                                           | <b>NSYBVS800L</b> (fixed) + <b>04678</b> (free) + <b>NSYAS800L</b> (spacer) <sup>(1)</sup> |                                |
|                                                                        | Spacial SFP duct W300, D800                                                                                                          | <b>NSYBVS800L</b> (fixed) + <b>04678</b> (free) + <b>NSYAS800L</b> (spacer) <sup>(1)</sup> |                                |
|                                                                        | 115 mm distance between bars                                                                                                         |                                                                                            |                                |

<sup>(1)</sup> If using a 100 x 10 bars, add a pack of screws ref. **04671** for each fixed support and free support.

### Wedging busbars in position

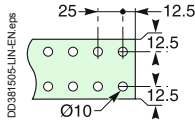
|                 |                                                                                                                                        |                                                             |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
|                 |                                                                                                                                        |                                                             |
|                 | Wedge fitted on bottom support                                                                                                         | Wedge fitted on bottom support                              |
| Characteristics | The bottom support is used to place profiles and ensure they are in the correct position. It is not considered to be a busbar support. |                                                             |
| Cat. no.        | <b>04666</b><br><b>04658</b> (pack of 12 stops)                                                                                        | <b>04666</b><br><b>04659</b> (pack of 12 replacement stops) |

### Connections to the Linery LGYE horizontal busbar

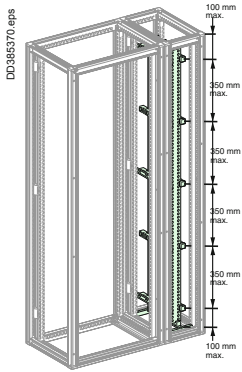
|                 |                                                                                                     |              |
|-----------------|-----------------------------------------------------------------------------------------------------|--------------|
|                 |                                                                                                     |              |
|                 | 2000/2500 A                                                                                         | 3200/4000 A  |
| Characteristics | Supplied with mounting hardware. Reference include 1 connection only. Order 1 connection per phase. |              |
| Cat. no.        | <b>04604</b> (short connection)<br><b>04605</b> (long connection)                                   | <b>04607</b> |

### Linery LGYE - Lateral flat busbars up to 3200 A

| In Spacial SFP duct<br>Pre-slotted copper,<br>1675 mm length             | Up to 1600 A      |              |              |              | Up to 3200 A      |              |              |              |              |              |                             |        |
|--------------------------------------------------------------------------|-------------------|--------------|--------------|--------------|-------------------|--------------|--------------|--------------|--------------|--------------|-----------------------------|--------|
|                                                                          | W300 D500/600/800 |              |              |              | W300 D500/600/800 |              |              |              |              |              |                             |        |
| Permissible current for an ambient temp. of 35 °C around the switchboard | IP ≤ 31           | 800 A        | 1000 A       | 1400 A       | 1800 A            | 1200 A       | 1400 A       | 1800 A       | 2050 A       | 2300 A       | 2820 A                      | 3200 A |
|                                                                          | IP > 31           | 750 A        | 900 A        | 1250 A       | 1600 A            | 1080 A       | 1250 A       | 1600 A       | 1850 A       | 2000 A       | 2500 A                      | 2820 A |
| Busbar cross-section (mm)                                                | 60 x 5            | 80 x 5       | 60 x 5       | 80 x 5       | 50 x 10           | 60 x 10      | 80 x 10      | 50 x 10      | 60 x 10      | 80 x 10      | 100 x 10                    |        |
| Number of busbars per phase                                              | 1                 |              |              | 2            |                   | 1            |              | 2            |              |              |                             |        |
| Cat. no.                                                                 | <b>04516</b>      | <b>04518</b> | <b>04516</b> | <b>04518</b> | <b>04525</b>      | <b>04526</b> | <b>04528</b> | <b>04525</b> | <b>04526</b> | <b>04528</b> | <b>04550</b> <sup>(1)</sup> |        |



### Busbar supports



Description

3 fixed supports are compulsory to hold the busbar in position. If more than 3 supports are needed, use free supports (in addition). The bottom wedge support is used to place the busbar and ensure it is in the correct position. It does not count as a busbar support.

Number of supports depending on l<sub>cw</sub> (kA rms/1 s)

|      |     |     |
|------|-----|-----|
| ≤ 15 | 3   | 3   |
| ≤ 25 | 3+2 | 3   |
| ≤ 30 | 3+2 | 3   |
| ≤ 40 | 3+4 | 3+2 |
| ≤ 50 | 3+4 | 3+2 |
| ≤ 60 |     | 3+4 |
| ≤ 65 |     | 3+4 |
| ≤ 75 |     | 3+6 |
| ≤ 85 |     | 3+4 |

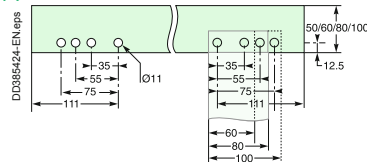
|                                                                        |                              |            |                                                                                            |
|------------------------------------------------------------------------|------------------------------|------------|--------------------------------------------------------------------------------------------|
| Cat. no. of supports depending on distance between bars and duct depth | Spacial SFP duct             | W300, D500 | <b>NSYBVS500</b> (fixed) + <b>04662</b> (free) + <b>NSYAS500</b> (spacer) <sup>(2)</sup>   |
|                                                                        | 75 mm distance between bars  | W300, D600 | <b>NSYBVS600</b> (fixed) + <b>04662</b> (free) + <b>NSYAS600</b> (spacer) <sup>(2)</sup>   |
|                                                                        | Spacial SFP duct             | W300, D800 | <b>NSYBVS800</b> (fixed) + <b>04662</b> (free) + <b>NSYAS800</b> (spacer) <sup>(2)</sup>   |
|                                                                        | 115 mm distance between bars | W300, D800 | <b>NSYBVS800L</b> (fixed) + <b>04678</b> (free) + <b>NSYAS800L</b> (spacer) <sup>(2)</sup> |

(1) Copper bar without holes.  
 (2) If using a 100 x 10 bars, add a pack of screws ref. **04671** for each fixed support and free support.

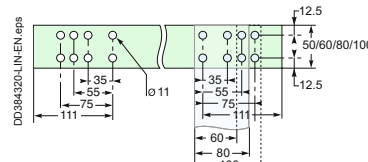
### Connections to the Linery BS horizontal busbar

|                                                                      |                                                                                                                                                                                                                  |                                                                                                                                                                                                                    |                           |                      |              |              |                      |              |          |
|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------|--------------|--------------|----------------------|--------------|----------|
| Characteristics                                                      | <p>For a busbar with 75 mm distance between bars, the bars must be completely covered. Staggered assembly points between one bar and the next, to maintain the necessary clearance distances. <sup>(3)</sup></p> | <p>References <b>04636</b>, <b>04637</b>, <b>04638</b> are supplied individually: 1 connection per phase. Reference <b>04642</b> consists of 2 M8 x 140 screws which can replace the original M8 x 120 screws.</p> |                           |                      |              |              |                      |              |          |
|                                                                      |                                                                                                                                                                                                                  | 1 vertical bar per phase                                                                                                                                                                                           | 2 vertical bars per phase |                      |              |              |                      |              |          |
| Cat. no. of the connection piece depending on horizontal busbar size | 60 x 5                                                                                                                                                                                                           | 80 x 5                                                                                                                                                                                                             | 50 x 10                   | 60 x 10              | 80 x 10      | 50 x 10      | 60 x 10              | 80 x 10      | 100 x 10 |
|                                                                      | ≤ 80 mm                                                                                                                                                                                                          | <b>04645</b>                                                                                                                                                                                                       | <b>04636</b>              | <b>04637</b>         | <b>04637</b> | <b>04637</b> | <b>04637 + 04642</b> | <b>04645</b> |          |
| > 80 mm                                                              | <b>04645</b>                                                                                                                                                                                                     | <b>04636 + 04642</b>                                                                                                                                                                                               | <b>04637 + 04642</b>      | <b>04638 + 04642</b> | <b>04645</b> |              |                      |              |          |

(3) Drill hole dimensions for 5 mm thick horizontal busbars.


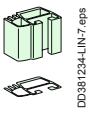
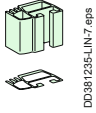




Drill hole dimensions for 10 mm thick horizontal busbars.

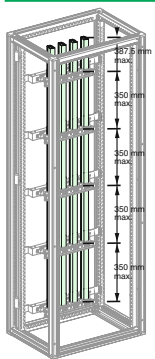


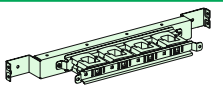


### Linery LGYE - Rear profiles up to 1600 A

|                                                                          |         | Up to 1600 A                                                                      |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
|--------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>At the rear of a Spacial SFP cubicle</b>                              |         | <b>W700</b>                                                                       |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
| Linery profile, 1670 mm length                                           |         |  |  |  |  |  |
|                                                                          |         | <b>630 A</b>                                                                      | <b>800 A</b>                                                                      | <b>1000 A</b>                                                                      | <b>1250 A</b>                                                                       | <b>1600 A</b>                                                                       |
| Permissible current for an ambient temp. of 35 °C around the switchboard | IP ≤ 31 | 680 A                                                                             | 840 A                                                                             | 1040 A                                                                             | 1290 A                                                                              | 1650 A                                                                              |
|                                                                          | IP > 31 | 590 A                                                                             | 760 A                                                                             | 950 A                                                                              | 1170 A                                                                              | 1480 A                                                                              |
| Number of profiles per phase                                             |         | 1                                                                                 |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
| <b>Cat. no.</b>                                                          |         | <b>04502</b>                                                                      | <b>04503</b>                                                                      | <b>04504</b>                                                                       | <b>04505</b>                                                                        | <b>04506</b>                                                                        |

### Busbar supports

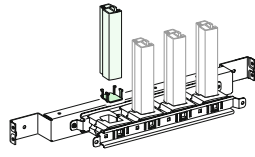




**Fixed support 04652**

|                                                  |      |   |  |
|--------------------------------------------------|------|---|--|
| Number depending on l <sub>cw</sub> (kA rms/1 s) | ≤ 25 | 3 |  |
|                                                  | ≤ 30 | 4 |  |
|                                                  | ≤ 40 | 5 |  |
|                                                  | ≤ 50 | 7 |  |

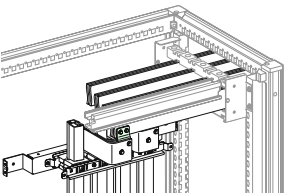
Characteristics



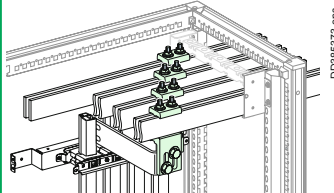
An end stop must be fitted on the bottom support **01109** (sold in lots of 12)

**Cat. no.** **04652**

### Connections to the Linery BS horizontal flat busbar



**04635** connection to 5 mm thick horizontal busbar

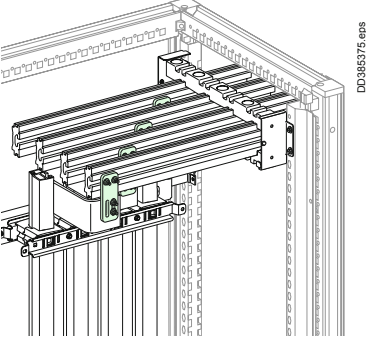


**04636** connection to 10 mm thick horizontal busbar

Characteristics: Fixings supplied, order 1 connection per phase. For part of the connection, flexible insulated busbars are needed.

|                                                     |             |               |                      |
|-----------------------------------------------------|-------------|---------------|----------------------|
| <b>Cat. no. according to horizontal busbar size</b> | 5 mm thick  |               | <b>04635</b>         |
|                                                     | 10 mm thick | Width ≤ 80 mm | <b>04636</b>         |
|                                                     |             | Width > 80 mm | <b>04636 + 04642</b> |

### Connections to the Linery LGYE horizontal flat busbar

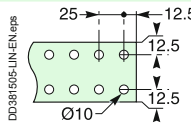



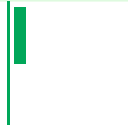

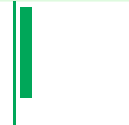


**04602** connection to the Linery LGYE horizontal flat busbar

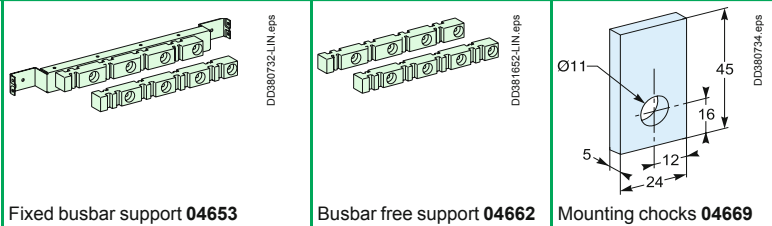
Characteristics: Fixings supplied, order 1 connection per phase. For part of the connection, flexible insulated busbars are needed.

**Cat. no.** **04602**

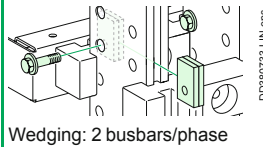
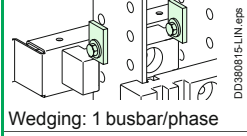
### Linery LGYE - Rear flat busbars up to 1600 A

|                                                                                |                                                                                   | Up to 1600 A                                                                      |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
|--------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| At the rear of a Spacial SFP cubicle                                           |                                                                                   | W700                                                                              |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
| Pre-slotted copper,<br>1670 mm length                                          |  |  |  |  |  |  |  |
| Permissible current for an ambient temperature of 35 °C around the switchboard | IP ≤ 31<br>IP > 31                                                                | 800 A<br>750 A                                                                    | 1000 A<br>900 A                                                                   | 1400 A<br>1250 A                                                                   | 1000 A<br>1080 A                                                                    | 1200 A<br>1250 A                                                                    | 1600 A<br>1600 A                                                                    |
| Busbar cross-section (mm)                                                      |                                                                                   | 60 x 5                                                                            | 80 x 5                                                                            | 60 x 5                                                                             | 50 x 10                                                                             | 60 x 10                                                                             | 80 x 10                                                                             |
| Number of busbars per phase                                                    |                                                                                   | 1                                                                                 |                                                                                   | 2                                                                                  | 1                                                                                   |                                                                                     |                                                                                     |
| <b>Cat. no.</b>                                                                |                                                                                   | <b>04516</b>                                                                      | <b>04518</b>                                                                      | <b>04516</b>                                                                       | <b>04525</b>                                                                        | <b>04526</b>                                                                        | <b>04528</b>                                                                        |

### Busbar supports



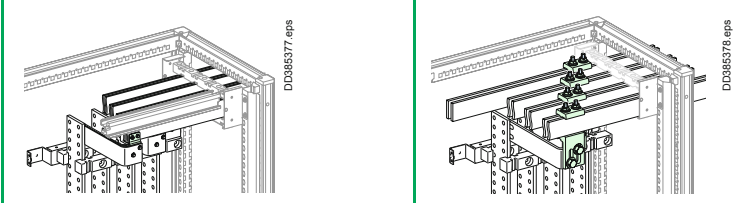
**Characteristics**  
 3 fixed supports ref. 04653 are compulsory to keep the busbar vertical.  
 If more than 3 supports are needed, use free support ref. 04662 (in addition).  
 Metal shim ref. 04669 (sold in lots of 100), 5 mm thick, is screwed onto the busbar.  
 It rests on a fixed support and is used to wedge the busbar in position.



|                                      |      |     |     |
|--------------------------------------|------|-----|-----|
| Number depending on Icw (kA rms/1 s) | ≤ 15 | 3   | 3   |
|                                      | ≤ 25 | 3+2 | 3   |
|                                      | ≤ 30 | 3+2 | 3+2 |
|                                      | ≤ 40 | 3+4 | 3+2 |
|                                      | ≤ 50 |     | 3+2 |
|                                      | ≤ 60 | 3+4 | 3+4 |
|                                      | ≤ 65 |     | 3+4 |
|                                      | ≤ 75 |     | 3+6 |
|                                      | ≤ 85 |     |     |

**Cat. no.** 04653 (fixed) + 04662 (free) + 04669 (spacer)

### Connections to the Linery BS horizontal flat busbar



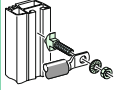
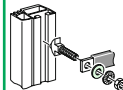

**04635** connection to horizontal busbar 5 mm thick  
**04636** connection to horizontal busbar 10 mm thick

**Characteristics**  
 For part of the connection, flexible insulated busbars are needed.  
 References **04635**, **04636** are supplied individually = 1 connection per phase.  
 Reference **04642** consists of 2 M8 x 140 screws which can replace the original M8 x 120 screws.

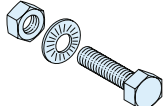
|                                                     |               |                                            |
|-----------------------------------------------------|---------------|--------------------------------------------|
| <b>Cat. no. according to horizontal busbar size</b> | 5 mm thick    | <b>04635</b>                               |
|                                                     | 10 mm thick   | <b>04636</b> <sup>(1)</sup>                |
|                                                     | Width ≤ 80 mm | <b>04636</b> <sup>(1)</sup>                |
|                                                     | Width > 80 mm | <b>04636</b> + <b>04642</b> <sup>(1)</sup> |

<sup>(1)</sup> To be made.


### Linery LGYE - Accessories

|                     |                 |                                                                                                                                                            |                                                                                   |                                                                                     |
|---------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                     |                 |                                                                           |  |  |
|                     |                 | Linery screw<br>DD381216-LIN-15.eps                                                                                                                        | Plain washer<br>DD381216-LIN-15.eps                                               | Identification<br>DD381222-LIN-10.eps                                               |
| Linery screw        | Characteristics | Sold in lots of 20: 20 screws + 20 nuts + 20 contact washers, class 8.8.<br>The screws slide into the profile and are then locked in the desired position. |                                                                                   |                                                                                     |
|                     | <b>Cat. no.</b> | 25 mm length                                                                                                                                               | see the table "Connections on Linery LGYE & LGY" below                            |                                                                                     |
|                     |                 | 39 mm length                                                                                                                                               |                                                                                   |                                                                                     |
| Steel plain washers | Characteristics | M8 sold in lots of 20                                                                                                                                      |                                                                                   |                                                                                     |
|                     | <b>Cat. no.</b> | ext. Ø20 mm                                                                                                                                                | <b>04772</b>                                                                      |                                                                                     |
|                     |                 | ext. Ø24 mm                                                                                                                                                | <b>04773</b>                                                                      |                                                                                     |
|                     |                 | ext. Ø28 mm                                                                                                                                                | <b>04774</b>                                                                      |                                                                                     |
| Brass plain washers | Characteristics | M8 sold in lots of 20 for connection of ≤ 25 mm <sup>2</sup> lugs to Linery                                                                                |                                                                                   |                                                                                     |
|                     | <b>Cat. no.</b> | ext. Ø20 mm                                                                                                                                                | <b>04775</b>                                                                      |                                                                                     |
| Identification      | Characteristics | 12 clip-on supports + N, L1, L2, L3, PE, PEN labels                                                                                                        |                                                                                   |                                                                                     |
|                     | <b>Cat. no.</b> | <b>04794</b>                                                                                                                                               |                                                                                   |                                                                                     |
|                     | Characteristics | Linery LGYE busbar screw plate kit after sales service                                                                                                     |                                                                                   |                                                                                     |
|                     | <b>Cat. no.</b> | <b>01130</b>                                                                                                                                               |                                                                                   |                                                                                     |

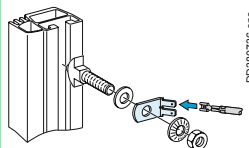
### M8 bolts

|                               |                 |                                                                                   |
|-------------------------------|-----------------|-----------------------------------------------------------------------------------|
|                               |                 |  |
|                               |                 | DD380737.eps                                                                      |
| Linery BS, 20 bolts 8.8 class | Characteristics | Set of 20 bolts + 20 nuts + 40 contact washers.                                   |
|                               | <b>Cat. no.</b> | M8 x 20 <b>04782</b>                                                              |
|                               |                 | M8 x 25 <b>04783</b>                                                              |
|                               |                 | M8 x 30 <b>04784</b>                                                              |
|                               |                 | M8 x 35 <b>04785</b>                                                              |
|                               |                 | M8 x 40 <b>04786</b>                                                              |
|                               |                 | M8 x 45 <b>04787</b>                                                              |
|                               |                 | M8 x 50 <b>04788</b>                                                              |




### Torque nuts

|                   |                 |                                                                                                                                                                                      |
|-------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   |                 |                                                                                                   |
|                   |                 | DD380735.eps                                                                                                                                                                         |
| 20 M8 torque nuts | Characteristics | Can be used to obtain the correct tightening torque (28 Nm) recommended by then manufacturer, without using a torque wrench. Torque nuts may be used for all electrical connections. |
|                   | <b>Cat. no.</b> | <b>04759</b>                                                                                                                                                                         |

### Voltage tap-offs

|                                                        |                 |                                                                                                                                             |
|--------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------|
|                                                        |                 |                                                          |
|                                                        |                 | DD380736.eps                                                                                                                                |
| 20 M10 voltage tap-offs for two 6.35 mm tab connectors | Characteristics | For small lugs (on low-current cables or measurement tap-offs), insert a conducting washer (cat. no. 04775) between the busbar and the lug. |
|                                                        | <b>Cat. no.</b> | <b>04229</b>                                                                                                                                |

### ★ Connections on Linery LGYE & LGY

| InA (A)      |                                 | Connection on Linery                  | Utilisation | Cat. no.                   |                                                                                       |
|--------------|---------------------------------|---------------------------------------|-------------|----------------------------|---------------------------------------------------------------------------------------|
| 0 to 630     | Cable<br>Insulated flexible bar | Use the 25 mm Linery screw            | Recommended | <b>04766</b>               |  |
|              |                                 | Use the 39 mm Linery screw            | Possible    | <b>04767<sup>(1)</sup></b> |                                                                                       |
| 800 to 1250  | 5 mm thick bar                  | Use the 25 mm Linery screw            | Recommended | <b>04766</b>               |  |
|              |                                 | Use the 39 mm Linery screw            | Possible    | <b>04767<sup>(1)</sup></b> |                                                                                       |
|              |                                 | Use the flat plate screw with 2 studs | Possible    | <b>04768</b>               |                                                                                       |
| 1600 to 2500 | 5 or 10 mm thick bar            | Use the flat plate screw with 2 studs | Recommended | <b>04768</b>               |  |
|              |                                 | Use the 39 mm Linery screw            | Possible    | <b>04767<sup>(1)</sup></b> |                                                                                       |
| 3200 to 4000 | 10 mm thick bar                 | Use the flat plate screw with 3 studs | Recommended | <b>04769</b>               |                                                                                       |

(1) 04767 is only compatible with Linery LGY.

### Form 1 partitioning



#### Presentation

**Decisions concerning the Form of separation and the degree of protection are the subject of an agreement between the manufacturer and the user.**

In most installations, Spacial SFP cubicles do not require partitioning. In this case, the switchboard is a Form 1.

Safety being one of its foremost goals, Schneider Electric offers options and features that go well beyond the recommendations of the standard.

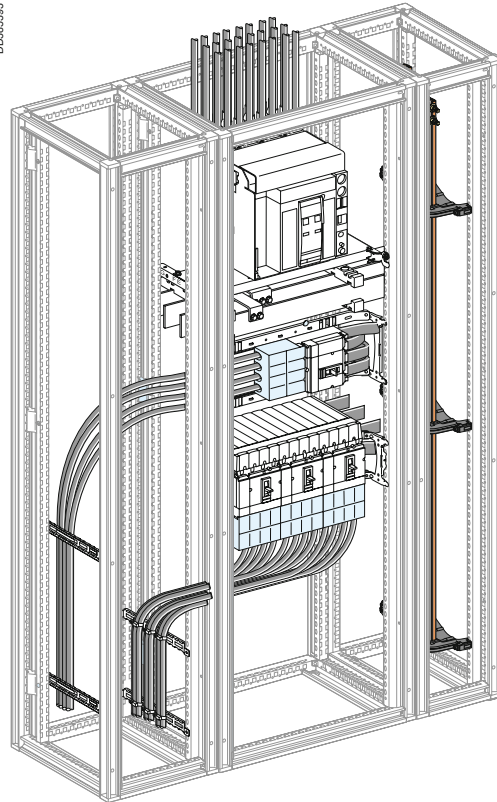
The protection of life and property is a standard feature due to:

- > front plates that require a tool to be removed
- > keylocks on doors, some of which provide access to live parts
- > the systematic installation of terminal shields on Compact NSX circuit breakers and Compact INS and INV switch-disconnectors.

What is more, Spacial SFP offers different levels of partitioning to create separations inside the cubicles and thus create Form 2b, 3b, 4a & 4b electrical switchboards.

Electrical switchboards must meet the degree of protection IP2X to comply with standard IEC 61439-1 and 2.

DD3845393

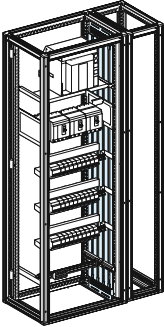
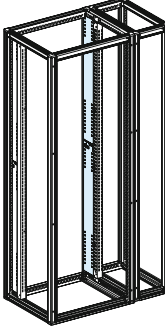
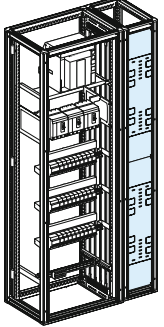
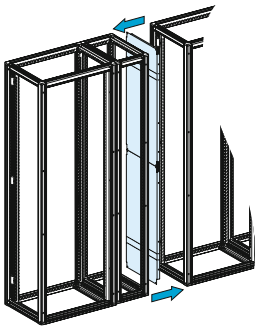
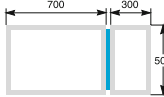
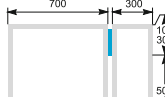

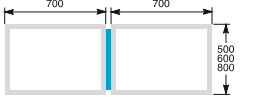


*The protection of life and property is ensured by the systematic installation of terminal shields on Compact NSX circuit breakers and on Compact INS and INV switch-disconnectors (see the pages on the functional units).*

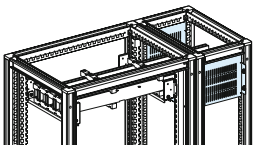
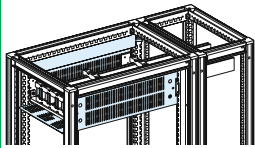
### Form 2 partitioning

Separation of busbars from the functional units:

- protection against contact with live parts upstream of the outgoing circuits
- protection against penetration of foreign solid bodies.

|                        | Lateral partitioning                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Form 2 restoration for side-barrier cut-out                                                                                                                                                                                                                                                                               | Partitioning extension                                                                                                                                  | Front and rear barrier                                                                                                                                                                                                                                                                                                                            | Inter-cubicle partitioning                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                        |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                           |                                                                        |                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                            |
|                        | DD384407.eps                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                           | DD384408.eps                                                                                                                                            | DD384409.eps                                                                                                                                                                                                                                                                                                                                      | DD384410.eps                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Schemes</b>         |                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                           |                                                                       |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                           |
|                        | DD383396.EPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                           | DD383542.eps                                                                                                                                            | DD383360.EPS                                                                                                                                                                                                                                                                                                                                      | DD383543.eps                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Characteristics</b> | <ul style="list-style-type: none"> <li>■ Vertical barrier made of insulating slats.</li> <li>■ Can be installed on both sides of Linergy and flat busbars.</li> <li>■ The space between the slats is sufficient for prefabricated connections (one copper bar, 5 or 10 mm thick, or insulated flexible bars) or for cables up to 35 mm<sup>2</sup>, while maintaining the degree of protection IP2X compliance with standard IEC 60695.2.1 concerning withstand to fire.</li> </ul> | <ul style="list-style-type: none"> <li>■ This kit enables passage of the connection between a device &gt; 1600 A (NW, INS) and lateral vertical busbars.</li> <li>■ It is made up of an insulated plate (six modules H 300 mm) that can be cut as required, supplied with supports and the necessary hardware.</li> </ul> | <ul style="list-style-type: none"> <li>■ For the Spacial SFP system switchboards 600 and 800 mm depth, a partitioning extension is required.</li> </ul> | <ul style="list-style-type: none"> <li>■ Front protection is realized by the association of the door W300 and this barrier. Metallic barrier, composed of 2 parts H850, pre-cut at both ends.</li> <li>■ Rear protection, a barrier is required at the rear of the busbar compartment in cubicles that are 800, 1000 and 1300 mm deep.</li> </ul> | <ul style="list-style-type: none"> <li>■ Metal partition, used to separate two adjacent cubicles.</li> <li>■ It is made up of two panels, each 850 mm high.</li> <li>■ The top and bottom ends have knock-outs for horizontal busbars.</li> <li>■ Supplied with the necessary supports and hardware, the partition is mounted on the framework and does not hinder installation of the functional mounting plates.</li> </ul> |
| <b>Referencias</b>     | <b>06545</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>04924</b>                                                                                                                                                                                                                                                                                                              | D600: <b>06541</b><br>D800: <b>06543</b>                                                                                                                | <b>06540</b>                                                                                                                                                                                                                                                                                                                                      | D500: <b>06555</b><br>D600: <b>06565</b><br>D800: <b>06558</b>                                                                                                                                                                                                                                                                                                                                                                |

### Partitioning of horizontal busbars

|                               | W300                                                                                                                                                                                                                                                                                                                                                   |              |              | W700                                                                                 |              |              |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|--------------------------------------------------------------------------------------|--------------|--------------|
|                               |                                                                                                                                                                                                                                                                     |              |              |  |              |              |
|                               | DD384412.eps                                                                                                                                                                                                                                                                                                                                           |              |              | DD384411.eps                                                                         |              |              |
| <b>Designation</b>            | <ul style="list-style-type: none"> <li>■ Set of two barriers (front and rear), plus a slotted rear panel for efficient natural convection in the switchboard.</li> <li>■ The set can be used to partition horizontal busbars installed at the top or bottom of the cubicle.</li> <li>■ The space required for the busbars is not increased.</li> </ul> |              |              |                                                                                      |              |              |
| <b>For Depth</b>              | D500                                                                                                                                                                                                                                                                                                                                                   | D600         | D800         | D500                                                                                 | D600         | D800         |
| <b>Cat. no. for 3M busbar</b> | <b>06560</b>                                                                                                                                                                                                                                                                                                                                           | <b>06561</b> | <b>06563</b> | <b>06570</b>                                                                         | <b>06570</b> | <b>06570</b> |
| <b>Cat. no. for 4M busbar</b> | <b>06568</b>                                                                                                                                                                                                                                                                                                                                           | <b>06568</b> | <b>06568</b> | <b>06567</b>                                                                         | <b>06567</b> | <b>06567</b> |

**Note:** when the busbars are at the bottom of the cubicle, gland plates are mandatory.

# Prisma functional system

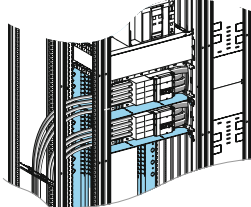
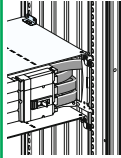

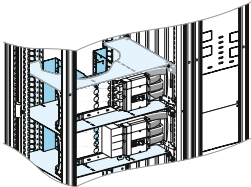
## Characteristics

### Form 3 partitioning

Separation of busbars from the functional units and separation of all functional units from one another.

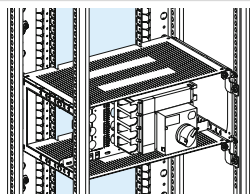
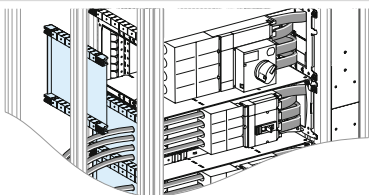
Separation of the terminals for external conductors from the functional units, but not from each other.

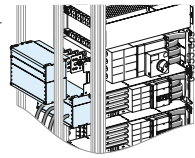
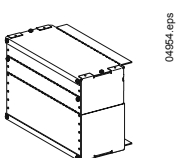
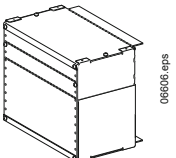
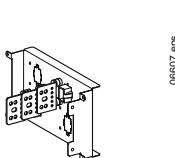
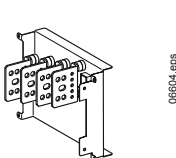
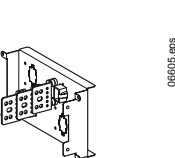
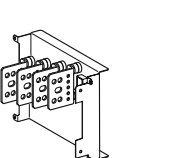
- protection against contact with live parts
- reduction in the risk of faults between the functional units (propagation of electrical arcs, etc.).

|                        | Front connection                                                                                                                                       |                                                                                                                                                                                                          | Rear connection                                                                                                                                                                                              |                                                                                                            |              |              |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|--------------|--------------|
|                        |                                                                       |                                                                                                                         |                                                                                                                            |                         |              |              |
|                        | <b>Horizontal metal partition, W650 mm</b>                                                                                                             | <b>Rear support for partitions, W650 mm</b>                                                                                                                                                              | <b>6 universal angle brackets</b>                                                                                                                                                                            | <b>Rear connection</b>                                                                                     |              |              |
| <b>Characteristics</b> | <ul style="list-style-type: none"> <li>■ A horizontal metal partition can be used to physically separate functional units from one another.</li> </ul> | <ul style="list-style-type: none"> <li>■ It is fixed at the rear by a support (two uprights) secured to the framework (500 mm deep) or to the intermediate uprights (800 mm deep frameworks).</li> </ul> | <ul style="list-style-type: none"> <li>■ A set of brackets can be used to install partial Form 3 partitioning in the cubicle.</li> <li>■ It does not take up any useful space in the switchboard.</li> </ul> | <ul style="list-style-type: none"> <li>■ Vertical partitions (two cat. no. per functional unit)</li> </ul> |              |              |
| <b>Cat. no.</b>        | <b>04901</b>                                                                                                                                           | <b>04943</b>                                                                                                                                                                                             | <b>03583</b>                                                                                                                                                                                                 | <table border="1"> <tr> <td><b>04955</b></td> <td><b>04956</b></td> </tr> </table>                         | <b>04955</b> | <b>04956</b> |
| <b>04955</b>           | <b>04956</b>                                                                                                                                           |                                                                                                                                                                                                          |                                                                                                                                                                                                              |                                                                                                            |              |              |

### Form 4 partitioning


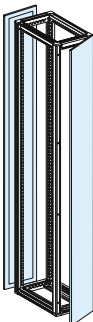

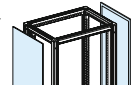
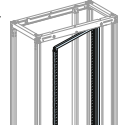
- Separation of busbars from the functional units and separation of all functional units from one another, including the terminals for external conductors which are an integral part of the functional unit.
- Protection against contacts with live parts and reduction in the risk of faults between the functional units (propagation of electrical arcs, etc.).
- Form 4a: terminal for external conductors in the same compartment as the associated.
- Form 4b: Terminals for external conductors not in the same compartment as the associated functional unit, but in individual, separate, enclosed protected spaces or compartments.

| Form 4a partition      |                                                                                                                                                                                               |                                                                                                                    |                                |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------|
| For front connection   |                                                                                                                                                                                               |                                                                                                                    |                                |
|                        |                                                                                                              |                                  |                                |
|                        | <b>Form 4a backplate (one cat. no. per cubicle)</b>                                                                                                                                           | <b>Form 4a gland plate</b>                                                                                         |                                |
| <b>Characteristics</b> | ■ a backplate (one cat. no. per cubicle) made up to two metal half panels mounted on the rear supports for Form 3 partitions. This backplate is not indispensable for 500 mm deep frameworks. | ■ a plastic gland plate that can be easily cut out (one for each functional unit) and is mounted on the framework. |                                |
| <b>Cat. no.</b>        | <b>04946</b>                                                                                                                                                                                  | 3 or 4 modules<br><b>04951</b>                                                                                     | 5 or 6 modules<br><b>04952</b> |

| Form 4b partition                                                                   |                                                                                                                                                             |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |                                                                          |  |  |  |  |  |
|                                                                                     |                                                                                                                                                             |                                                                                     | <b>Connection transfer assembly, 3 to 5 modules, 250 A</b>                          |                                                                                      | <b>Connection transfer assembly, 4 to 6 modules, 630 A</b>                            |                                                                                       |
| <b>Characteristics</b>                                                              | ■ a cover with metallic gland plates that can be easily cut out on the side and bottom. It is available in two heights:<br>3 to 5 modules<br>4 to 6 modules |                                                                                     | ■ transfer assembly without connection to simplified the cable installation         |                                                                                      | ■ transfer assembly without connection to simplified the cable installation           |                                                                                       |
| <b>Cat. no.</b>                                                                     | <b>06600</b>                                                                                                                                                | <b>06601</b>                                                                        | 3P<br><b>06606</b>                                                                  | 4P<br><b>06607</b>                                                                   | 3P<br><b>06604</b>                                                                    | 4P<br><b>06605</b>                                                                    |

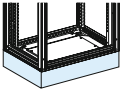
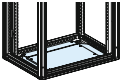
### Common characteristics

- Roof characteristics:
  - equipped with a factory-mounted polyurethane (PUR) gasket
  - supplied with mounting hardware
  - with markings for clear identification of cable-running zones
- The cables compartment can be mounted on the right or left.
- Can be combined side-by-side or back-to-back.
- Receive the IP55 cover panels.


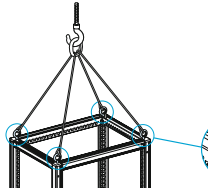
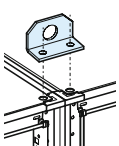
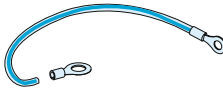

| Mounting                                                                                           | W700                                                                                              |              |              | W300                                                                                               |                           |                           |
|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------|--------------|----------------------------------------------------------------------------------------------------|---------------------------|---------------------------|
|                                                                                                    | <br>DD385545.eps |              |              | <br>DD385546.eps |                           |                           |
| Depth                                                                                              | D500                                                                                              | D600         | D800         | D500 <sup>(1)</sup>                                                                                | D600 <sup>(1)</sup>       | D800 <sup>(1)</sup>       |
| Assembled enclosures<br>H2000<br>Plain door                                                        | NSYSFP20750                                                                                       | NSYSFP20760  | NSYSFP20780  | NSYSF20350                                                                                         | NSYSF20360                | NSYSF20380                |
| Assembled enclosures<br>H2000<br>Glazed door                                                       | NSYSFP20750T                                                                                      | NSYSFP20760T | NSYSFP20780T | -                                                                                                  | -                         | -                         |
| Adapter uprights to install<br>Linergy LGY, LGYE, BS busbar                                        | -                                                                                                 | -            | -            | NSYSFPA                                                                                            | NSYSFPA +<br>NSYSUCR40200 | NSYSFPA +<br>NSYSUCR40200 |
| <br>06502.eps    |                                                                                                   |              |              |                                                                                                    |                           |                           |
| Side panel (Set of 2) <sup>(2)</sup>                                                               | NSY2SP205                                                                                         | NSY2SP206    | NSY2SP208    | NSY2SP205                                                                                          | NSY2SP206                 | NSY2SP208                 |
| <br>DD384425.eps |                                                                                                   |              |              |                                                                                                    |                           |                           |
| Hinged front plate support frame <sup>(3)</sup>                                                    | 08566                                                                                             | 08566        | 08566        | -                                                                                                  | -                         | -                         |
| <br>DD381324.eps |                                                                                                   |              |              |                                                                                                    |                           |                           |

(1) For cables and to install Linergy LGYE, BS busbar.  
 (2) An earthing braid must be installed between the lateral panels and the frame.  
 (3) Reversible for left or right-hand opening.



| Accessories  |                                                                                   |                            |                             |            |            |            |            |            |            |
|--------------|-----------------------------------------------------------------------------------|----------------------------|-----------------------------|------------|------------|------------|------------|------------|------------|
| Width        |                                                                                   | W700                       |                             |            | W300       |            |            |            |            |
| Depth        |                                                                                   | D500                       | D600                        | D800       | D500       | D600       | D800       |            |            |
| DD384428.eps |  | Plinth H100 <sup>(1)</sup> | Front and rear cross-pieces | NSYSPF7100 | NSYSPF7100 | NSYSPF7100 | NSYSPF3100 | NSYSPF3100 | NSYSPF3100 |
|              |                                                                                   |                            | Lateral cross-pieces        | NSYSPS5100 | NSYSPS6100 | NSYSPS8100 | NSYSPS5100 | NSYSPS6100 | NSYSPS8100 |
|              |                                                                                   | Plinth H200 <sup>(1)</sup> | Front and rear cross-pieces | NSYSPF7200 | NSYSPF7200 | NSYSPF7200 | NSYSPF3200 | NSYSPF3200 | NSYSPF3200 |
|              |                                                                                   |                            | Lateral cross-pieces        | NSYSPS5200 | NSYSPS6200 | NSYSPS8200 | NSYSPS5200 | NSYSPS6200 | NSYSPS8200 |
| DD384427.eps |  | Plain gland-plates         | NSYEC751                    | NSYEC761   | NSYEC781   | NSYEC351   | NSYEC651   | NSYEC381   |            |

(1) The plinth is made up of two catalogue numbers: front and rear cross-pieces + lateral cross-pieces.

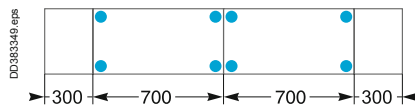
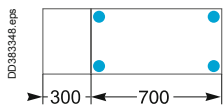
| Other accessories  |                                                                                                                                                                                                                                             |                                                                                                                                             |                                                                                                                          |                                   |                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                  |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                    |                                                                                                                                                            |                                                            |                                         |                                   |                                                                                                                                                                                                                  |                                                                                                                               |
|                    | DD385544.eps                                                                                                                                                                                                                                | DD384440.eps                                                                                                                                | NSYFELB.eps                                                                                                              |                                   | DD3844388.eps                                                                                                                                                                                                                                                                                       | 21716 couple.eps                                                                                                                                                                                                 |
|                    | <b>Coupling kit</b>                                                                                                                                                                                                                         | <b>4 lifting rings</b>                                                                                                                      | <b>4 lifting brackets</b>                                                                                                | <b>Set of 20 screws + M6 nuts</b> | <b>Earthing wire, 6 mm<sup>2</sup></b>                                                                                                                                                                                                                                                              | <b>Earthing braid<sup>(3)</sup></b>                                                                                                                                                                              |
| <b>Description</b> | <ul style="list-style-type: none"> <li>side-by-side combination</li> <li>back-to-back combination<sup>(2)</sup>:                             <ul style="list-style-type: none"> <li>- D500+D500</li> <li>- D800+D500</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>Use a set of lifting rings for each framework<sup>(4)</sup> (W700 mm) containing devices.</li> </ul> | <ul style="list-style-type: none"> <li>When two cubicles with devices have been combined, use a lifting beam.</li> </ul> |                                   | The wire is equipped with a 4 mm diameter lug at one end and a 6 mm diameter lug on the other. The earthing wire is used to earth: <ul style="list-style-type: none"> <li>a door or wicket door with devices</li> <li>a front-plate support frame equipped with switchgear in a cubicle.</li> </ul> | <ul style="list-style-type: none"> <li>For NSYEL166D8: Length 160 mm, Section 6 mm<sup>2</sup>, Terminal 8.3 mm.</li> <li>For NSYEL3525D8: Length 350 mm, Section 25 mm<sup>2</sup>, Terminal 8.3 mm.</li> </ul> |
| <b>Cat. No.</b>    | NSYSFBK19                                                                                                                                                                                                                                   | NSYSFEB                                                                                                                                     | NSYSFELB                                                                                                                 | 06461                             | 08911                                                                                                                                                                                                                                                                                               | NSYEL166D8 / NSYEL3525D8                                                                                                                                                                                         |

(2) Back to back association must be shipped individually and combined during on-site installation.

(3) An earthing braid must be installed between the roof and the frame.

(4) For one framework

For two frameworks

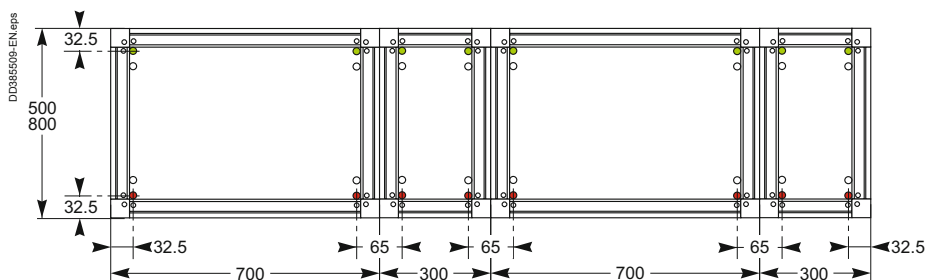


| Seismic application 3G withstand         |        |                                     |                   |                      |                   |
|------------------------------------------|--------|-------------------------------------|-------------------|----------------------|-------------------|
|                                          |        | 1600 A configuration <sup>(1)</sup> |                   | 3200 A configuration |                   |
|                                          |        | Spacial SFP                         | Busbar duct       | Spacial SFP          | Busbar duct       |
| Nominal dimensions                       | Height | 2000                                | 2000              | 2000                 | 2000              |
|                                          | Width  | 700                                 | 300               | 700                  | 300               |
|                                          | Depth  | 500                                 | 500               | 800                  | 800               |
| Additional dummy load (kg)               |        | 350                                 | 350               | 450                  | 450               |
| <b>Seismic plinth H100 mm - Cat. no.</b> |        | <b>NSYS5GPC75</b>                   | <b>NSYS5GPC35</b> | <b>NSYS5GPC78</b>    | <b>NSYS5GPC38</b> |

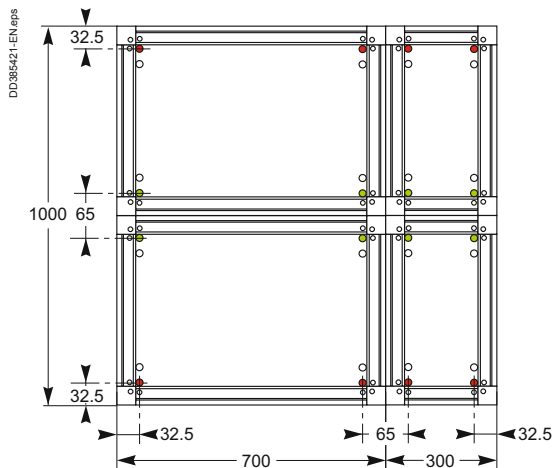
**Note:** incoming by pre-fabricated busbar trunking is forbidden for seismic application.  
**(1)** Not compatible for depth 600 mm.

### Ground fastening

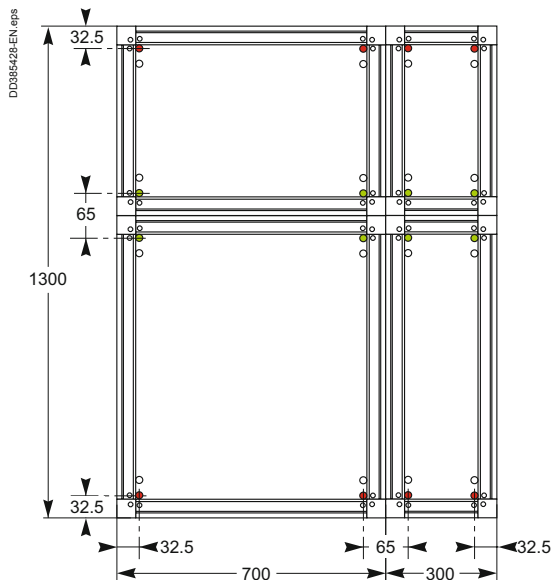
■ Front connection (example: device cubicle W700 mm + compartment W300 mm)



■ Rear connection D1000 (example: device cubicle + compartment D500 + D500 mm)



■ Rear connection D1300 (example: device cubicle + compartment D800 + D500 mm)

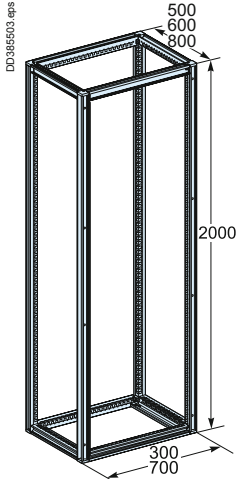


- compulsory fixing point
- optional fixing point

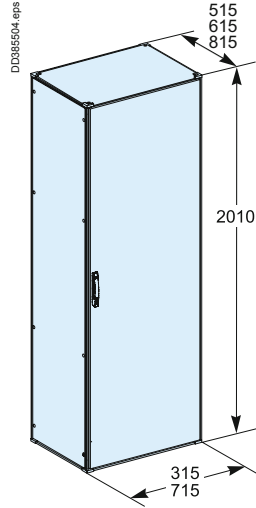
■ 8.8-class screws: screw M10 TH  
 + washers (external Ø 25 mm, thickness 3 mm)  
 + CS contact washers Ø 10 mm.

### Cubicles

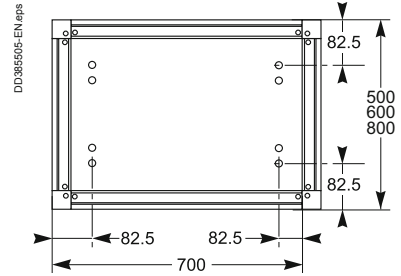
#### Profile



#### Cover panels, plain or transparent door, lateral panels

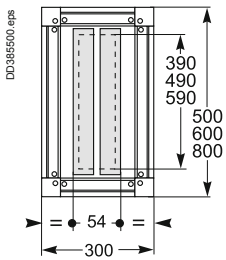


#### Standard plinth

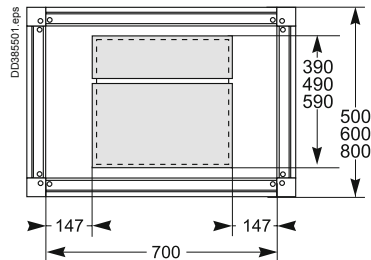


### Gland plates

#### W300

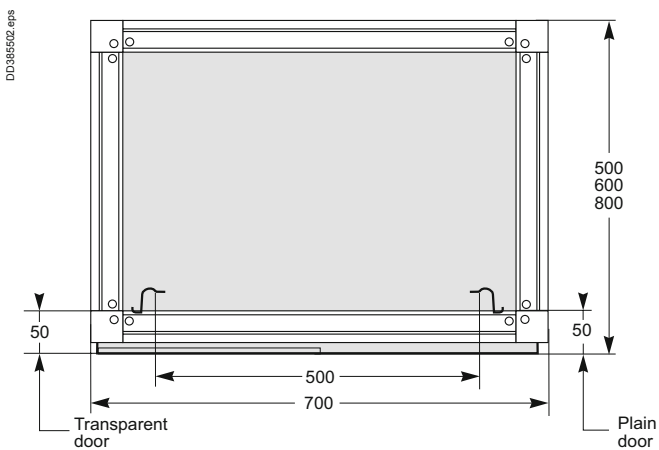


#### W700



### Functional system in Spacial SFP switchboards, cubicle mounting

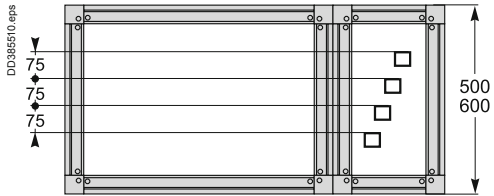
#### D500, D600, D800



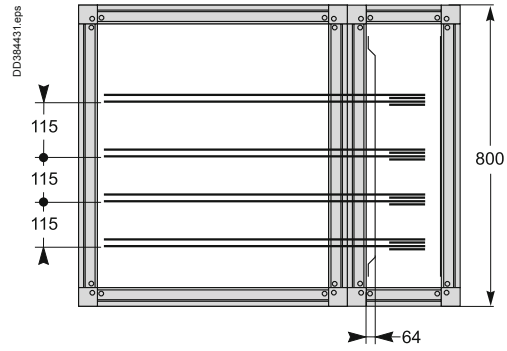
### Ground fastening

#### Busbars mounting, Lateral vertical busbars

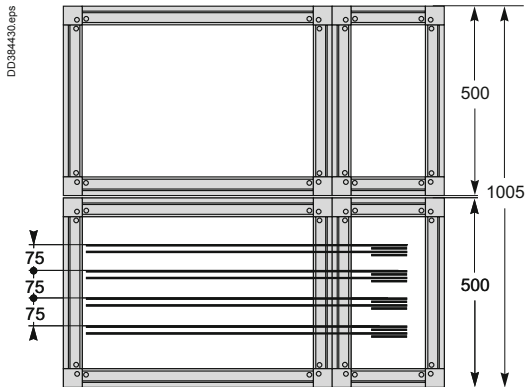
##### 1600 A



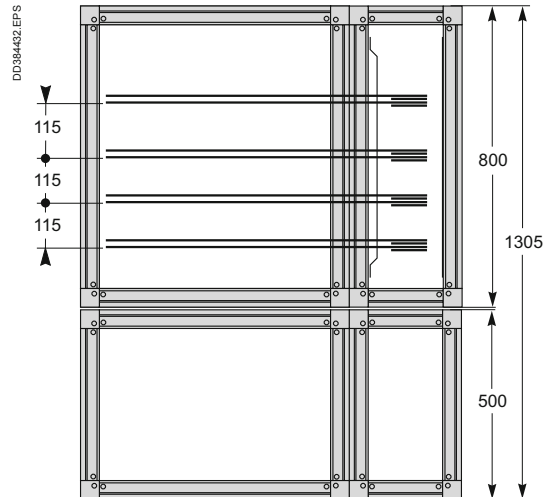
##### 2500 A



##### 2000 A



##### 3200 A





# Enclosures for power distribution (modular)

## Introduction

> The **Spacial S3DM enclosure** for modular distribution can be equipped with:

- a modular chassis (NSYDLM...)
- with cut-out front panels for 24 to 234 modules according to the dimensions and references (see page 248),
- a 6 mm<sup>2</sup> earth connection placed between the body and the door.

The enclosure can be equipped with accessories from the Spacial standard wall-mounting range.

PB500097



S3DM enclosure (standard delivery).

PB500406-30



S3DM enclosure equipped with a DLM modular chassis.

PB500407-32



### Easily removable and reversible door

- With 20 mm return with double thickness granting excellent rigidity, opening to 120°, equipped with 2 or 3 invisible hinges.
- Three locking points for heights of more than 600 mm.
- Perforated rails on the hinge side of the door, with drill holes with a diameter of 4.2 mm in steps of 25 mm.

PB500408-23



### Dedicated accessories

The DLM modular chassis consists of metal cut-out front panels which can clip on with any screws. Rigid structure made from galvanised steel. The depth of the chassis can be adjusted from 40 to 85 mm, between the rail and the front panel, allowing the installation of all types of devices.

For enclosures with a depth of 150 mm, the chassis can be installed at the front or on the backstuds at the rear. It is possible to adjust its depth using the adjustable supports (NSYSDCR type).

It can also be equipped with a plain mounting plate, see page 214.

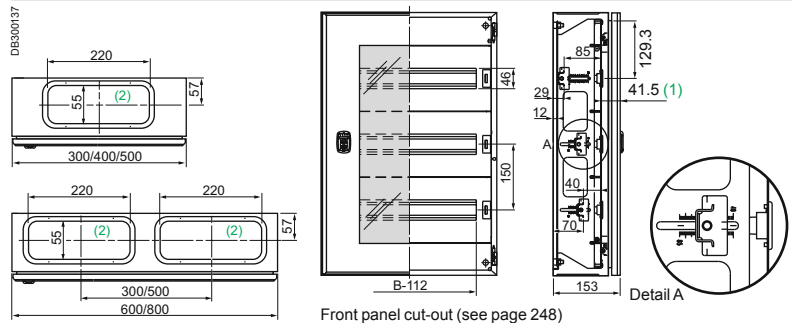
# Enclosures for power distribution (modular)

## Characteristics



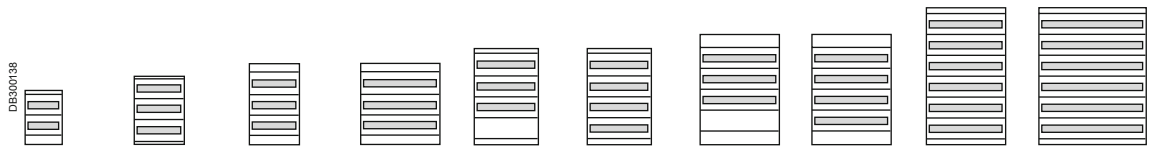
| Characteristics              | Spacial S3DM                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              | <ul style="list-style-type: none"> <li>Single-piece body, folded and welded. Front rail with double sheet thickness, gutter-shaped.</li> <li>4 M8 x 25 mm shouldered backstuds for installing chassis and step slides, leaving a space of 10 mm behind them.</li> <li>Cable-gland plate (245 x 80) at the top and bottom of the enclosure, guaranteeing the maximum access surface (also available in plain door).</li> </ul> |
| Finish                       | Structured finish, polyester powder                                                                                                                                                                                                                                                                                                                                                                                           |
| Colour                       | RAL 7035 grey                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Ingress protection rating    | IP66                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Mechanical protection rating | IK08                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Supply                       | Wall-mounting enclosure supplied with 3 mm double-bar lock as standard                                                                                                                                                                                                                                                                                                                                                        |

| References  |            |            |               |
|-------------|------------|------------|---------------|
| Height (mm) | Width (mm) | Depth (mm) |               |
| 400         | 300        | 150        | NSYS3DM4315T  |
| 500         | 400        | 150        | NSYS3DM5415T  |
| 600         | 400        | 150        | NSYS3DM6415T  |
|             | 600        | 150        | NSYS3DM6615T  |
| 700         | 500        | 150        | NSYS3DM7515T  |
| 800         | 600        | 150        | NSYS3DM8615T  |
| 1000        | 600        | 150        | NSYS3DM10615T |
|             | 800        | 150        | NSYS3DM10815T |



(1) Front face of the modular chassis / front face of the door.  
 (2) Cable-gland plates at the top and bottom of the enclosure.

### Number of modules per chassis\*\* (every 18 mm)



| Chassis reference     | NSYDLM24 | NSYDLM48* | NSYDLM48P* | NSYDLM84P* | NSYDLM66 | NSYDLM88 | NSYDLM84 | NSYDLM112 | NSYDLM168 | NSYDLM240 |
|-----------------------|----------|-----------|------------|------------|----------|----------|----------|-----------|-----------|-----------|
| Enclosure height (mm) | 400      | 500       | 600        | 600        | 700      | 700      | 800      | 800       | 1000      | 1000      |
| Enclosure width (mm)  | 300      | 400       | 400        | 600        | 500      | 500      | 600      | 600       | 600       | 800       |
| Number of rows        | 2        | 3         | 3          | 3          | 3        | 4        | 3        | 4         | 6         | 6         |
| Modules per row       | 12       | 16        | 16         | 28         | 22       | 22       | 28       | 28        | 28        | 39        |
| Total n° of modules   | 24       | 48        | 48         | 84         | 66       | 88       | 84       | 112       | 168       | 234       |

\* References **NSYDLM48**, **NSYDLM48P** and **NSYDLM84P**, the central row cannot receive modules at the height of the lock (check our technical instructions) when installed at the front of the enclosure. In this case, 1 module is sealed up.

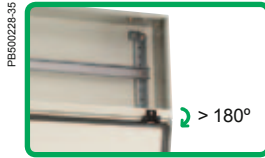
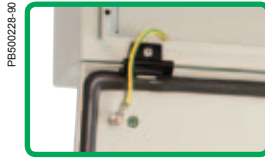
\*\* DLM modular chassis, see page 248.

The provided dimensions are with the modular chassis, which is the most commonly used accessory with this enclosure.

# Enclosures for power distribution (terminal blocks)

## Introduction

➤ The **Spacial S3DB enclosure** is made to be equipped with terminal blocks. It is ready to be equipped with a ladder mounting plate and a symmetrical DIN rail (to be ordered separately). The body does not have cable gland opening. The **Spacial S3DB enclosure** is the ideal coupling enclosure with FL21 cut-out.

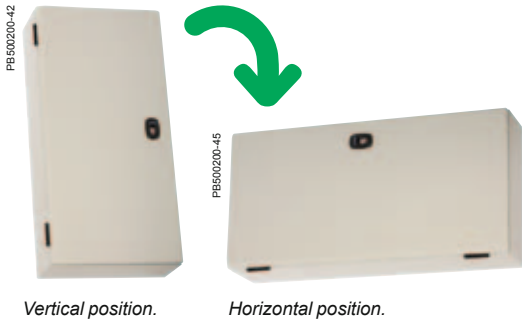


### Safety

Welding studs on door and body (earth cables to be ordered separately).

### Smart

Example of installation with the ladder mounting plate.



Vertical position.

Horizontal position.





# Enclosures for power distribution (terminal blocks)

## Characteristics



| Characteristics              | Spacial S3DB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Spacial S3DBFL*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                     |                      |                      |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------------|----------------------|
|                              | <p><b>Body</b><br/>Single-piece body, folded and welded. Front rail with double sheet thickness, guttershaped.<br/> <ul style="list-style-type: none"> <li>■ Depth 150 mm.</li> </ul>                     The terminal enclosure can be installed vertically (the width becomes the height).<br/> <ul style="list-style-type: none"> <li>■ Wall-mounting directly or by means of fixing lugs (to be ordered separately).</li> <li>■ 4 M8 x 25 shouldered backstuds.</li> <li>■ Body without cable-gland openings.</li> </ul> </p> <p><b>Door</b><br/> <ul style="list-style-type: none"> <li>■ Easily removable and reversible door, with 20-mm return with double sheet thickness granting excellent rigidity; equipped with 2 hinges opening to 180°.</li> <li>■ Door opening to more than 180° for maximum accessibility (the door comes to rest on the body of the enclosure in top position).</li> <li>■ Maximum acceptable load on the door: 20 kg/m<sup>2</sup>.</li> <li>■ Wall-mounting enclosure supplied with 3-mm double-bar lock as standard.</li> <li>■ M6 x 16 earthing screw for equipotential connection between the door and the body of the enclosure.</li> </ul> </p> <p><b>Dedicated accessories</b><br/>The terminal enclosure, with a depth of 150 mm, can be equipped:<br/> <ul style="list-style-type: none"> <li>■ With 2 rails to be installed on the 4 M8 x 25 shouldered backstuds.</li> <li>■ With a symmetrical rail to be installed on the rails.</li> <li>■ With a 6-mm<sup>2</sup> earth braid to be placed between the body and the door.</li> </ul>                     It can also be equipped with a plain mounting plate, see page 214.</p> | <p><b>Body</b><br/>Single-piece body, folded and welded. Front rail with double sheet thickness, guttershaped.<br/> <ul style="list-style-type: none"> <li>■ Wall-mounting directly or by means of fixing lugs (to be ordered separately).</li> <li>■ 4 M8 x 25 shouldered backstuds.</li> <li>■ Body with FL21-type cable-gland opening on the bottom of the enclosure (blanking plate ref. <b>NSYAECPFLBP</b> to be ordered separately).</li> </ul> </p> <p><b>Door</b><br/> <ul style="list-style-type: none"> <li>■ Easily removable and reversible door, with 20-mm return with double sheet thickness granting excellent rigidity; equipped with 2 hinges opening to 120°.</li> <li>■ Door opening to more than 120° for maximum accessibility (the door comes to rest on the body of the enclosure in top position).</li> <li>■ Maximum acceptable load on the door: 50 kg/m<sup>2</sup>.</li> <li>■ Wall-mounting enclosure supplied with 3-mm double-bar lock as standard.</li> <li>■ M6 x 16 earthing screw for equipotential connection between the door and the body of the enclosure.</li> </ul> </p> <p><b>Dedicated accessories</b><br/>The terminal enclosure, with a depth of 170 mm, be equipped:<br/> <ul style="list-style-type: none"> <li>■ With 2 rails to be installed on the 4 M8 x 25 shouldered backstuds.</li> <li>■ With a symmetrical rail to be installed on the rails.</li> <li>■ With a 6-mm<sup>2</sup> earth connection to be placed between the body and the door.</li> </ul>                     It can also be equipped with a plain mounting plate, see page 214.</p> |                     |                      |                      |
| Finish                       | Structured finish, epoxy-polyester powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Structured finish, epoxy-polyester powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                      |                      |
| Colour                       | RAL 7035 grey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | RAL 7035 grey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     |                      |                      |
| Ingress protection rating    | IP66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | IP65 (with membrane mounted)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                     |                      |                      |
| Mechanical protection rating | IK10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | IK10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |                      |                      |
| <b>References</b>            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                     |                      |                      |
| <b>Height (mm)</b>           | <b>Width (mm)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Depth (mm)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                     |                      |                      |
| 250                          | 300                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>NSYS3DB25315</b> | -                    |                      |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>NSYS3DB25415</b> | -                    |                      |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>NSYS3DB25515</b> | -                    |                      |
| 300                          | 300                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>NSYS3DB3315</b>  | -                    |                      |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 170                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -                   | <b>NSYS3DBFL3317</b> |                      |
|                              | 400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>NSYS3DB3415</b>  | -                    |                      |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 170                 | -                    | <b>NSYS3DBFL3417</b> |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 150                 | <b>NSYS3DB3515</b>   | -                    |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 150                 | <b>NSYS3DB3615</b>   | -                    |
| 400                          | 300                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>NSYS3DB4315</b>  | -                    |                      |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 170                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -                   | <b>NSYS3DBFL4317</b> |                      |
|                              | 800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>NSYS3DB4815</b>  | -                    |                      |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYS3DB5415</b>  | -                    |                      |
| 500                          | 400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>NSYS3DB5415</b>  | -                    |                      |
| 600                          | 400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>NSYS3DB6415</b>  | -                    |                      |

\* This range is completed by the Spacial S3DB.

# Enclosures for power distribution (terminal blocks)

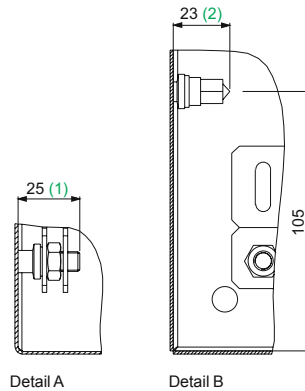
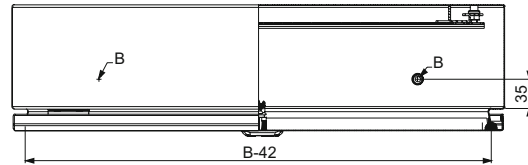
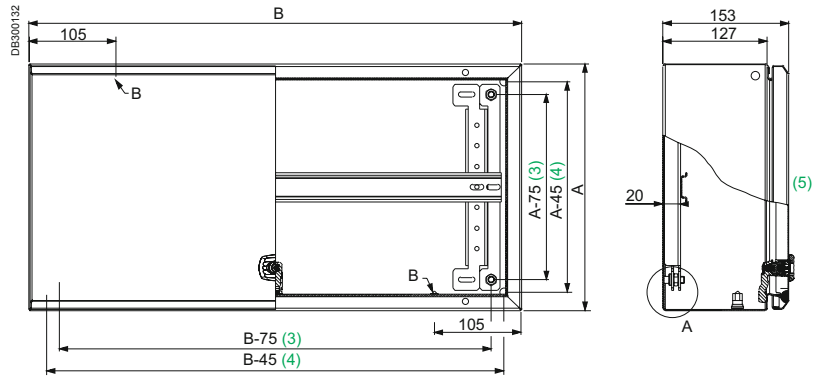
## Dimensions

### Spacial S3DB

A: Enclosure height  
 B: Enclosure width  
 C: Enclosure depth

- (1) With ladder mounting plate installed.
- (2) M6 x 17.5 mm earthing stud.
- (3) Stud centre-to-centre distance.
- (4) Centre-to-centre distance of the holes for direct fixing.
- (5) Drop-leaf door.

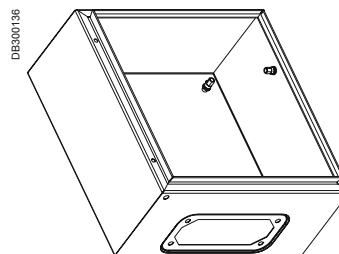
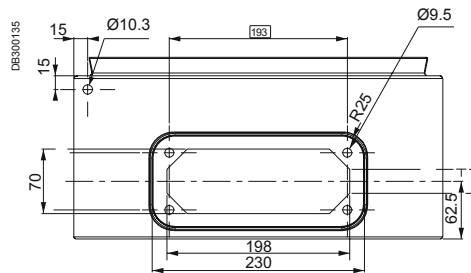
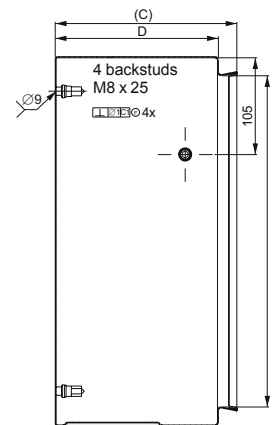
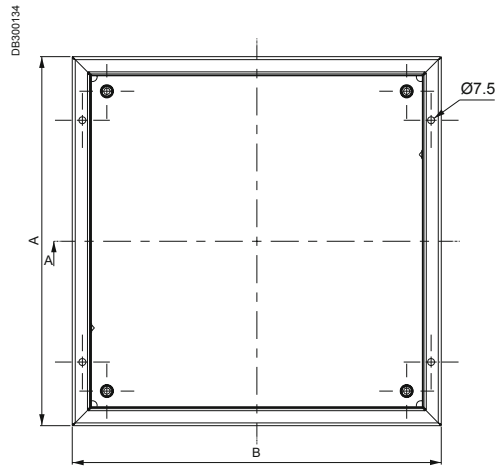
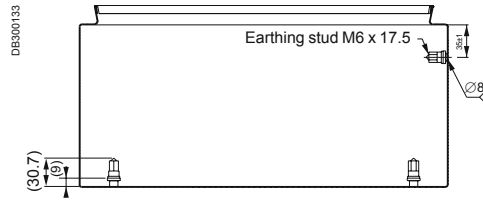
The provided dimensions are with the ladder mounting plate, which is the most commonly used accessory with this enclosure.



# Enclosures for power distribution (terminal blocks)

## Dimensions

### Spacial S3DBFL



**New**

➤ Thalassa PHD is suitable for outdoor public areas thanks to its multiple virtues:

- pressure and shock resistant (IEC 61439-5: 2010),
- anti-posting thanks to its special ribbed-surface door,
- insulated (ready to be Class II according to IEC 61439-1: 2011).



➤ Spacial S3HD and SFHD are designed for outdoor private areas. They are engineered to resist aggressive environments (anti-corrosion certification class C4H, ISO 12944:1999).



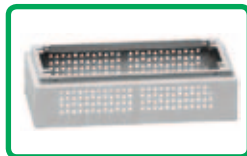
PB502611-34



### Tough

PHD: Heavy Duty polyester reinforced with a double layer of fiberglass. Ultra-resistant, anti-vandalism.

PB502673-29



### Heavy Duty accessories

Dedicated accessories to resist outdoor, harsh environments: the all-new, slim fanbox (see page 336 and 338).

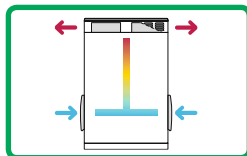
PB502648-11



### Simplicity

Installation simplified: easy to be lifted with up to 1000 kg-loaded equipment. HD lifting accessories also available.

DB300824-120



### Thermal management solutions

3 ventilation architectures studied to help protect the equipment installed inside from overheating and humidity.

PB502662-30



### Fully equipped

Standard, pre-installed equipment includes:

- a curved canopy to avoid water stagnation
- a door retainer to keep the door open even with strong wind or when a vehicle passes by
- an aluminium cable gland plate to easily drill holes and avoid corrosion
- a document pocket to stock your documents in a practical place.

PB502670-29



### Upper ventilation module

The newly engineered roof ventilation accessory helps to prevent creation of condensation (one of the causes of corrosion).

PB502674-25



### Anti-vandalism

PHD and SFHD: the handle with keylock and additional padlock hole (padlock not included) helps to secure the equipment inside. It is standard equipment.

**This range can be configured according to your needs**

4 different services available:



Assemble to order



Mounting of standard accessories



Painting



Machining

See page 450 for details or consult our web site [www.schneider-electric.com](http://www.schneider-electric.com)

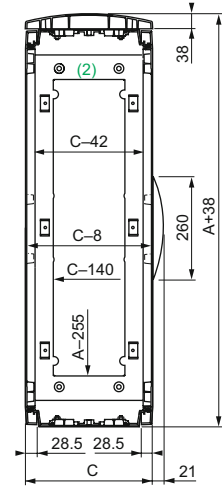
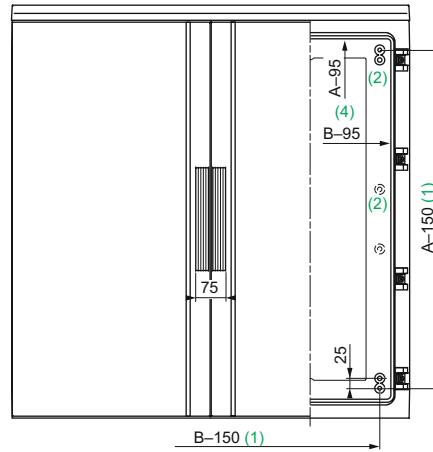
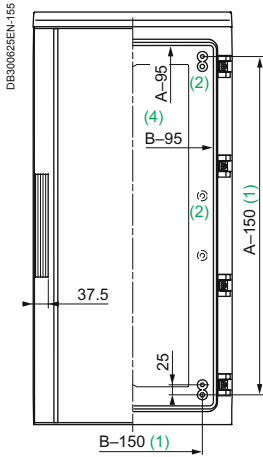
New



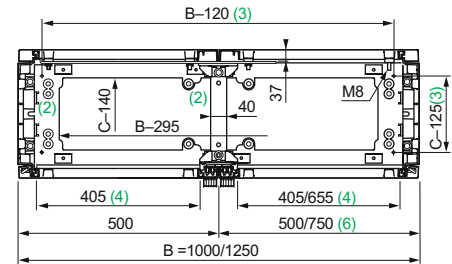
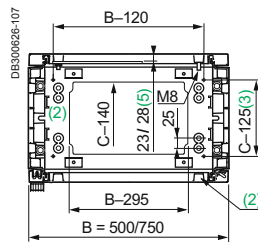
| Characteristics              | Polyester outdoor Heavy Duty enclosures                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                           | Steel outdoor Heavy Duty enclosures                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                              |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              | Wall-mounting enclosure                                                                                                                                                                                                                                                                                | Floor-standing enclosure                                                                                                                                                                                                                                                                                  | Wall-mounting enclosure                                                                                                                                                                                                                                                              | Floor-standing enclosure                                                                                                                                                                                                                                     |
|                              | Outdoor Heavy Duty (HD) enclosures made of polyester insulating material. Suitable to be installed in public areas thanks to its features: <ul style="list-style-type: none"> <li>■ anti-pressure and shock resistant</li> <li>■ anti-posting</li> <li>■ insulated.</li> </ul>                         |                                                                                                                                                                                                                                                                                                           | Outdoor Heavy Duty (HD) enclosures made of coated steel. Suitable to be installed in private areas with harsh environments thanks to its capacity to resist: <ul style="list-style-type: none"> <li>■ corrosion (up to C4H level according ISO 12944:1999)</li> <li>■ UV.</li> </ul> |                                                                                                                                                                                                                                                              |
| Material                     | HD Polyester reinforced with a double layer of fiberglass                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                           | HD steel with anti-corrosive coating                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                              |
| Finish                       | -                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                           | Structured finish, 100 % polyester powder                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                              |
| Colour                       | RAL 7035 grey                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                           | RAL 7035 grey                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                              |
| Conditions of use            | Outdoor and/or harsh environments                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                           | Outdoor and/or harsh environments                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                              |
| Ingress protection rating    | IP65                                                                                                                                                                                                                                                                                                   | IP55                                                                                                                                                                                                                                                                                                      | IP66                                                                                                                                                                                                                                                                                 | IP55                                                                                                                                                                                                                                                         |
| Mechanical protection rating | IK10                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                           | IK10                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                              |
| Standards                    | IEC 61439-5: 2010, IEC 62208: 2011, IEC 61439-1: 2011, IEC 61969-3: 2011, IEC 60297-3-100: 2009                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                           | IEC 61439-5: 2010, IEC 62208: 2011, IEC 61969-3: 2011, IEC 60297-3-100: 2009, ISO 12.944: 1999 (C4H)                                                                                                                                                                                 |                                                                                                                                                                                                                                                              |
| Certifications               | See table page 344                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                           | See table page 344                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                              |
| Fixing                       | On wall by means of optional wall fixing accessory                                                                                                                                                                                                                                                     | 2 options for installation on floor: <ul style="list-style-type: none"> <li>■ with floor fixing kit <b>NSYMF2PLAZ4</b> or <b>NSYMF2PLAZ6</b> for integrated plinth (50 mm)</li> <li>■ with additional ZZ plinths (ventilated or non-ventilated) available as accessory (200 mm) (see page 337)</li> </ul> | <ul style="list-style-type: none"> <li>■ On wall by means of optional stainless steel wall fixing lugs</li> <li>■ On post by means of optional HD post-fixing device</li> </ul>                                                                                                      | <ul style="list-style-type: none"> <li>■ Directly on floor by means of optional plinth (see page 339)</li> </ul>                                                                                                                                             |
| Maximum transportable load   | 500 kg                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                           | 200 kg                                                                                                                                                                                                                                                                               | 1000 kg                                                                                                                                                                                                                                                      |
| Other characteristics        | <ul style="list-style-type: none"> <li>■ Fire resistant (EN 1794-2:2011)</li> <li>■ Lifting possible from top with eyebolt accessory</li> <li>■ New dedicated ventilation solutions to be integrated in roof, lateral or plinth. 3 ventilation architectures proposed (see page 342 et 343)</li> </ul> |                                                                                                                                                                                                                                                                                                           | New dedicated ventilation solutions to be integrated in roof, side or plinth                                                                                                                                                                                                         | New dedicated ventilation solutions to be integrated in roof, side or plinth                                                                                                                                                                                 |
| Options                      | Plain door or ribbed door                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                           | -                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                              |
| Supply                       | <ul style="list-style-type: none"> <li>■ Curved canopy</li> <li>■ Handle with keylock (1242E type) and padlock</li> <li>■ Door retainer</li> <li>■ Plastic document pocket (A4 size)</li> </ul>                                                                                                        | <ul style="list-style-type: none"> <li>■ Curved canopy</li> <li>■ Integrated plinth</li> <li>■ Handle with keylock (1242E type) and padlock</li> <li>■ Aluminium cable gland plate</li> <li>■ Door retainer</li> <li>■ Plastic document pocket (A4 size)</li> </ul>                                       | <ul style="list-style-type: none"> <li>■ Curved canopy</li> <li>■ 3-mm double-bar lock</li> <li>■ Plastic document pocket (A4 size)</li> <li>■ Door retainer</li> <li>■ Aluminium cable gland plate</li> </ul>                                                                       | <ul style="list-style-type: none"> <li>■ Curved canopy</li> <li>■ Rear panel</li> <li>■ Handle with keylock (1242E type) and padlock</li> <li>■ Aluminium cable gland plate</li> <li>■ Door retainer</li> <li>■ Plastic document pocket (A4 size)</li> </ul> |

New

## Enclosure with ventilated canopy

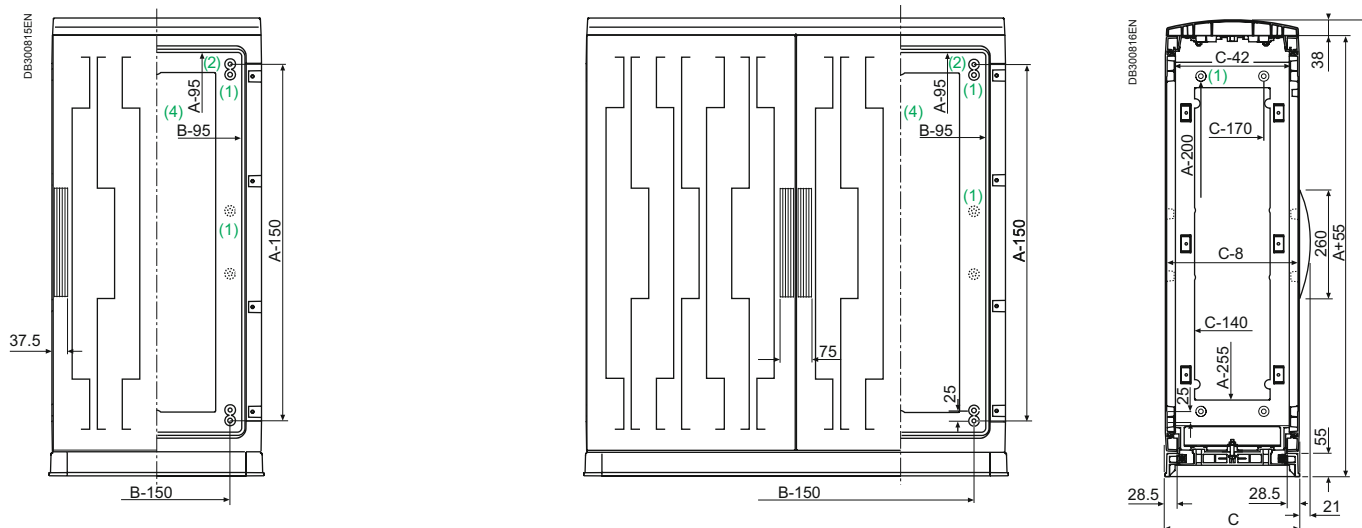


## Common top views

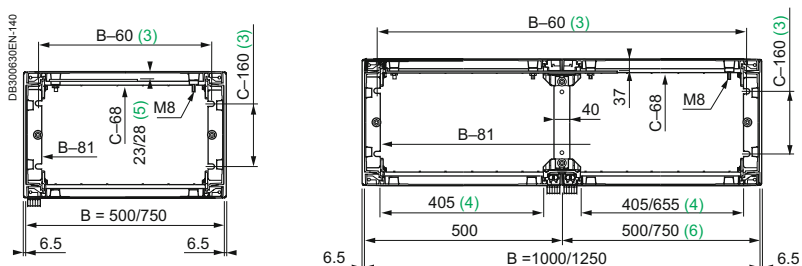


New

## Enclosure with ventilated canopy and plinth-type open bottom part



## Common top views



- (1) 4 bosses with M8 inserts and studs for direct fixing of mounting plates.
- (2) Bosses designed to accommodate M8 inserts, ref. **NSYTEX8**. They are placed:
  - On the back of the enclosure, from the height of 1000 mm. They allow the fixing of partial mounting plates and assorted equipment.
  - On the top and bottom parts of the enclosure. They are used for fixing the step slides, an internal door, 19" chassis, etc.
- (3) Dimensions for fixing on the floor or on a plinth.
- (4) Entry dimensions, door open.
- (5) Dimension of 28 mm for enclosures with heights of more than 1000 mm (height after the installation of the plain mounting plates with reinforcement foldings).
- (6) With a width of 1250 mm in standard supply, 500-mm door on the left and 750-mm door on the right.

New

### Polyester outdoor HD enclosures



| Characteristics | Polyester enclosure |            | Eyebolts                                                                                     | Wall fixing accessory                                                                                                            | Floor fixing kit                                                                                                                                                                                         |
|-----------------|---------------------|------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | Anti-posting door   | Plain door |                                                                                              |                                                                                                                                  |                                                                                                                                                                                                          |
|                 |                     |            | Top lifting accessory for polyester outdoor Heavy Duty enclosure.<br>■ Maximum load: 500 kg. | Wall fixing support for polyester outdoor Heavy Duty enclosure. No change in ingress protection rate.<br>■ Maximum load: 180 kg. | To fix the enclosure on the floor in a correct way.<br>■ Certification:<br>□ Class II insulation following IEC 61439-1<br>□ IP55 following IEC 50529<br>□ Infrastructure standard following IEC 61439-5. |
| Material        |                     |            | Galvanised cast steel                                                                        | Steel                                                                                                                            | Steel                                                                                                                                                                                                    |
| Finish          |                     |            | -                                                                                            | Anti-corrosive coating                                                                                                           | Insulating coating                                                                                                                                                                                       |
| Colour          |                     |            | -                                                                                            | -                                                                                                                                | -                                                                                                                                                                                                        |
| Installation    |                     |            | -                                                                                            | -                                                                                                                                | On dry concrete                                                                                                                                                                                          |

| Supply      |            |            |              | References |
|-------------|------------|------------|--------------|------------|
| Height (mm) | Width (mm) | Depth (mm) | No. of doors |            |
|             |            |            |              | 4          |
|             |            |            |              | 4          |
|             |            |            |              | 1          |

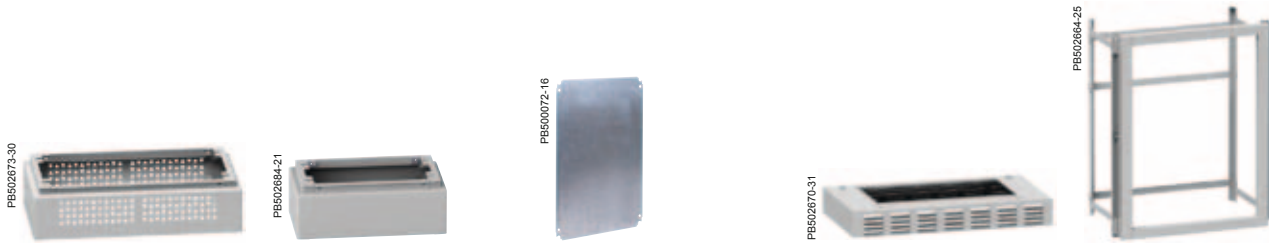
| Wall-mounting enclosure |     |     |   |            |             |   |          |
|-------------------------|-----|-----|---|------------|-------------|---|----------|
| 538                     | 500 | 320 | 1 | NSYPHDT553 | NSYPHDT553P | - | NSYFMPHD |
| 788                     | 500 | 320 | 1 | NSYPHDT753 | NSYPHDT753P | - | NSYFMPHD |





| Floor-standing enclosure |      |     |    |               |                |         |             |
|--------------------------|------|-----|----|---------------|----------------|---------|-------------|
| 843                      | 750  | 420 | 1  | NSYPHDZT774   | NSYPHDZT774P   | NSYPLHD | NSYMF2PLAZ4 |
|                          | 750  | 620 | 1  | NSYPHDZT776   | NSYPHDZT776P   | NSYPLHD | NSYMF2PLAZ6 |
| 1093                     | 500  | 420 | 1  | NSYPHDZT1054  | NSYPHDZT1054P  | NSYPLHD | NSYMF2PLAZ4 |
|                          | 750  | 420 | 1  | NSYPHDZT1074  | NSYPHDZT1074P  | NSYPLHD | NSYMF2PLAZ4 |
| 1343                     | 500  | 420 | 1  | NSYPHDZT1254  | NSYPHDZT1254P  | NSYPLHD | NSYMF2PLAZ4 |
|                          |      | 420 | 1  | NSYPHDZT1274  | NSYPHDZT1274P  | NSYPLHD | NSYMF2PLAZ4 |
|                          |      | 620 | 1  | NSYPHDZT1276  | NSYPHDZT1276P  | NSYPLHD | NSYMF2PLAZ6 |
|                          | 1250 | 420 | 2  | NSYPHDZT12124 | NSYPHDZT12124P | NSYPLHD | NSYMF2PLAZ4 |
|                          |      | 620 | 2  | NSYPHDZT12126 | NSYPHDZT12126P | NSYPLHD | NSYMF2PLAZ6 |
|                          |      | 620 | 2  | NSYPHDZT12126 | NSYPHDZT12126P | NSYPLHD | NSYMF2PLAZ6 |
| 1593                     | 750  | 420 | 1  | NSYPHDZT1574  | NSYPHDZT1574P  | NSYPLHD | NSYMF2PLAZ4 |
|                          |      | 620 | 1  | NSYPHDZT1576  | NSYPHDZT1576P  | NSYPLHD | NSYMF2PLAZ6 |
|                          | 1250 | 420 | 2  | NSYPHDZT15124 | NSYPHDZT15124P | NSYPLHD | NSYMF2PLAZ4 |
|                          |      | 620 | 2  | NSYPHDZT15126 | NSYPHDZT15126P | NSYPLHD | NSYMF2PLAZ6 |
| 2093                     | 750  | 420 | 2* | NSYPHDZT2074  | NSYPHDZT2074P  | NSYPLHD | NSYMF2PLAZ4 |



\* Vertical doors.

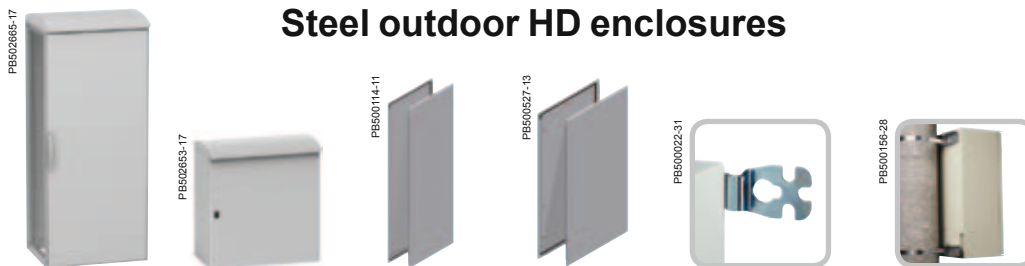




| Ventilated ZZ plinths 200 mm**                                                              | ZZ plinth 200 mm**                                                                                                                                              | Plain mounting plate                                                                                                                                                                                                                                                                              | Roof ventilation module                                                                               | Anti-burglary accessory                                                                                                                                                 |
|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Height: 200 mm. The front parts cannot be removed. Includes a polyester anti-insect filter. | Height: 200 mm. The front parts cannot be removed. It is provided with one or two reinforcement cross-rails, adjustable to adapt to the position of the cables. | The enclosures with height of $\geq 1000$ mm have intermediate impressions for installing mounting plates of a lesser height (M8 inserts, ref. <b>NSYTEX8</b> , to be ordered separately).                                                                                                        | Ventilation module to enable airing from the top of the enclosure (H = 95 mm) with insect protection. | Anti-burglary accessory for polyester outdoor Heavy Duty in accordance with ENV 1627-1630:2011 class 2. It keeps the Insulation Class II according to IEC 61439-1:2011. |
| Ultra-reinforced polyester                                                                  | Ultra-reinforced polyester                                                                                                                                      | Galvanised sheet-steel                                                                                                                                                                                                                                                                            | Steel with anti-corrosive coating                                                                     | Steel with anti-corrosive coating                                                                                                                                       |
| -                                                                                           | -                                                                                                                                                               | -                                                                                                                                                                                                                                                                                                 | Structured finish, 100 % polyester powder                                                             | Structured finish, 100 % polyester powder                                                                                                                               |
| RAL 7035 grey                                                                               | RAL 7035 grey                                                                                                                                                   | -                                                                                                                                                                                                                                                                                                 | RAL 7035 grey                                                                                         | RAL 7035 grey                                                                                                                                                           |
| -                                                                                           | -                                                                                                                                                               | <ul style="list-style-type: none"> <li>■ Direct installation on M8 inserts at the rear of the enclosure or on step slides for depth adjustment (see page 202)</li> <li>■ In the 2-door enclosures, it is possible to install 1 complete mounting plate or 2 individual mounting plates</li> </ul> | -                                                                                                     | Easy installation on the outside of the enclosure                                                                                                                       |
| 1                                                                                           | 1                                                                                                                                                               | 1                                                                                                                                                                                                                                                                                                 | 1                                                                                                     | 1                                                                                                                                                                       |
| -                                                                                           | -                                                                                                                                                               | <b>NSYPMM55</b>                                                                                                                                                                                                                                                                                   | -                                                                                                     | -                                                                                                                                                                       |
| -                                                                                           | -                                                                                                                                                               | <b>NSYPMM75</b>                                                                                                                                                                                                                                                                                   | -                                                                                                     | -                                                                                                                                                                       |
| <b>NSYZZ274VHD</b>                                                                          | <b>NSYZZ274G</b>                                                                                                                                                | <b>NSYPMM77</b>                                                                                                                                                                                                                                                                                   | <b>NSYPCVR74HD</b>                                                                                    | <b>NSYBGN774HD</b>                                                                                                                                                      |
| <b>NSYZZ276VHD</b>                                                                          | <b>NSYZZ276G</b>                                                                                                                                                | <b>NSYPMM77</b>                                                                                                                                                                                                                                                                                   | <b>NSYPCVR76HD</b>                                                                                    | <b>NSYBGN776HD</b>                                                                                                                                                      |
| <b>NSYZZ254VHD</b>                                                                          | <b>NSYZZ254G</b>                                                                                                                                                | <b>NSYPMM105</b>                                                                                                                                                                                                                                                                                  | <b>NSYPCVR54HD</b>                                                                                    | <b>NSYBGN1054HD</b>                                                                                                                                                     |
| <b>NSYZZ274VHD</b>                                                                          | <b>NSYZZ274G</b>                                                                                                                                                | <b>NSYPMM107</b>                                                                                                                                                                                                                                                                                  | <b>NSYPCVR74HD</b>                                                                                    | <b>NSYBGN1074HD</b>                                                                                                                                                     |
| <b>NSYZZ254VHD</b>                                                                          | <b>NSYZZ254G</b>                                                                                                                                                | <b>NSYPMM125</b>                                                                                                                                                                                                                                                                                  | <b>NSYPCVR54HD</b>                                                                                    | <b>NSYBGN1254HD</b>                                                                                                                                                     |
| <b>NSYZZ274VHD</b>                                                                          | <b>NSYZZ274G</b>                                                                                                                                                | <b>NSYPMM127</b>                                                                                                                                                                                                                                                                                  | <b>NSYPCVR74HD</b>                                                                                    | <b>NSYBGN1274HD</b>                                                                                                                                                     |
| <b>NSYZZ276VHD</b>                                                                          | <b>NSYZZ276G</b>                                                                                                                                                | <b>NSYPMM127</b>                                                                                                                                                                                                                                                                                  | <b>NSYPCVR76HD</b>                                                                                    | <b>NSYBGN1276HD</b>                                                                                                                                                     |
| <b>NSYZZ2124VHD</b>                                                                         | <b>NSYZZ2124G</b>                                                                                                                                               | <b>NSYPMM1212</b>                                                                                                                                                                                                                                                                                 | <b>NSYPCVR124HD</b>                                                                                   | <b>NSYBGN12124HD</b>                                                                                                                                                    |
| <b>NSYZZ2126VHD</b>                                                                         | <b>NSYZZ2126G</b>                                                                                                                                               | <b>NSYPMM1212</b>                                                                                                                                                                                                                                                                                 | <b>NSYPCVR126HD</b>                                                                                   | <b>NSYBGN12126HD</b>                                                                                                                                                    |
| <b>NSYZZ274VHD</b>                                                                          | <b>NSYZZ274G</b>                                                                                                                                                | <b>NSYPMM157</b>                                                                                                                                                                                                                                                                                  | <b>NSYPCVR74HD</b>                                                                                    | <b>NSYBGN1574HD</b>                                                                                                                                                     |
| <b>NSYZZ276VHD</b>                                                                          | <b>NSYZZ276G</b>                                                                                                                                                | <b>NSYPMM157</b>                                                                                                                                                                                                                                                                                  | <b>NSYPCVR76HD</b>                                                                                    | <b>NSYBGN1576HD</b>                                                                                                                                                     |
| <b>NSYZZ2124VHD</b>                                                                         | <b>NSYZZ2124G</b>                                                                                                                                               | <b>NSYPMM1512</b>                                                                                                                                                                                                                                                                                 | <b>NSYPCVR124HD</b>                                                                                   | <b>NSYBGN15124HD</b>                                                                                                                                                    |
| <b>NSYZZ2126VHD</b>                                                                         | <b>NSYZZ2126G</b>                                                                                                                                               | <b>NSYPMM1512</b>                                                                                                                                                                                                                                                                                 | <b>NSYPCVR126HD</b>                                                                                   | <b>NSYBGN15126HD</b>                                                                                                                                                    |
| <b>NSYZZ274VHD</b>                                                                          | <b>NSYZZ274G</b>                                                                                                                                                | <b>NSYPMM207</b> or<br><b>2 x NSYPMM107</b>                                                                                                                                                                                                                                                       | <b>NSYPCVR74HD</b>                                                                                    | <b>NSYBGN2074HD</b>                                                                                                                                                     |
|          |                                                                              |                                                                                                                                                                                                                                                                                                   |                   |                                                                                    |

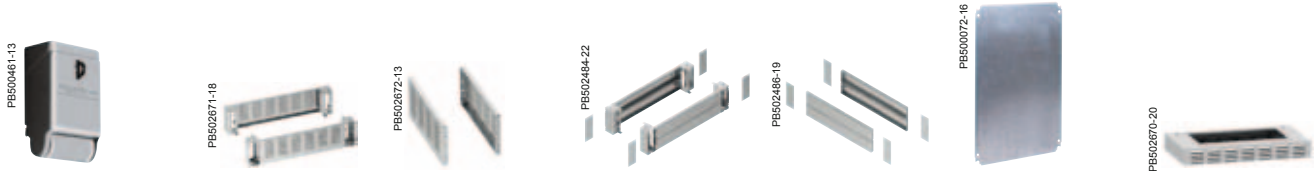
\*\* The coupling kit NSYMUPLA\*\*\* is not applicable for enclosures using ZZ or ZH type plinths.

New



### Steel outdoor HD enclosures

| Characteristics                 |            |            | Steel enclosure | Side panels                                           |                 | Stainless steel wall fixing lugs                                                                                | Heavy duty post-fixing device                                                                      |
|---------------------------------|------------|------------|-----------------|-------------------------------------------------------|-----------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
|                                 |            |            |                 | For floor-standing enclosures                         |                 | For wall-mounting enclosures                                                                                    |                                                                                                    |
|                                 |            |            |                 | Side panel fixing for SFHD.                           |                 | Horizontal position only. Do not use for dynamic loads. It brings 10 mm separations between enclosure and wall. | Rail fixed on the inserts in the rear of the enclosure with 8-mm screws.                           |
| Material                        |            |            |                 | Steel with anti-corrosive coating                     |                 | Stainless-steel AISI 304L                                                                                       | Steel                                                                                              |
| Finish                          |            |            |                 | Structured finish, 100 % polyester powder             |                 | -                                                                                                               | Anti-corrosive coating                                                                             |
| Colour                          |            |            |                 | RAL 7035 grey                                         |                 | -                                                                                                               | -                                                                                                  |
| Installation                    |            |            |                 | -                                                     |                 | Mounted directly on the rear of the enclosure, in horizontal position                                           | On posts with a max. circumference of 675 mm (minimum diameter 150 mm and maximum diameter 215 mm) |
| Maximum load                    |            |            |                 | -                                                     |                 | 150 kg                                                                                                          | 100 kg                                                                                             |
| Supply                          |            |            |                 | 2 side panels with fixing elements and sealing gasket |                 | Set of 4 wall-fixing lugs with fixings and gasket                                                               | 1                                                                                                  |
| Height (mm)                     | Width (mm) | Depth (mm) |                 | External fixing                                       | Internal fixing |                                                                                                                 |                                                                                                    |
| <b>Wall-mounting enclosure</b>  |            |            |                 |                                                       |                 |                                                                                                                 |                                                                                                    |
| 343                             | 200        | 180        | NSYS3HD3215     | -                                                     | -               | NSYAEFPFXSC                                                                                                     | -                                                                                                  |
| 448                             | 300        | 230        | NSYS3HD4320     | -                                                     | -               | NSYAEFPFXSC                                                                                                     | NSYSFPSC30HD                                                                                       |
| 548                             | 400        | 230        | NSYS3HD5420     | -                                                     | -               | NSYAEFPFXSC                                                                                                     | NSYSFPSC40HD                                                                                       |
| 653                             | 400        | 280        | NSYS3HD6425     | -                                                     | -               | NSYAEFPFXSC                                                                                                     | NSYSFPSC40HD                                                                                       |
| 658                             | 600        | 330        | NSYS3HD6630     | -                                                     | -               | NSYAEFPFXSC                                                                                                     | NSYSFPSC60HD                                                                                       |
| 753                             | 500        | 280        | NSYS3HD7525     | -                                                     | -               | NSYAEFPFXSC                                                                                                     | NSYSFPSC50HD                                                                                       |
| 858                             | 600        | 330        | NSYS3HD8630     | -                                                     | -               | NSYAEFPFXSC                                                                                                     | NSYSFPSC60HD                                                                                       |
| 862                             | 800        | 430        | NSYS3HD8840     | -                                                     | -               | NSYAEFPFXSC                                                                                                     | NSYSFPSC80HD                                                                                       |
| 1062                            | 600        | 430        | NSYS3HD10640    | -                                                     | -               | NSYAEFPFXSC                                                                                                     | NSYSFPSC60HD                                                                                       |
|                                 | 800        | 430        | NSYS3HD10840    | -                                                     | -               | NSYAEFPFXSC                                                                                                     | NSYSFPSC80HD                                                                                       |
| <b>Floor-standing enclosure</b> |            |            |                 |                                                       |                 |                                                                                                                 |                                                                                                    |
| 1262                            | 600        | 430        | NSYSFHD12640    | NSY2SPHD124                                           | NSY2SPIHD124    | -                                                                                                               | -                                                                                                  |
|                                 | 800        | 430        | NSYSFHD12840    | NSY2SPHD124                                           | NSY2SPIHD124    | -                                                                                                               | -                                                                                                  |
|                                 | 1200       | 430        | NSYSFHD1212402D | NSY2SPHD124                                           | NSY2SPIHD124    | -                                                                                                               | -                                                                                                  |
| 1281                            | 600        | 630        | NSYSFHD12660    | NSY2SPHD126                                           | NSY2SPIHD126    | -                                                                                                               | -                                                                                                  |
|                                 | 800        | 630        | NSYSFHD12860    | NSY2SPHD126                                           | NSY2SPIHD126    | -                                                                                                               | -                                                                                                  |
|                                 | 1200       | 630        | NSYSFHD1212602D | NSY2SPHD126                                           | NSY2SPIHD126    | -                                                                                                               | -                                                                                                  |
| 1662                            | 800        | 430        | NSYSFHD16840    | NSY2SPHD164                                           | NSY2SPIHD164    | -                                                                                                               | -                                                                                                  |
|                                 | 1200       | 430        | NSYSFHD1612402D | NSY2SPHD164                                           | NSY2SPIHD164    | -                                                                                                               | -                                                                                                  |
| 1681                            | 600        | 630        | NSYSFHD16660    | NSY2SPHD166                                           | NSY2SPIHD166    | -                                                                                                               | -                                                                                                  |
|                                 | 800        | 630        | NSYSFHD16860    | NSY2SPHD166                                           | NSY2SPIHD166    | -                                                                                                               | -                                                                                                  |
|                                 | 1200       | 630        | NSYSFHD1612602D | NSY2SPHD166                                           | NSY2SPIHD166    | -                                                                                                               | -                                                                                                  |
| 2062                            | 800        | 430        | NSYSFHD20840    | NSY2SPHD204                                           | NSY2SPIHD204    | -                                                                                                               | -                                                                                                  |



|  | Heavy Duty padlockable double lock          | Stainless-steel plinths 200 mm                                                                                                                                                                                                                                                                                        |                                                              |                                                                       |                                                              | Plain mounting plate                 | Roof ventilation module                                                                               |
|--|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------|
|  |                                             | Ventilated plinths                                                                                                                                                                                                                                                                                                    |                                                              | Standard plinths                                                      |                                                              |                                      |                                                                                                       |
|  | For wall-mounting enclosures                | Front and rear kit                                                                                                                                                                                                                                                                                                    | Lateral kit                                                  | Front and rear kit                                                    | Lateral kit                                                  |                                      |                                                                                                       |
|  | Easy mounting instead of the standard lock. | The front and rear of the plinth consists of 4 corners with 2 panels.                                                                                                                                                                                                                                                 | They are fixed to the corner of the plinth by fixing screws. | The front and rear of the plinth consists of 4 corners with 2 panels. | They are fixed to the corner of the plinth by fixing screws. | -                                    | Ventilation module to enable airing from the top of the enclosure (H = 95 mm) with insect protection. |
|  | Zamack                                      | Stainless-steel AISI 304L                                                                                                                                                                                                                                                                                             | Stainless-steel AISI 304L                                    | Stainless-steel AISI 304L                                             | Stainless-steel AISI 304L                                    | Galvanised steel                     | Steel with anti-corrosive coating                                                                     |
|  | Anti-corrosive coating                      | Scotch-Brite® brushing                                                                                                                                                                                                                                                                                                |                                                              |                                                                       |                                                              | -                                    | Structured finish, 100 % polyester powder                                                             |
|  | -                                           | -                                                                                                                                                                                                                                                                                                                     | -                                                            | -                                                                     | -                                                            | -                                    | RAL 7035 grey                                                                                         |
|  | -                                           | <ul style="list-style-type: none"> <li>■ For wall-mounting enclosure: it is necessary to order separately the plinth fixing kit (ref. <b>NSYAPFXWM</b>) composed by fixing hardware and drilling jig</li> <li>■ For floor-standing enclosure: mounting in the holes for fixing the enclosures to the floor</li> </ul> |                                                              |                                                                       |                                                              |                                      |                                                                                                       |
|  | Delivered with 3 mm double-bar metal key    | 1 kit                                                                                                                                                                                                                                                                                                                 | 1 kit                                                        | 1 kit                                                                 | 1 kit                                                        | 1 mounting plate and fixing elements | 1                                                                                                     |
|  | <b>NSYAEDLPADS3DHD</b>                      | -                                                                                                                                                                                                                                                                                                                     | -                                                            | -                                                                     | -                                                            | <b>NSYMM32</b>                       | -                                                                                                     |
|  | <b>NSYAEDLPADS3DHD</b>                      | -                                                                                                                                                                                                                                                                                                                     | -                                                            | -                                                                     | -                                                            | -                                    | -                                                                                                     |
|  | <b>NSYAEDLPADS3DHD</b>                      | -                                                                                                                                                                                                                                                                                                                     | -                                                            | -                                                                     | -                                                            | <b>NSYMM54</b>                       | -                                                                                                     |
|  | <b>NSYAEDLPADS3DHD</b>                      | -                                                                                                                                                                                                                                                                                                                     | -                                                            | -                                                                     | -                                                            | <b>NSYMM64</b>                       | -                                                                                                     |
|  | <b>NSYAEDLPADS3DHD</b>                      | <b>NSYSPFVX6200</b>                                                                                                                                                                                                                                                                                                   | <b>NSYSPLVX3200</b>                                          | <b>NSYSPFX6200</b>                                                    | <b>NSYSPSX3200</b>                                           | <b>NSYMM66</b>                       | -                                                                                                     |
|  | <b>NSYAEDLPADS3DHD</b>                      | -                                                                                                                                                                                                                                                                                                                     | -                                                            | -                                                                     | -                                                            | <b>NSYMM75</b>                       | -                                                                                                     |
|  | <b>NSYAEDLPADS3DHD</b>                      | <b>NSYSPFVX6200</b>                                                                                                                                                                                                                                                                                                   | <b>NSYSPLVX3200</b>                                          | <b>NSYSPFX6200</b>                                                    | <b>NSYSPSX3200</b>                                           | <b>NSYMM86*</b>                      | -                                                                                                     |
|  | <b>NSYAEDLPADS3DHD</b>                      | <b>NSYSPFVX8200</b>                                                                                                                                                                                                                                                                                                   | <b>NSYSPLVX4200</b>                                          | <b>NSYSPFX8200</b>                                                    | <b>NSYSPSX4200</b>                                           | <b>NSYMM88</b>                       | <b>NSYS3CVR84HD</b>                                                                                   |
|  | <b>NSYAEDLPADS3DHD</b>                      | <b>NSYSPFVX6200</b>                                                                                                                                                                                                                                                                                                   | <b>NSYSPLVX4200</b>                                          | <b>NSYSPFX6200</b>                                                    | <b>NSYSPSX4200</b>                                           | <b>NSYMM106</b>                      | <b>NSYS3CVR64HD</b>                                                                                   |
|  | <b>NSYAEDLPADS3DHD</b>                      | <b>NSYSPFVX8200</b>                                                                                                                                                                                                                                                                                                   | <b>NSYSPLVX4200</b>                                          | <b>NSYSPFX8200</b>                                                    | <b>NSYSPSX4200</b>                                           | <b>NSYMM108*</b>                     | <b>NSYS3CVR84HD</b>                                                                                   |
|  | -                                           | -                                                                                                                                                                                                                                                                                                                     | -                                                            | <b>NSYSPFX6200</b>                                                    | <b>NSYSPSX4200SF</b>                                         | <b>NSYMP126</b>                      | <b>NSYSFCVR64HD</b>                                                                                   |
|  | -                                           | <b>NSYSPFVX8200</b>                                                                                                                                                                                                                                                                                                   | <b>NSYSPLVX4200SF</b>                                        | <b>NSYSPFX8200</b>                                                    | <b>NSYSPSX4200SF</b>                                         | <b>NSYMP128</b>                      | <b>NSYSFCVR84HD</b>                                                                                   |
|  | -                                           | <b>NSYSPFVX12200</b>                                                                                                                                                                                                                                                                                                  | <b>NSYSPLVX4200SF</b>                                        | <b>NSYSPFX12200</b>                                                   | <b>NSYSPSX4200SF</b>                                         | <b>NSYMP1212</b>                     | <b>NSYSFCVR124HD</b>                                                                                  |
|  | -                                           | <b>NSYSPFVX6200</b>                                                                                                                                                                                                                                                                                                   | <b>NSYSPLVX6200SF</b>                                        | <b>NSYSPFX6200</b>                                                    | <b>NSYSPSX6200SF</b>                                         | <b>NSYMP126</b>                      | <b>NSYSFCVR66HD</b>                                                                                   |
|  | -                                           | <b>NSYSPFVX8200</b>                                                                                                                                                                                                                                                                                                   | <b>NSYSPLVX6200SF</b>                                        | <b>NSYSPFX8200</b>                                                    | <b>NSYSPSX6200SF</b>                                         | <b>NSYMP128</b>                      | <b>NSYSFCVR86HD</b>                                                                                   |
|  | -                                           | <b>NSYSPFVX12200</b>                                                                                                                                                                                                                                                                                                  | <b>NSYSPLVX6200SF</b>                                        | <b>NSYSPFX12200</b>                                                   | <b>NSYSPSX6200SF</b>                                         | <b>NSYMP1212</b>                     | <b>NSYSFCVR126HD</b>                                                                                  |
|  | -                                           | <b>NSYSPFVX8200</b>                                                                                                                                                                                                                                                                                                   | <b>NSYSPLVX4200SF</b>                                        | <b>NSYSPFX8200</b>                                                    | <b>NSYSPSX4200SF</b>                                         | <b>NSYMP168</b>                      | <b>NSYSFCVR84HD</b>                                                                                   |
|  | -                                           | <b>NSYSPFVX12200</b>                                                                                                                                                                                                                                                                                                  | <b>NSYSPLVX4200SF</b>                                        | <b>NSYSPFX12200</b>                                                   | <b>NSYSPSX4200SF</b>                                         | <b>NSYMP1612</b>                     | <b>NSYSFCVR124HD</b>                                                                                  |
|  | -                                           | <b>NSYSPFVX6200</b>                                                                                                                                                                                                                                                                                                   | <b>NSYSPLVX6200SF</b>                                        | <b>NSYSPFX6200</b>                                                    | <b>NSYSPSX6200SF</b>                                         | <b>NSYMP166</b>                      | <b>NSYSFCVR66HD</b>                                                                                   |
|  | -                                           | <b>NSYSPFVX8200</b>                                                                                                                                                                                                                                                                                                   | <b>NSYSPLVX6200SF</b>                                        | <b>NSYSPFX8200</b>                                                    | <b>NSYSPSX6200SF</b>                                         | <b>NSYMP168</b>                      | <b>NSYSFCVR86HD</b>                                                                                   |
|  | -                                           | <b>NSYSPFVX12200</b>                                                                                                                                                                                                                                                                                                  | <b>NSYSPLVX6200SF</b>                                        | <b>NSYSPFX12200</b>                                                   | <b>NSYSPSX6200SF</b>                                         | <b>NSYMP1612</b>                     | <b>NSYSFCVR126HD</b>                                                                                  |
|  | -                                           | <b>NSYSPFVX8200</b>                                                                                                                                                                                                                                                                                                   | <b>NSYSPLVX4200SF</b>                                        | <b>NSYSPFX8200</b>                                                    | <b>NSYSPSX4200SF</b>                                         | <b>NSYMP208</b>                      | <b>NSYSFCVR84HD</b>                                                                                   |

### Anti-vandalism kit for plinths

Fixings that help to prevent to open the plinths from the outside with standard tools.

- **Material:** stainless-steel.

| References                                               |                 |
|----------------------------------------------------------|-----------------|
| 16 anti-vandalism screws for stainless-steel plinth      | <b>NSYSKAV</b>  |
| Key for anti-vandalism screws for stainless-steel plinth | <b>NSYKSKAV</b> |

\* Plate with reversible dimensions; it can be installed in enclosures with inverted dimensions. Example: Plate ref. **NSYMM64** can be used for the following enclosures: H 600 x W 400 mm or H 400 x W 600 mm.  
For plain and silkscreened mounting plates: In wall-mounting enclosures with widths of 1000 and 1200 mm, it is possible to install 2 mounting plates at different depths using an additional central step slide **NSYSDRSDCR** (more information on page 218).

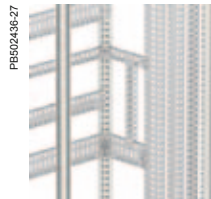
### Installation accessories

#### Mounting acc.



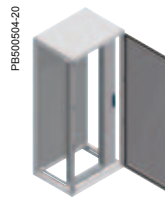
**Polyester:** Page 238  
**Steel:** Page 220

#### Telequick system



**Polyester:** Page 228  
**Steel:** Page 219

#### 19" accessories



**Steel:** Page 378

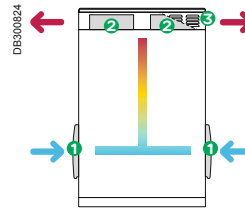
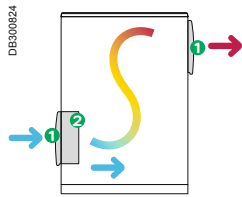
New



| Characteristics              | Fanbox                                                                                                                                                                                                                                                                        | Filter                                                                                                                                          | Roof filter for fanbox                                                                                                                                                                                                              | IP55 HD Metal Grille                                                          | Anti-vandalism kit for HD metal grille                                                                            |          |                 |          |                 |           |           |           |           |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|----------|-----------------|----------|-----------------|-----------|-----------|-----------|-----------|
|                              | <ul style="list-style-type: none"> <li>Free flow rate: 550 m<sup>3</sup>/h (50/60 Hz).</li> <li>Minimal depth inside the enclosure (90 mm).</li> <li>Allows multiple cooling architectures (see page 342 et 343).</li> </ul>                                                  | Replacement G3 M1 type synthetic filter for HD metal grille. <ul style="list-style-type: none"> <li><b>Dimensions:</b> 223 x 223 mm.</li> </ul> | Roof G2 round synthetic filter designed to cover the fanbox. Covers completely the fanbox and helps to protect it from dust and humidity. Mandatory for fanbox installation in the Roof ventilation module for IP55 configurations. | Slim grille (35 mm external depth). Includes a G3 M1 filter.                  | Fixings that help to prevent to open the grille from the outside with standard tools (EN 1627-1630:2011 Class 2). |          |                 |          |                 |           |           |           |           |
| Material                     | Plastic                                                                                                                                                                                                                                                                       | -                                                                                                                                               | -                                                                                                                                                                                                                                   | Steel with anti-corrosive coating                                             | Steel with anti-corrosive coating                                                                                 |          |                 |          |                 |           |           |           |           |
| Finish                       | -                                                                                                                                                                                                                                                                             | -                                                                                                                                               | -                                                                                                                                                                                                                                   | Structured finish, 100 % polyester powder                                     | -                                                                                                                 |          |                 |          |                 |           |           |           |           |
| Colour                       | RAL 7016 dark grey                                                                                                                                                                                                                                                            | -                                                                                                                                               | -                                                                                                                                                                                                                                   | RAL 7035 grey                                                                 | -                                                                                                                 |          |                 |          |                 |           |           |           |           |
| Ingress protection rating    | -                                                                                                                                                                                                                                                                             | -                                                                                                                                               | -                                                                                                                                                                                                                                   | IP55                                                                          | -                                                                                                                 |          |                 |          |                 |           |           |           |           |
| Mechanical protection rating | -                                                                                                                                                                                                                                                                             | -                                                                                                                                               | -                                                                                                                                                                                                                                   | IK10                                                                          | -                                                                                                                 |          |                 |          |                 |           |           |           |           |
| Supply                       | 1 (grille not included)                                                                                                                                                                                                                                                       | 5                                                                                                                                               | 1                                                                                                                                                                                                                                   | 1 grille delivered with G3 M1 type synthetic filter (223 x 223mm) and fixings | 1 kit                                                                                                             |          |                 |          |                 |           |           |           |           |
|                              | <table border="1"> <thead> <tr> <th>Voltage</th> <th>References</th> </tr> </thead> <tbody> <tr> <td>24 V DC</td> <td>NSYCVF550M24FB</td> </tr> <tr> <td>115 V AC</td> <td>NSYCVF550M115FB</td> </tr> <tr> <td>230 V AC</td> <td>NSYCVF550M230FB</td> </tr> </tbody> </table> | Voltage                                                                                                                                         | References                                                                                                                                                                                                                          | 24 V DC                                                                       | NSYCVF550M24FB                                                                                                    | 115 V AC | NSYCVF550M115FB | 230 V AC | NSYCVF550M230FB | Reference | Reference | Reference | Reference |
| Voltage                      | References                                                                                                                                                                                                                                                                    |                                                                                                                                                 |                                                                                                                                                                                                                                     |                                                                               |                                                                                                                   |          |                 |          |                 |           |           |           |           |
| 24 V DC                      | NSYCVF550M24FB                                                                                                                                                                                                                                                                |                                                                                                                                                 |                                                                                                                                                                                                                                     |                                                                               |                                                                                                                   |          |                 |          |                 |           |           |           |           |
| 115 V AC                     | NSYCVF550M115FB                                                                                                                                                                                                                                                               |                                                                                                                                                 |                                                                                                                                                                                                                                     |                                                                               |                                                                                                                   |          |                 |          |                 |           |           |           |           |
| 230 V AC                     | NSYCVF550M230FB                                                                                                                                                                                                                                                               |                                                                                                                                                 |                                                                                                                                                                                                                                     |                                                                               |                                                                                                                   |          |                 |          |                 |           |           |           |           |
|                              |                                                                                                                                                                                                                                                                               | NSYCAF223T                                                                                                                                      | NSYCAF190                                                                                                                                                                                                                           | NSYCAG223LFHD                                                                 | NSYCAAPVHD                                                                                                        |          |                 |          |                 |           |           |           |           |
|                              |                                                                                                                                                                                                                                                                               |                                                                                                                                                 |                                                                                                                                                                                                                                     |                                                                               |                                                                                                                   |          |                 |          |                 |           |           |           |           |

**New**

- 1 IP55 metal grille
- 2 Fanbox
- 3 Roof ventilated module
- 4 Ventilated plinths
- 5 IP54 grille



|                       | S-Line                                                                                                                                                                                                                                                                                        |      |        |      | T-Line                                                                                                                                                                                                                                                                               |      |                                      |                         |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------------------|-------------------------|
| Architecture benefits | <ul style="list-style-type: none"> <li>■ Most common and competitive architecture</li> <li>■ Maximum heat dissipation to extract 800 W-1000 W</li> <li>■ <math>\Delta T^\circ</math> of 5°C</li> <li>■ Easy access to mount-dismount fanbox</li> <li>■ Air flow in horizontal axis</li> </ul> |      |        |      | <ul style="list-style-type: none"> <li>■ High capacity of extraction calories up to 1500 W</li> <li>■ Noise level with 1 fan: 55 dB when installed inside the upper ventilation module</li> <li>■ <math>\Delta T^\circ</math> of 5°C</li> <li>■ Air flow in vertical axis</li> </ul> |      |                                      |                         |
|                       | IP55 metal grille                                                                                                                                                                                                                                                                             |      | Fanbox |      | IP55 metal grille                                                                                                                                                                                                                                                                    |      | Fanbox                               | Roof ventilation module |
|                       | Door                                                                                                                                                                                                                                                                                          | Side | Door   | Side | Door                                                                                                                                                                                                                                                                                 | Side | (1 filter NSYCAF190 for each Fanbox) |                         |

**Polyester outdoor HD enclosure**

| References     | Amount to be installed |        |        |        | Amount to be installed |        |        |   | References   |
|----------------|------------------------|--------|--------|--------|------------------------|--------|--------|---|--------------|
| NSYPHDT553     | -                      | -      | -      | -      | -                      | -      | -      | - | -            |
| NSYPHDT553P    | -                      | -      | -      | -      | -                      | -      | -      | - | -            |
| NSYPHDT753     | -                      | -      | -      | -      | -                      | -      | -      | - | -            |
| NSYPHDT753P    | 1 to 2                 | -      | 1 to 2 | -      | 1 to 2                 | -      | -      | - | -            |
| NSYPHDZT774    | -                      | 1 to 2 | -      | 1 to 2 | -                      | 1 to 2 | 1 to 2 | 1 | NSYPCVR74HD  |
| NSYPHDZT774P   | 1 to 2                 | 1 to 2 | 1 to 2 | 1 to 2 | 1 to 2                 | 1 to 2 | 1 to 2 | 1 | NSYPCVR74HD  |
| NSYPHDZT776    | -                      | 1 to 2 | -      | 1 to 2 | -                      | 1 to 2 | 1 to 2 | 1 | NSYPCVR76HD  |
| NSYPHDZT776P   | 1 to 2                 | 1 to 2 | 1 to 2 | 1 to 2 | 1 to 2                 | 1 to 2 | 1 to 2 | 1 | NSYPCVR76HD  |
| NSYPHDZT1054   | -                      | 1      | -      | 1      | -                      | 1      | 1      | 1 | NSYPCVR54HD  |
| NSYPHDZT1054P  | 1 to 2                 | 1      | 1 to 2 | 1      | 1 to 2                 | 1      | 1      | 1 | NSYPCVR54HD  |
| NSYPHDZT1074   | -                      | 1 to 2 | -      | 1 to 2 | -                      | 1 to 2 | 1 to 2 | 1 | NSYPCVR74HD  |
| NSYPHDZT1074P  | 1 to 4                 | 1 to 2 | 1 to 4 | 1 to 2 | 1 to 4                 | 1 to 2 | 1 to 2 | 1 | NSYPCVR74HD  |
| NSYPHDZT12124  | -                      | 1 to 3 | -      | 1 to 3 | -                      | 1 to 3 | 1 to 3 | 1 | NSYPCVR124HD |
| NSYPHDZT12124P | 1 to 4                 | 1 to 3 | 1 to 4 | 1 to 3 | 1 to 4                 | 1 to 3 | 1 to 3 | 1 | NSYPCVR124HD |
| NSYPHDZT12126  | -                      | 1 to 3 | -      | 1 to 3 | -                      | 1 to 3 | 1 to 3 | 1 | NSYPCVR126HD |
| NSYPHDZT12126P | 1 to 4                 | 1 to 3 | 1 to 4 | 1 to 3 | 1 to 4                 | 1 to 3 | 1 to 3 | 1 | NSYPCVR126HD |
| NSYPHDZT1254   | -                      | 1      | -      | 1      | -                      | 1      | 1      | 1 | NSYPCVR54HD  |
| NSYPHDZT1254P  | 1 to 3                 | 1      | 1 to 3 | 1      | 1 to 3                 | 1      | 1      | 1 | NSYPCVR54HD  |
| NSYPHDZT1274   | -                      | 1 to 2 | -      | 1 to 2 | -                      | 1 to 2 | 1 to 2 | 1 | NSYPCVR74HD  |
| NSYPHDZT1274P  | 1 to 4                 | 1 to 2 | 1 to 4 | 1 to 2 | 1 to 4                 | 1 to 2 | 1 to 2 | 1 | NSYPCVR74HD  |
| NSYPHDZT1276   | -                      | 1 to 2 | -      | 1 to 2 | -                      | 1 to 2 | 1 to 2 | 1 | NSYPCVR76HD  |
| NSYPHDZT1276P  | 1 to 4                 | 1 to 2 | 1 to 4 | 1 to 2 | 1 to 4                 | 1 to 2 | 1 to 2 | 1 | NSYPCVR76HD  |
| NSYPHDZT15124  | -                      | 1 to 3 | -      | 1 to 3 | -                      | 1 to 3 | 1 to 3 | 1 | NSYPCVR124HD |
| NSYPHDZT15124P | 1 to 4                 | 1 to 3 | 1 to 4 | 1 to 3 | 1 to 4                 | 1 to 3 | 1 to 3 | 1 | NSYPCVR124HD |
| NSYPHDZT15126  | -                      | 1 to 3 | -      | 1 to 3 | -                      | 1 to 3 | 1 to 3 | 1 | NSYPCVR126HD |
| NSYPHDZT15126P | 1 to 4                 | 1 to 3 | 1 to 4 | 1 to 3 | 1 to 4                 | 1 to 3 | 1 to 3 | 1 | NSYPCVR126HD |
| NSYPHDZT1574   | -                      | 1 to 2 | -      | 1 to 2 | -                      | 1 to 2 | 1 to 2 | 1 | NSYPCVR74HD  |
| NSYPHDZT1574P  | 1 to 4                 | 1 to 2 | 1 to 4 | 1 to 2 | 1 to 4                 | 1 to 2 | 1 to 2 | 1 | NSYPCVR74HD  |
| NSYPHDZT1576   | -                      | 1 to 2 | -      | 1 to 2 | -                      | 1 to 2 | 1 to 2 | 1 | NSYPCVR76HD  |
| NSYPHDZT1576P  | 1 to 4                 | 1 to 2 | 1 to 4 | 1 to 2 | 1 to 4                 | 1 to 2 | 1 to 2 | 1 | NSYPCVR76HD  |
| NSYPHDZT2074   | -                      | 1 to 2 | -      | 1 to 2 | -                      | 1 to 2 | 1 to 2 | 1 | NSYPCVR74HD  |
| NSYPHDZT2074P  | 1 to 4                 | 1 to 2 | 1 to 4 | 1 to 2 | 1 to 4                 | 1 to 2 | 1 to 2 | 1 | NSYPCVR74HD  |

**Steel outdoor HD enclosure**

| References      | Amount to be installed |        |        |        | Amount to be installed |        |        |   | References    |
|-----------------|------------------------|--------|--------|--------|------------------------|--------|--------|---|---------------|
| NSYS3HD8630     | 1 to 2                 | -      | 1 to 2 | -      | 1 to 2                 | -      | -      | - | -             |
| NSYS3HD8840     | 1 to 2                 | 1 to 2 | 1 to 2 | 1 to 2 | 1 to 2                 | 1 to 2 | 1 to 2 | 1 | NSYS3CVR84HD  |
| NSYS3HD10640    | 1 to 2                 | 1 to 2 | 1 to 2 | 1 to 2 | 1 to 2                 | 1 to 2 | 1      | 1 | NSYS3CVR64HD  |
| NSYS3HD10840    | 1 to 4                 | 1 to 2 | 1 to 4 | 1 to 2 | 1 to 4                 | 1 to 2 | 1 to 2 | 1 | NSYS3CVR84HD  |
| NSYSFHD12640    | 1 to 3                 | 1 to 3 | 1 to 3 | 1 to 3 | 1 to 3                 | 1 to 3 | 1      | 1 | NSYSFCVR64HD  |
| NSYSFHD12660    | 1 to 3                 | 1 to 3 | 1 to 3 | 1 to 3 | 1 to 3                 | 1 to 3 | 1      | 1 | NSYSFCVR66HD  |
| NSYSFHD12840    | 1 to 4                 | 1 to 3 | 1 to 4 | 1 to 3 | 1 to 4                 | 1 to 3 | 1 to 2 | 1 | NSYS3CVR84HD  |
| NSYSFHD12860    | 1 to 4                 | 1 to 3 | 1 to 4 | 1 to 3 | 1 to 4                 | 1 to 3 | 1 to 2 | 1 | NSYSFECA66HD  |
| NSYSFHD16660    | 1 to 4                 | 1 to 4 | 1 to 4 | 1 to 4 | 1 to 4                 | 1 to 4 | 1      | 1 | NSYSFCVR66HD  |
| NSYSFHD16840    | 1 to 4                 | 1 to 4 | 1 to 4 | 1 to 3 | 1 to 4                 | 1 to 3 | 1 to 2 | 1 | NSYS3CVR84HD  |
| NSYSFHD16860    | 1 to 4                 | 1 to 4 | 1 to 4 | 1 to 4 | 1 to 4                 | 1 to 4 | 1 to 2 | 1 | NSYSFECA66HD  |
| NSYSFHD20840    | 1 to 4                 | 1 to 4 | 1 to 4 | 1 to 4 | 1 to 4                 | 1 to 4 | 1 to 2 | 1 | NSYS3CVR84HD  |
| NSYSFHD1212402D | 1 to 4                 | 1 to 3 | 1 to 4 | 1 to 2 | 1 to 4                 | 1 to 2 | 1 to 3 | 1 | NSYSFCVR124HD |
| NSYSFHD1212602D | 1 to 4                 | 1 to 3 | 1 to 4 | 1 to 3 | 1 to 4                 | 1 to 2 | 1 to 3 | 1 | NSYSFCVR126HD |
| NSYSFHD1612402D | 1 to 4                 | 1 to 4 | 1 to 4 | 1 to 3 | 1 to 4                 | 1 to 3 | 1 to 3 | 1 | NSYSFCVR124HD |
| NSYSFHD1612602D | 1 to 4                 | 1 to 4 | 1 to 4 | 1 to 3 | 1 to 4                 | 1 to 3 | 1 to 3 | 1 | NSYSFCVR126HD |



| Test description                                                                                                                            | Standard              | Standard title                                                                                                                                                                                          | Certification | Declaration |
|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------|
| <b>POLYESTER</b>                                                                                                                            |                       |                                                                                                                                                                                                         |               |             |
| <b>Thalassa PHD</b>                                                                                                                         |                       |                                                                                                                                                                                                         |               |             |
| IP55, IK10, lifting: 500 kg max. (IP65 for wall-mounting)                                                                                   | IEC 62208: 2011       | Empty enclosures for low-voltage switchgear and controlgear assemblies - General requirements                                                                                                           | ●             | -           |
| Class II Insulation                                                                                                                         | IEC 61439-1: 2011     | Low-voltage switchgear and controlgear assemblies Part 1: general rules                                                                                                                                 | -             | ✓           |
| Strength of materials and parts                                                                                                             | IEC 61439-5: 2010     | Low-voltage switchgear and controlgear assemblies Part 5: assemblies for power distribution in public networks                                                                                          | ●             | -           |
| Corrosion resistance C4H                                                                                                                    | ISO 12.944: 1999      | Paints and varnishes-corrosion protection of steel structures by protective paint systems Part 6: laboratory performance testing methods                                                                | -             | ✓           |
| Climatic test, Biological Test, Resistance against chemically and mechanical active substances. Mechanical test, Lifting and stiffness test | IEC 61969-3: 2011     | Electronic "Mechanical structures for electronic equipment - Outdoor enclosures" Part 3: environmental requirements, tests and safety aspects                                                           | ●             | -           |
| Space for electronics                                                                                                                       | IEC 60297-3-100: 2009 | Mechanical structures for electronic equipment Dimensions of mechanical structures of the 482.6 mm (19 in) series - Part 3-100: basic dimensions of front panels, subracks, chassis, racks and cabinets | -             | ✓           |
| Dimensional                                                                                                                                 | EIA-310-E             | Cabinets, Racks, Panels, and associated equipment                                                                                                                                                       | -             | ✓           |
| Fire resistance                                                                                                                             | EN 1794-2:2011        | Vandalism: fire resistance                                                                                                                                                                              | -             | ✓           |
| Posting                                                                                                                                     | Internal test         | Door antiposting internal test                                                                                                                                                                          | -             | ✓           |
| Single door: 1, 2, 3, 3R, 4, 4X, 5, 12 & 13<br>Double door: 1, 2, 3, 3R, 5, 12 & 13                                                         | UL 508 A: 2007        | Standard for Industrial Control Panels                                                                                                                                                                  | ●             | -           |
| <b>STEEL</b>                                                                                                                                |                       |                                                                                                                                                                                                         |               |             |
| <b>Spacial SFHD (floor-standing enclosures)</b>                                                                                             |                       |                                                                                                                                                                                                         |               |             |
| IP55, IK10, lifting: 1000 kg max.                                                                                                           | IEC 62208: 2011       | Empty enclosures for low-voltage switchgear and controlgear assemblies - General requirements                                                                                                           | ●             | -           |
| Strength of materials and parts                                                                                                             | IEC 61.439-5: 2010    | Low-voltage switchgear and controlgear assemblies Part 5: Assemblies for power distribution in public networks                                                                                          | ●             | -           |
| Corrosion resistance C4H                                                                                                                    | ISO 12.944: 1999      | Paints and varnishes-corrosion protection of steel structures by protective paint systems Part 6: laboratory performance testing methods                                                                | ●             | -           |
| Climatic test, Biological Test, Resistance against chemically and mechanical active substances. Mechanical test, Lifting and stiffness test | IEC 61969-3: 2011     | Electronic "Mechanical structures for electronic equipment - Outdoor enclosures" Part 3: environmental requirements, tests and safety aspects                                                           | ●             | -           |
| Space for electronics                                                                                                                       | IEC 60297-3-100: 2009 | Mechanical structures for electronic equipment Dimensions of mechanical structures of the 482.6 mm (19 in) series - Part 3-100: basic dimensions of front panels, subracks, chassis, racks and cabinets | -             | ✓           |
| Dimensional                                                                                                                                 | EIA-310-E             | Cabinets, Racks, Panels, and associated equipment                                                                                                                                                       | -             | ✓           |
| Single door: Type 1, 3R, 12, 12K<br>Double door: Type 1, 3R, 12, 12K                                                                        | UL 508 A: 2007        | Standard for Industrial Control Panels                                                                                                                                                                  | ●             | -           |
| <b>Spacial S3HD (wall-mounting enclosures)</b>                                                                                              |                       |                                                                                                                                                                                                         |               |             |
| IP66, IK10, lifting: 200 kg max.                                                                                                            | IEC 62208: 2011       | Empty enclosures for low-voltage switchgear and controlgear assemblies - General requirements                                                                                                           | ●             | -           |
| Strength of materials and parts                                                                                                             | IEC 61.439-5: 2010    | Low-voltage switchgear and controlgear assemblies Part 5: Assemblies for power distribution in public networks                                                                                          | ●             | -           |
| Corrosion resistance C4H                                                                                                                    | ISO 12.944: 1999      | Paints and varnishes-corrosion protection of steel structures by protective paint systems Part 6: laboratory performance testing methods                                                                | ●             | -           |
| Climatic test, Biological Test, Resistance against chemically and mechanical active substances. Mechanical test, Lifting and stiffness test | IEC 61969-3: 2011     | Electronic "Mechanical structures for electronic equipment - Outdoor enclosures" Part 3: environmental requirements, tests and safety aspects                                                           | ●             | -           |
| Space for electronics                                                                                                                       | IEC 60297-3-100: 2009 | Mechanical structures for electronic equipment Dimensions of mechanical structures of the 482.6 mm (19 in) series - Part 3-100: basic dimensions of front panels, subracks, chassis, racks and cabinets | -             | ✓           |
| Dimensional                                                                                                                                 | EIA-310-E             | Cabinets, Racks, Panels, and associated equipment                                                                                                                                                       | -             | ✓           |
| Single door: Type 1, 2, 3, 3R, 4, 4X, 5, 12 & 13                                                                                            | UL 508 A: 2007        | Standard for Industrial Control Panels                                                                                                                                                                  | ●             | -           |



| Test description                                                                               | Standard                                                                             | Standard title                                                                                                                             | Certification | Declaration |
|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------|
| <b>HD ACCESSORIES</b>                                                                          |                                                                                      |                                                                                                                                            |               |             |
| <b>HD THERMAL MANAGEMENT</b>                                                                   |                                                                                      |                                                                                                                                            |               |             |
| <b>Fanbox</b>                                                                                  |                                                                                      |                                                                                                                                            |               |             |
| NSYCVF Series are intended for mounting on the flat surface of a Type 12 or 12K enclosure      | UL 508A<br>CAN/CSA-C22.2 No. 14,<br>CAN/CSA C22.2 No. 94-M91<br>CAN/CSA C22.2 No. 73 | Industrial Control Panels<br>Industrial Control Equipment<br>Special Purpose Enclosures<br>Electrically Equipped Machine Tools             | ●             | -           |
| <b>IP55 HD Metal grille (NSYCAG223LFHD)</b>                                                    |                                                                                      |                                                                                                                                            |               |             |
| IP55 (in conditions of use)                                                                    | IEC 60529: 2013                                                                      | Degrees of protection provided by enclosures (IP Code)                                                                                     | -             | ✓           |
| Corrosion resistance C4H                                                                       | ISO 12.944: 1999                                                                     | Paints and varnishes-corrosion protection of steel structures by protective paint systems - part 6: laboratory performance testing methods | ●             | -           |
| <b>Anti-vandalism kit for HD metal grille (NSYCAAPVHD)</b>                                     |                                                                                      |                                                                                                                                            |               |             |
| Resistance Class 2                                                                             | ENV 1627:2011                                                                        | Burglar resistance - Requirements and classification                                                                                       | ●             | -           |
| <b>Upper ventilation module (PHD / SFHD / S3HD)</b>                                            |                                                                                      |                                                                                                                                            |               |             |
| IP55 (in conditions of use)                                                                    | IEC 60529: 2013                                                                      | Degrees of protection provided by enclosures (IP Code)                                                                                     | -             | ✓           |
| Corrosion resistance at level C4H                                                              | ISO 12.944: 1999                                                                     | Paints and varnishes-corrosion protection of steel structures by protective paint systems Part 6: laboratory performance testing methods   | ●             | -           |
| <b>HD POLYESTER ENCLOSURES</b>                                                                 |                                                                                      |                                                                                                                                            |               |             |
| <b>Anti-burglary accessory (NSYBGN***HD)</b>                                                   |                                                                                      |                                                                                                                                            |               |             |
| Resistance Class 2                                                                             | ENV 1627:2011                                                                        | Burglar resistance - Requirements and classification                                                                                       | ●             | -           |
| Corrosion resistance at level C4H                                                              | ISO 12.944: 1999                                                                     | Paints and varnishes-corrosion protection of steel structures by protective paint systems Part 6: laboratory performance testing methods   | ●             | -           |
| <b>ZZ plinths (NSYZZ*** &amp; NSYZZ***VHD)</b>                                                 |                                                                                      |                                                                                                                                            |               |             |
| ZZ Plinth: IP44 (in conditions of use)<br>Ventilated ZZ Plinth: IP43 (in conditions of use)    | IEC 60.529:2013                                                                      | Degrees of protection provided by enclosures (IP Code)                                                                                     | -             | ✓           |
| <b>Eyebolts (NSYPLHD)</b>                                                                      |                                                                                      |                                                                                                                                            |               |             |
| Maximum load 500Kg                                                                             | IEC 62208: 2011                                                                      | Empty enclosures for low-voltage switchgear and controlgear assemblies - General requirements                                              | -             | ✓           |
| <b>HD STEEL ENCLOSURES</b>                                                                     |                                                                                      |                                                                                                                                            |               |             |
| <b>Stainless steel plinths (NSYSPFVX*** / NSYSPLVX*** / NSYSPSX*** / NSYSPSX***)</b>           |                                                                                      |                                                                                                                                            |               |             |
| Ventilated plinth: IP20 (in conditions of use)<br>Standard plinth: IP30 (in conditions of use) | IEC 60.529:2013                                                                      | Degrees of protection provided by enclosures (IP Code)                                                                                     | -             | ✓           |

New

SF

S3D

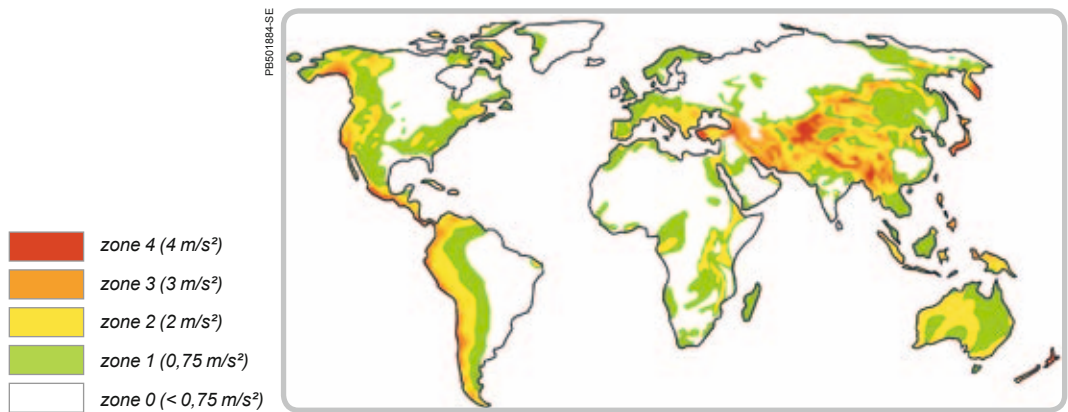
### General overview

■ **Introduction**

Schneider Electric's Spacial range offers enclosures (SF cubicles and S3D boxes) certified for installation in seismic risk zones of various intensities. The zones used to classify the enclosures are those defined by the Uniform Building Code (UBC).

■ **UBC zones**

The UBC has defined 6 zones (0, 1, 2A, 2B, 3, 4, 5) according to ground acceleration. The illustration below, taken from IEC 60721-2-6 (Figure 5), uses the zones defined by the UBC, combining, for greater clarity, zones 2A and 2B in zone 2.



■ **Certification of Spacial enclosures**

The tests used for certification are those specified by the international standard and adapted for the requirements of nuclear industry. The reference documents are as follows:

- M12D0168610 (EDF): Earthquake resistance tests specified for the nuclear industry. This document is the update of document CRT 91-C-112-00 produced following the Fukushima accident
- IEC 60068-3-3 (first edition): international standard.

### Certification of Spacial enclosures

■ **Enclosures for weak to medium earthquakes:**

The standard offer of SF cubicles and S3D\* boxes is certified to withstand all seismic risks up to UBC zone 3 for the following applications:

- SF cubicle applications:
  - Control and automation;
  - Industrial electronics (19" frame);
  - LV power distribution (Spacial SFP).
- S3D box applications:
  - Control and automation.

■ **Enclosures for medium to strong earthquakes:**

The Spacial SF 5G cubicle is certified to withstand any seismic risk up to UBC zone 4 thanks to its reinforced structure, its special panel mounting system and its locking system. It has been tested for the following applications:

- Control and automation;
- Industrial electronics (19" frame);
- LV power distribution (Spacial SFP 5G).

■ **Enclosures for very strong earthquakes:**

The Spacial SF S3D 6G cubicle is certified to withstand any seismic risk up to UBC zone 4 thanks to its panel thickness, its locking system, its wall mounting brackets and its reinforced chassis mounting. It has been tested for the following application:

- Control and automation.

\*Except larger enclosures. Consult us.

New

SF

S3D

### Technical information

#### Definitions

**Ground acceleration:**

Ground acceleration resulting from a given earthquake.

Note: In practice, ground acceleration can be broken down into horizontal and vertical components.

**Floor acceleration:**

Acceleration of a particular floor in a building (at the location of an equipment item) resulting from a given earthquake.

Note: In practice, floor acceleration can be broken down into horizontal and vertical components.

#### Test results

| Spatial SF and S3D offer |                 |               |        | Earthquake characteristics |                  |                                    | Floor acceleration (m/s <sup>2</sup> ) (2) |        |         |                             |         |                 |        |         |
|--------------------------|-----------------|---------------|--------|----------------------------|------------------|------------------------------------|--------------------------------------------|--------|---------|-----------------------------|---------|-----------------|--------|---------|
| Standard                 |                 | 5G (5)        | 6G (5) | IEC 60068-3-3 (Table 3)    |                  | Ground acceleration a <sub>g</sub> | Required response spectra (RRS)            |        |         | Test response spectra (TRS) |         |                 |        |         |
| S3D                      | SF, SF 19", SFP | SF 5G, SFP 5G | S3D 6G | Seismic zones              | Intensity scales |                                    | IEC 60068-3-3                              | EDF    |         | Specification               | Horiz.  | Vertic.         |        |         |
|                          |                 |               |        | UBC (3)                    | Richter          | MSK (4)                            | m/s <sup>2</sup>                           | Horiz. | Vertic. | Horiz.                      | Vertic. | Specification   | Horiz. | Vertic. |
|                          |                 |               |        | 0                          | < 5.5            | < VIII                             |                                            |        |         | N/A                         |         |                 |        |         |
|                          |                 |               |        | 1-2                        |                  |                                    | 2                                          | 6      | 3       |                             |         |                 |        |         |
|                          |                 |               |        | 3                          | ≥ 5.5 and ≤ 7    | VIII to IX                         | 3                                          | 9      | 4.5     | 6                           | 4.8     | HN 20-E-53      | 9      | 9       |
|                          |                 |               |        | 4                          | > 7              | > IX                               | 5                                          | 15     | 7.5     | 10                          | 8       | CRT 91-C-112-00 | 15     | 12      |
|                          |                 |               |        |                            |                  |                                    | (1)                                        | (1)    | (1)     | 20                          | 24      | M12D0168610     | 29.6   | 40      |

(1) The IEC 60068-3-3, 1991-02 standard has not yet been updated since the events at FUKUSHIMA.

(2) Floor acceleration = a<sub>g</sub> x K x D (§8.2.7), where:

K = amplification factor = 3 (Table 4 of IEC 60068-3-3)

D = direction factor = 1 for the horizontal direction, = 0.5 for the vertical direction (Table 5 of IEC 60068-3-3).

(3) Approximate Uniform Building Code values for the zone.

(4) MSK (Medvedev-Sponheuer-Kamik, corresponding to the modified Mercalli intensity scale).

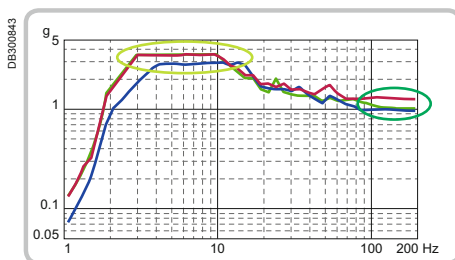
(5) The 5G and 6G designations refer to the amplified maximum acceleration value read respectively on the horizontal RRS of the EDF standard CRT91C11200 and on vertical RRS of the EDF MRI standard for large equipment.

(6) Except larger enclosures. Consult us.

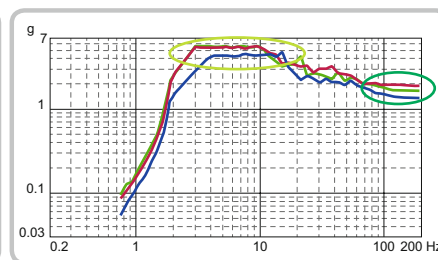
**Comment:** g = acceleration due to gravity rounded off to the nearest whole number (1g = 10 m/s<sup>2</sup>).

### Test Response Spectra (TRS)

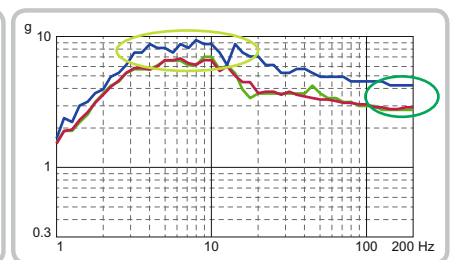
Spectra for SF 3G cubicles



Spectra for SF 5G cubicles



Spectra for S3D 6G boxes



— TRS<sub>x</sub>    — TRS<sub>y</sub>    — TRS<sub>z</sub>

x = front-rear horizontal axis

y = left-right horizontal axis

z = vertical axis

○ Amplified maximum acceleration: acceleration expected at the center of gravity of the equipment

○ Maximum floor acceleration: unamplified acceleration

New

SF

> **Spacial SF 5G** cubicles (for control and automation) and **Spacial SFP 5G** cubicles (for LV power distribution) have been designed to withstand earthquakes up to UBC zone 4.



PB502602-47



PB502602-70

### Reinforced crosspieces

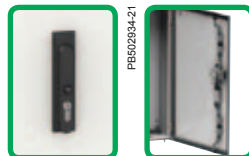
- Two reinforced crosspieces ensure the structure's mechanical strength.



PB502633-32

### Panel mounting

- Mounting systems prevent loosening of the screws.



PB502634-17

PB502634-21

### Security locking system

- Seismic locking system.
- Special bars and handle to prevent any accidental door opening under severe vibration conditions.



PB502636-40

### Reinforced plinths

- New reinforced monobloc plinths.

New

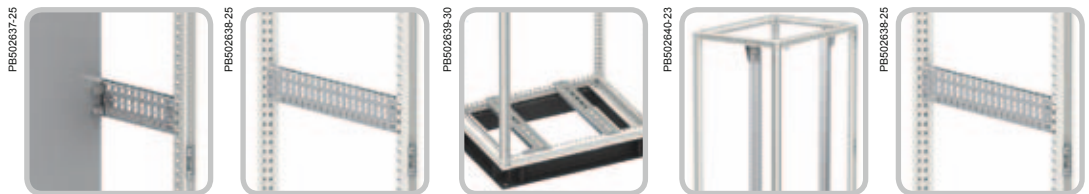
SF

### Spacial SF 5G solutions for seismic risks



| Characteristics      | Nominal dimensions (mm)                                                                                                                                                                                                                                      |     |     | Load tested (kg) | Plain door   | Plain door  | 100 mm plinth | Mounting plate* | 19" rack* |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|------------------|--------------|-------------|---------------|-----------------|-----------|
|                      | Two configurations were tested:<br>■ Control and automation configuration. 250 kg load uniformly distributed over the plain mounting plate at the rear.<br>■ Configuration with fixed 19" rack. 250 kg load distributed in accordance with a standard (FPR). |     |     |                  |              |             |               |                 |           |
|                      | H                                                                                                                                                                                                                                                            | W   | D   |                  | Without rack |             |               |                 |           |
| <b>Spacial SF 5G</b> |                                                                                                                                                                                                                                                              |     |     |                  |              |             |               |                 |           |
| A&C configuration    | 2000                                                                                                                                                                                                                                                         | 800 | 600 | 250              | NSYSF5G20860 | NSY5G2SP206 | NSYS5GPC86    | NSYMP208        | -         |
| 19" configuration    | 2000                                                                                                                                                                                                                                                         | 600 | 800 | 250              | NSYSF5G20680 | NSY5G2SP208 | NSYS5GPC86    | -               | NSYRCK42  |

\* For plain mounting plate and 19" rack, see information on cubicle reinforcement.  
**NB:** The customer must ensure good cubicle/base connection.



| Characteristics | Spacial SF 5G cubicle reinforcement                                                                                                                                                                                                                                                                                                        |                       |                        |                                                                                                                                                |                       |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
|                 | If the following mounting parts are used in SF 5G cubicles:<br>■ Plain mounting plates;<br>■ Fixed 19" rack;<br>then it is mandatory to mount the corresponding reinforcing brackets, universal cross rails and heavy-load cross rails in order to ensure the safety and optimal performance of the cubicle and the equipment it contains. |                       |                        |                                                                                                                                                |                       |
|                 | <b>A&amp;C configuration (H 2000 mm x W 800 mm x D 600 mm):</b><br>Mandatory components for reinforcing Spacial SF 5G cubicles with plain mounting plate                                                                                                                                                                                   |                       |                        | <b>19" configuration (H 2000 mm x W 600 mm x D 800 mm):</b><br>Mandatory components for reinforcing Spacial SF 5G cubicles with fixed 19" rack |                       |
| Depth (mm)      | Reinforcing bracket for plain mounting plate                                                                                                                                                                                                                                                                                               | Universal cross rails | Heavy-load cross rails | Reinforcing bracket for fixed 19" rack                                                                                                         | Universal cross rails |
| 600             | NSY5GSPK                                                                                                                                                                                                                                                                                                                                   | NSYSUCR9060           | NSYHLCR60              | -                                                                                                                                              | -                     |
| 800             | -                                                                                                                                                                                                                                                                                                                                          | -                     | -                      | NSY5GRCK42                                                                                                                                     | NSYSUCR9080           |

New

SF

### Compliance with local standards

#### Level and specifications of the standard

| Tested configurations       | Spacial SF 5G                                                                                                                                                                                                                                                                                                                                                                                                         | Standard Spacial SF (3G)                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A&C configuration           | NSYSF5G20860 + NSYS5GPC86 + NSY5G2SP206 + NSYMP208 + NSY5GSPK + NSYSUCR9060 + NSYHLCR60                                                                                                                                                                                                                                                                                                                               | NSYSF20860 + NSYSFPF8100 + NSYS6100 + NSY2SP206 + NSYMP208                                                                                                                                                                                                                                                                                                                                                                 |
| 19" configuration           | NSYSF5G20680 + NSYS5GPC86 + NSY5G2SP208 + NSY5GRCK42 + NSYSUCR9080                                                                                                                                                                                                                                                                                                                                                    | NSYSF20680 + NSYSFPF6100 + NSYS6100 + NSY2SP208 + NSYRCK42                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Standard</b>             |                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                            |
| EDF standard<br>CRT91C11200 | Required response spectrum:<br><ul style="list-style-type: none"> <li>■ Horizontal: <ul style="list-style-type: none"> <li>□ Floor acceleration = 1 g</li> <li>□ Amplified max. acceleration at center of gravity = 5 g</li> </ul> </li> <li>■ Vertical: <ul style="list-style-type: none"> <li>□ Floor acceleration = 0,8 g</li> <li>□ Amplified max. acceleration at center of gravity = 4 g</li> </ul> </li> </ul> | Required response spectrum:<br><ul style="list-style-type: none"> <li>■ Horizontal: <ul style="list-style-type: none"> <li>□ Floor acceleration = 0,6 g</li> <li>□ Amplified max. acceleration at center of gravity = 3 g</li> </ul> </li> <li>■ Vertical: <ul style="list-style-type: none"> <li>□ Floor acceleration = 0,48 g</li> <li>□ Amplified max. acceleration at center of gravity = 2,4 g</li> </ul> </li> </ul> |
| AS1170 Australia            | All types of soil class / floor zero                                                                                                                                                                                                                                                                                                                                                                                  | Soil type: Ee / Floor zero                                                                                                                                                                                                                                                                                                                                                                                                 |
| EAK 2000 Greece             | All types of soil class (delta)<br>Seismic importance factor: $\gamma_i = 1.3$<br>Ground acceleration factor: $\alpha = 0.36$<br>Foundation factor: $q = 1$<br>Quality factor = 1.35<br>Spectral amplification factor: $\beta_0 = 2.5$                                                                                                                                                                                | Soil type: D (delta)<br>Seismic importance factor: $\gamma_i = 0.85$<br>Ground acceleration factor: $\alpha = 0.12$<br>Foundation factor: $q = 1$<br>Quality factor = 1.35<br>Spectral amplification factor: $\beta_0 = 2.5$                                                                                                                                                                                               |
| ENDESA 1986                 | All seismic categories<br>Ground acceleration = 0.5 g                                                                                                                                                                                                                                                                                                                                                                 | Seismic category A<br>5 % damping<br>Ground acceleration = 0.5 g                                                                                                                                                                                                                                                                                                                                                           |
| RPA 99 2003<br>Algeria      | All types of soil class<br>Ground acceleration factor A = 0.36<br>Behavior factor R = 2<br>Quality factor Q = 1.35                                                                                                                                                                                                                                                                                                    | Soil type: S4<br>5 % damping<br>Ground acceleration factor A = 0.15<br>Behavior factor z = 2<br>Quality factor z = 1.35                                                                                                                                                                                                                                                                                                    |
| Core GR 63                  | Zone 4 with a factor of 0.8 for the severity of the vertical component relative to the severity of the horizontal component                                                                                                                                                                                                                                                                                           | 5 % damping<br>Zone 3                                                                                                                                                                                                                                                                                                                                                                                                      |
| Turkish Seismic Code 2009   | All types of site class<br>Importance factor = 1.5<br>Ground acceleration factor: A0 = 0.4                                                                                                                                                                                                                                                                                                                            | Site class: Z4<br>5 % damping<br>Importance factor = 1.5<br>Ground acceleration factor: A0 = 0.4                                                                                                                                                                                                                                                                                                                           |
| GOST 17516.1-90 Russia      | Civil market:<br>MSK (Mercalli) intensity 9, level 2.<br>Nuclear market:<br>MSK (Mercalli) intensity 9, level 0.<br>MSK (Mercalli) intensity 8, level 2.                                                                                                                                                                                                                                                              | Standard for the civil market<br>MSK (Mercalli) intensity 9, level 2: enclosure spectrum<br>CRT91C11200                                                                                                                                                                                                                                                                                                                    |
| IEEE 693                    | High level                                                                                                                                                                                                                                                                                                                                                                                                            | -                                                                                                                                                                                                                                                                                                                                                                                                                          |

New

SF

### Spacial SFP 5G solutions for seismic risks



| Characteristics      |             | Nominal dimensions (mm)                                                                                                                                                                                                                                                                   |     |     | Additional load tested (kg) | Plain door    | Side panels | 100 mm plinth |
|----------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----------------------------|---------------|-------------|---------------|
|                      |             | Two configurations of the Spacial SFP 5G cubicle were tested. Functional systems were installed on the cubicle and inspected at the end of the test to check that there was no damage. The two test configurations were as follows:<br>■ 1600 A configuration;<br>■ 3200 A configuration. |     |     |                             |               |             |               |
|                      |             | H                                                                                                                                                                                                                                                                                         | W   | D   |                             |               |             |               |
| Spacial SFP 5G       |             |                                                                                                                                                                                                                                                                                           |     |     |                             |               |             |               |
| 1600 A configuration | Spacial SFP | 2000                                                                                                                                                                                                                                                                                      | 700 | 500 | 350                         | NSYSFP5G20750 | NSY5G2SP205 | NSYS5GPC75    |
|                      | Busbar duct | 2000                                                                                                                                                                                                                                                                                      | 300 | 500 | 350                         | NSYSF5G20350  | NSY5G2SP205 | NSYS5GPC35    |
| 3200 A configuration | Spacial SFP | 2000                                                                                                                                                                                                                                                                                      | 700 | 800 | 450                         | NSYSFP5G20780 | NSY5G2SP208 | NSYS5GPC78    |
|                      | Busbar duct | 2000                                                                                                                                                                                                                                                                                      | 300 | 800 | 450                         | NSYSF5G20380  | NSY5G2SP208 | NSYS5GPC38    |

**NB:** - The width (300 mm) of the Spacial SFP 5G cubicle for the busbar duct is not compatible with the Spacial SF 5G cubicle.  
 - The customer must ensure good cubicle/base connection.

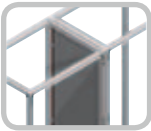
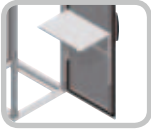

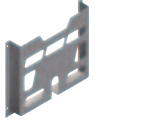
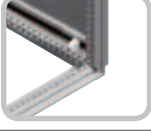


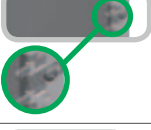
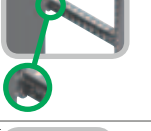
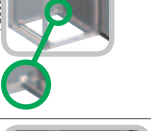

## Compliance with local standards

| Level and specifications of the standard |                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tested configurations                    | Spacial SFP 5G                                                                                                                                                                                                                                                                                                                                | Spacial SFP Standard                                                                                                                                                                                                                                                                                                                                 |
| 1600 A configuration                     | 2 x NSYSFP5G20750 + NSYS5GPC75 + NSYSFP5G20350 + NSYS5GPC35 + NSY5G2SP205 + 2 x NSYSFBK                                                                                                                                                                                                                                                       | 2 x NSYSFP20750 + NSYSFP20350 + NSY2SP205 + 2 x NSYSFBK                                                                                                                                                                                                                                                                                              |
| 3200 A configuration                     | 2 x NSYSFP5G20780 + NSYS5GPC78 + NSYSFP5G20380 + NSYS5GPC38 + NSY5G2SP208 + 2 x NSYSFBK                                                                                                                                                                                                                                                       | 2 x NSYSFP20780 + NSYSFP20380 + NSY2SP208 + 2 x NSYSFBK                                                                                                                                                                                                                                                                                              |
| Standard                                 |                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                      |
| EDF standard CRT91C11200                 | Required response spectrum:<br>■ Horizontal:<br><input type="checkbox"/> Floor acceleration = 1 g<br><input type="checkbox"/> Amplified max. acceleration at center of gravity = 5 g<br>■ Vertical:<br><input type="checkbox"/> Floor acceleration = 0,8 g<br><input type="checkbox"/> Amplified max. acceleration at center of gravity = 4 g | Required response spectrum:<br>■ Horizontal:<br><input type="checkbox"/> Floor acceleration = 0,71g<br><input type="checkbox"/> Amplified max. acceleration at center of gravity = 3,5 g<br>■ Vertical:<br><input type="checkbox"/> Floor acceleration = 0,56 g<br><input type="checkbox"/> Amplified max. acceleration at center of gravity = 2,8 g |
| AS1170 Australia<br>EAK 2000 Greece      | All types of soil class / floor zero<br>All types of soil class (delta)<br>Seismic importance factor: $\gamma_i = 1.3$<br>Ground acceleration factor: $\alpha = 0.36$<br>Foundation factor: $q = 1$<br>Quality factor = 1.35<br>Spectral amplification factor: $\beta_0 = 2.5$                                                                | Soil type: Ee / Floor zero<br>Soil type: D (delta)<br>Seismic importance factor: $\gamma_i = 0.85$<br>Ground acceleration factor: $\alpha = 0.12$<br>Foundation factor: $q = 1$<br>Quality factor = 1.35<br>Spectral amplification factor: $\beta_0 = 2.5$                                                                                           |
| ENDESA 1986                              | All seismic categories<br>Ground acceleration = 0.5 g                                                                                                                                                                                                                                                                                         | Seismic category A<br>5 % damping<br>Ground acceleration = 0.5 g                                                                                                                                                                                                                                                                                     |
| RPA 99 2003 Algeria                      | All types of soil class<br>Ground acceleration factor A = 0.36<br>Behavior factor R = 2<br>Quality factor Q = 1.35                                                                                                                                                                                                                            | Soil type: S4<br>5 % damping<br>Ground acceleration factor A = 0.15<br>Behavior factor = 2<br>Quality factor Q = 1.35                                                                                                                                                                                                                                |
| Core GR 63                               | Zone 4 with a factor of 0.8 for the severity of the vertical component relative to the severity of the horizontal component                                                                                                                                                                                                                   | 5 % damping<br>Zone 3                                                                                                                                                                                                                                                                                                                                |
| Turkish Seismic Code 2009                | All types of site class<br>Importance factor = 1.5<br>Ground acceleration factor: $A_0 = 0.4$                                                                                                                                                                                                                                                 | Site class: Z4<br>5 % damping<br>Importance factor = 1.5<br>Ground acceleration factor: $A_0 = 0.4$                                                                                                                                                                                                                                                  |
| GOST 17516.1-90 Russia                   | Civil market:<br>MSK (Mercalli) intensity 9, level 2.<br>Nuclear market:<br>MSK (Mercalli) intensity 9, level 0.<br>MSK (Mercalli) intensity 8, level 2.                                                                                                                                                                                      | Standard for the civil market<br>MSK (Mercalli) intensity 9, level 2: enclosure spectrum<br>CRT91C11200                                                                                                                                                                                                                                              |
| IEEE 693                                 | High level                                                                                                                                                                                                                                                                                                                                    | -                                                                                                                                                                                                                                                                                                                                                    |

New

SF

## Compatibility of accessories in seismic cubicles

| Accessories                                                                                            | Compatibility                                   | Comments                                                                                                                                                         | Trade references impacted |
|--------------------------------------------------------------------------------------------------------|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
|  <p>PB500528-20</p>   | Limited                                         | Not compatible with 19" racks or uprights                                                                                                                        | NSYPPS●●●                 |
|  <p>PB500611-16</p>   | Not compatible with SFP 5G                      | -                                                                                                                                                                | NSYSDT●                   |
|  <p>PB500485-13</p>   | Not compatible                                  | -                                                                                                                                                                | NSYSDP●M                  |
|  <p>PB500464-12</p>  | Limited                                         | NSYDPA5, NSYDPA4 and NASYDPA44 are compatible with 500, 600 and 800 mm doors<br>NSYDPA3 is only compatible with 800 mm doors<br>Not compatible with Prisma doors | NSYDPA●●                  |
|  <p>PB500613-16</p> | Not compatible with SFP 5G<br>Limited with SF5G | SF 5G not compatible in standard position                                                                                                                        | NSYSDRC                   |
|  <p>PB500477-6</p>  | Limited with SF/SFP 5G                          | Not compatible at the back of the enclosure                                                                                                                      | NSYMP●●●                  |
|  <p>PB500794-21</p> | Not compatible                                  | -                                                                                                                                                                | NSYIMP●●                  |
|  <p>PB500765</p>    | Not compatible                                  | -                                                                                                                                                                | NSYSMPFB                  |
|  <p>PB500787</p>    | Not compatible                                  | -                                                                                                                                                                | NSYMPFA                   |
|  <p>PB500791</p>    | Not compatible                                  | -                                                                                                                                                                | NSYSMPSB                  |
|  <p>PB500800-21</p> | Not compatible                                  | -                                                                                                                                                                | NSYSMPE●                  |

**NB:** None of the accessories is certified 5G.



New

S3D

> **Spacial S3D 6G** cubicles are designed to withstand earthquakes up to UBC zone 4.



### Strength

- Panel thickness:
- Casing + door: 20/10 mm;
- Entry flange: 15/10 mm.



### Security locking system

- EDF 1600 security locking system with captive key.



### Reinforced mounting plate

- Mounting plate reinforcement.
- Increased number of attachment points.



### Wall mounting

- Reinforced bracket for wall mounting.

New

S3D

### Spacial S3D 6G solutions for seismic risks



| Characteristics                  | Spacial S3D 6G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                  | Seismic applications up to UBC zone 4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Material                         | Steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Supply                           | <ul style="list-style-type: none"> <li>■ Monobloc casing (cross structure)</li> <li>■ Gutter-shaped front profile</li> <li>■ Flat back</li> <li>■ Plain door with EDF 1600 captive key lock</li> <li>■ &lt; H 600: 1 fastening point</li> <li>■ ≥ H 600: 3 fastening points with connecting rods</li> <li>■ 120° door opening</li> <li>■ Mounting plate galvanized before mounting</li> <li>■ Entry flange</li> <li>■ Two wall mounting brackets</li> <li>■ M6 x 16 earthing screws for equipotential connection between the cubicle door and casing</li> <li>■ Non-reversible door (for reversibility, please contact us)</li> </ul> |
| Finish                           | <ul style="list-style-type: none"> <li>■ Structured finish, epoxy-polyester powder</li> <li>■ Two coats of paint</li> <li>■ Paint 87 % decontaminatable by fission products (in accordance with NF T 30-501)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                               |
| Colour                           | RAL 7035                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Panel thickness                  | <ul style="list-style-type: none"> <li>■ Casing &amp; door: 20/10 mm</li> <li>■ Entry flange: 15/10 mm</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Ingress protection rating        | IP65                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Mechanical protection rating     | IK10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Standards                        | IEC 62208 (enclosure) - 60529 (IP) - 60262 (IK) - 60068                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Certifications                   | 6G certification as per CRT 91-C-112-00 (EDF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Dimensions H x W x D (mm)</b> | <b>References</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 300 x 250 x 150                  | <b>NSYS3D6G32515P</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 400 x 300 x 200                  | <b>NSYS3D6G4320P</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 600 x 500 x 250                  | <b>NSYS3D6G6525P</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 700 x 500 x 250                  | <b>NSYS3D6G7525P</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 800 x 600 x 300                  | <b>NSYS3D6G8630P</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 1200 x 800 x 400                 | <b>NSYS3D6G12840P</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

**NB:** The customer must ensure good cubicle/base connection.



| Characteristics   | Locks for cubicle                                        |                                                    | Padlocking lug              |
|-------------------|----------------------------------------------------------|----------------------------------------------------|-----------------------------|
|                   | ≤ H 600                                                  | > H 600                                            |                             |
|                   | With captive key.                                        | With captive key.                                  | Securing of cubicle access. |
| Material          | Zamak lock and metal cam                                 | Polyamide handle, metal connecting rods and cam    | White galvanized steel      |
| Supply            | 1- or 3-point lock with 1 lock button and 1 cremone bolt | 3-point lock with 1 lock button and 1 cremone bolt | -                           |
| <b>References</b> |                                                          |                                                    |                             |
| -                 | -                                                        | -                                                  | <b>NSYAEDLPADS3DK3</b>      |
| EDF 900           | <b>NSYAEDLEDF9K31</b>                                    | <b>NSYAEDLEDF9K33</b>                              | -                           |
| EDF 1300          | <b>NSYAEDLEDF13K31</b>                                   | <b>NSYAEDLEDF13K33</b>                             | -                           |
| EDF 1400          | <b>NSYAEDLEDF14K31</b>                                   | <b>NSYAEDLEDF14K33</b>                             | -                           |
| 1242E             | <b>NSYAEDL1242K31</b>                                    | <b>NSYAEDL1242K33</b>                              | -                           |
| 405E              | <b>NSYAEDL405K31</b>                                     | <b>NSYAEDL405K33</b>                               | -                           |
| 455E              | <b>NSYAEDL455K31</b>                                     | <b>NSYAEDL455K33</b>                               | -                           |

New

S3D



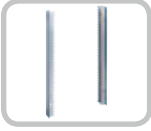





### Compliance with local standards

| Level and specifications of the standard |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| EDF standard M12D0168610                 | "Large equipment" MRI RRS: <ul style="list-style-type: none"> <li>■ Horizontal:                             <ul style="list-style-type: none"> <li>□ Floor acceleration = 2 g (1.8 g on the TRS)</li> <li>□ Amplified max. acceleration at center of gravity = 5 g</li> </ul> </li> <li>■ Vertical:                             <ul style="list-style-type: none"> <li>□ Floor acceleration = 2.4 g (2 g on the TRS)</li> <li>□ Amplified max. acceleration at center of gravity = 6 g</li> </ul> </li> </ul> |
| AS1170 Australia                         | All types of soil class / floor zero                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| EAK 2000 Greece                          | All types of soil class (delta)<br>Seismic importance factor: $\gamma_i = 1.3$<br>Ground acceleration factor: $\alpha = 0.36$<br>Foundation factor: $q = 1$<br>Quality factor = 1.35<br>Spectral amplification factor: $\beta_0 = 2.5$                                                                                                                                                                                                                                                                        |
| ENDESA 1986                              | All seismic categories<br>Ground acceleration = 0.5 g                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| RPA 99 2003 Algeria                      | All types of soil class<br>Ground acceleration factor $A = 0.36$<br>Behavior factor $R = 2$<br>Quality factor $Q = 1.35$                                                                                                                                                                                                                                                                                                                                                                                      |
| Core GR 63                               | Zone 4 with a factor of 0.8 for the severity of the vertical component relative to the severity of the horizontal component                                                                                                                                                                                                                                                                                                                                                                                   |
| Turkish Seismic Code 2009                | All types of site class<br>Importance factor = 1.5<br>Ground acceleration factor: $A_0 = 0.4$                                                                                                                                                                                                                                                                                                                                                                                                                 |
| GOST 17516.1-90 Russia                   | Civil market:<br>MSK (Mercalli) intensity 9, level 2.<br>Nuclear market:<br>MSK (Mercalli) intensity 9, level 0.<br>MSK (Mercalli) intensity 8, level 2.                                                                                                                                                                                                                                                                                                                                                      |
| IEEE 693                                 | High level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

New

S3D

## Table of Compatibility of accessories in 6G seismic S3D cubicles

| Accessories                                                                                                                      | Compatibility | Comments                                                            | Trade references impacted |
|----------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------------------------------------------------------|---------------------------|
| <small>PB500333-19</small><br> Door crosspiece  | No            | Door provided with a wire guide                                     | NSYTFPCRN●                |
| <small>PB500329-25</small><br> Canopy           | No            | Not compatible due to brackets                                      | NSYTJ●●●                  |
| <small>PB500322-11</small><br> 19" rack         | Limited       | Conditions: Drilling by customization department to be provided for | NSYVDM●●●●                |
| <small>PB500328-14</small><br> Interior door   | Limited       | Conditions: Drilling by customization department to be provided for | NSYPIN●●                  |
| <small>PB500223-25</small><br> Door stop      | No            | -                                                                   | NSYAEDRSCST               |
| <small>ISPA011_010-43</small><br> Door switch | Limited       | Conditions: Drilling by customization department to be provided for | NSYINLCRN                 |
| <small>PB500083-29</small><br> Diagram holder | Yes           | -                                                                   | NSYDPA●●                  |
| <small>PB500338-24</small><br> Lifting rings  | Limited       | Conditions: Drilling by customization department to be provided for | NSYAELYTCRG8              |

**Comment:** None of the accessories is certified 6G.

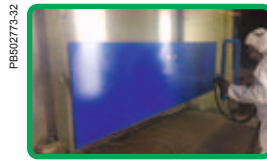
**New**

➤ The **Spacial S3D 6G K3** cubicle meets K3 requirements in accordance with RCCE 2012.



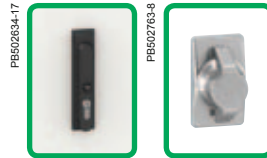
### Strength

- Panel thickness:
- Casing + door: 20/10 mm;
- Entry flange: 15/10 mm.



### Decontaminatable smooth paint, PID 100 series

- In compliance with CCTR 91.C.031.06 Two coats of paint (minimum thickness: 60 μ).
- Epoxy-polyester powder, PID 100 series.
- PIA-PIC 100 on request.



### Security locking system

- EDF 1600 security locking system with captive key.



### Reinforced mounting plate

- Mounting plate reinforcement.
- Increased number of attachment points.



### Earth continuity

Earth continuity between the interior and exterior of the cubicle is provided by 2 opposite welded studs (external earth screw principle).

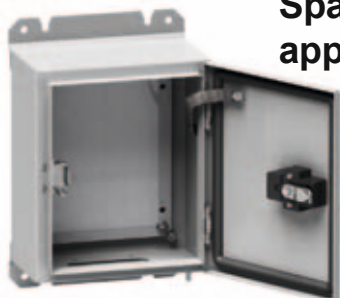


### Wall mounting

- Reinforced bracket for wall mounting.

New

PE502761SE-46



### Spacial S3D 6G K3 solutions for nuclear applications

| Characteristics                  | Spacial S3D 6G K3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                  | Seismic application for nuclear power station.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Material                         | Steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Supply                           | <ul style="list-style-type: none"> <li>■ Monobloc casing (cross structure)</li> <li>■ Gutter-shaped front profile</li> <li>■ Flat back</li> <li>■ Plain door with EDF 1600 captive key lock</li> <li>■ &lt; 600: 1 fastening point</li> <li>■ ≥ 600: 3 fastening points</li> <li>■ 120° door opening</li> <li>■ Mounting plate galvanized before mounting</li> <li>■ Entry flange</li> <li>■ Two wall mounting brackets</li> <li>■ M6 x 16 earthing screws and earth strap for equipotential connection between the cubicle door and casing</li> <li>■ Earth continuity between the interior and exterior of the cubicle is provided by 2 opposite welded studs (external earth screw principle)</li> <li>■ Non-reversible door (for reversibility, please contact us)</li> </ul> |
| Finish                           | <ul style="list-style-type: none"> <li>■ Epoxy-polyester powder</li> <li>■ Decontaminatable paint: PID 100 series</li> <li>■ On request: PIA 100 series and PIC 100 series</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Colour                           | <ul style="list-style-type: none"> <li>■ RAL 7035</li> <li>■ Other shades in PIA-PID 100 series, PIC 100 series. Please contact us</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Ingress protection rating        | IP65                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Mechanical protection rating     | IK10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Standards                        | IEC 62208, IEC 60529, IEC 62262, IEC 60068                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Certifications                   | <ul style="list-style-type: none"> <li>■ 6G certification</li> <li>■ Meets K3 requirements in accordance with RCCE 2012</li> <li>■ EDF reference documents:                             <ul style="list-style-type: none"> <li><input type="checkbox"/> CCTR paint and FNP file;</li> <li><input type="checkbox"/> RCC-E: Electrical equipment construction code;</li> <li><input type="checkbox"/> Packaging technical specification;</li> <li><input type="checkbox"/> "PMUC" (products and materials used in nuclear generating stations)</li> </ul> </li> </ul>                                                                                                                                                                                                               |
| <b>Dimensions H x W x D (mm)</b> | <b>References</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 300 x 250 x 150                  | <b>NSYS3D32515PK3</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 400 x 300 x 200                  | <b>NSYS3D4320PK3</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 600 x 500 x 250                  | <b>NSYS3D6525PK3</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 700 x 500 x 250                  | <b>NSYS3D7525PK3</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 800 x 600 x 300                  | <b>NSYS3D8630PK3</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 1200 x 800 x 400                 | <b>NSYS3D12840PK3</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

PE502763-10



PE502764-6





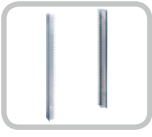
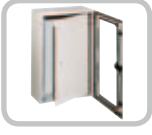




PE502765



| Characteristics   | Locks for cubicle                                        |                                                                      | Padlocking lug                                        |
|-------------------|----------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------|
|                   | ≤ H 600                                                  | > H 600                                                              |                                                       |
| Material          | With captive key.<br>Zamak lock and metal cam            | With captive key.<br>Polyamide handle, metal connecting rods and cam | Securing of cubicle access.<br>White galvanized steel |
| Supply            | 1- or 3-point lock with 1 lock button and 1 cremone bolt | 3-point lock with 1 lock button and 1 cremone bolt                   | -                                                     |
| <b>References</b> |                                                          |                                                                      | <b>NSYAEDLPADS3DK3</b>                                |
| -                 | -                                                        | -                                                                    | -                                                     |
| EDF 900           | <b>NSYAEDLEDF9K31</b>                                    | <b>NSYAEDLEDF9K33</b>                                                | -                                                     |
| EDF 1300          | <b>NSYAEDLEDF13K31</b>                                   | <b>NSYAEDLEDF13K33</b>                                               | -                                                     |
| EDF 1400          | <b>NSYAEDLEDF14K31</b>                                   | <b>NSYAEDLEDF14K33</b>                                               | -                                                     |
| 1242E             | <b>NSYAEDL1242K31</b>                                    | <b>NSYAEDL1242K33</b>                                                | -                                                     |
| 405E              | <b>NSYAEDL405K31</b>                                     | <b>NSYAEDL405K33</b>                                                 | -                                                     |
| 455E              | <b>NSYAEDL455K31</b>                                     | <b>NSYAEDL455K33</b>                                                 | -                                                     |

New

## Table of Compatibility of accessories in 6G K3 seismic S3D cubicles

| Accessories                                                                                                  | Compatibility | Comments                                                            | Trade references impacted |
|--------------------------------------------------------------------------------------------------------------|---------------|---------------------------------------------------------------------|---------------------------|
|  <p>PB50033-19</p>          | No            | Door provided with a wire guide                                     | NSYTFPCRN●                |
|  <p>PB500329-26</p>         | No            | Not compatible due to brackets                                      | NSYTJ●●●                  |
|  <p>PB50032-11</p> | Limited       | Conditions: Drilling by customization department to be provided for | NSYVDM●●●●                |
|  <p>PB500328-14</p>        | Limited       | Conditions: Drilling by customization department to be provided for | NSYPIN●●                  |
|  <p>PB50023-26</p>        | No            | -                                                                   | NSYAEDRSCST               |
|  <p>ISPA01_010-43</p>     | Limited       | Conditions: Drilling by customization department to be provided for | NSYINLCRN                 |
|  <p>PB500083-29</p>       | Yes           | -                                                                   | NSYDPA●●                  |
|  <p>PB500338-24</p>       | Limited       | Conditions: Drilling by customization department to be provided for | NSYAELYTCRG8              |

**Comment:** None of the accessories is certified 6G K3.

New

### 1 > Special dimensions

We meet the K3 requirements as per RCCE 2012 for the special dimensions mentioned below. These dimensions appear in the Reference File.

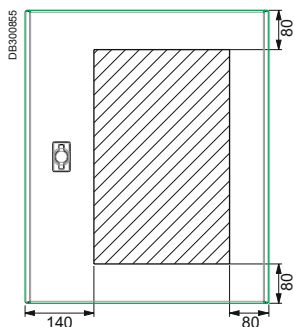
| Height | Available depths |  |             |  | Width           |  |                 |  |                 |  |                 |  |
|--------|------------------|--|-------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|
| 1200   |                  |  |             |  | 200/250/300/400 |  | 200/250/300     |  |                 |  |                 |  |
| 1000   |                  |  |             |  | 200/250/300/400 |  | 200/250/300/400 |  |                 |  |                 |  |
| 800    |                  |  |             |  | 200/250/300     |  | 200/250/300     |  | 200/250/400     |  | 200/250/300/400 |  |
| 700    |                  |  |             |  | 200/250/300     |  | 200/300         |  | 200/250/300/400 |  |                 |  |
| 600    |                  |  |             |  | 200/250/300     |  | 200/300         |  | 200/250/300/400 |  |                 |  |
| 500    | 150/200          |  | 150/200/250 |  | 200/250/300     |  | 200/250/300     |  |                 |  |                 |  |
| 400    | 150/200          |  | 150/250     |  |                 |  |                 |  |                 |  |                 |  |
| 300    | 200              |  | 150/200/250 |  |                 |  |                 |  |                 |  |                 |  |
|        | 250              |  | 300         |  | 400             |  | 500             |  | 600             |  | 800             |  |

### 2 > Cut-outs

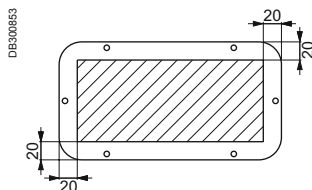
We meet the K3 requirements as per RCCE 2012 for the cut-outs mentioned below. These cut-outs appear in the Reference File.

#### Customization areas ensuring K3 certification

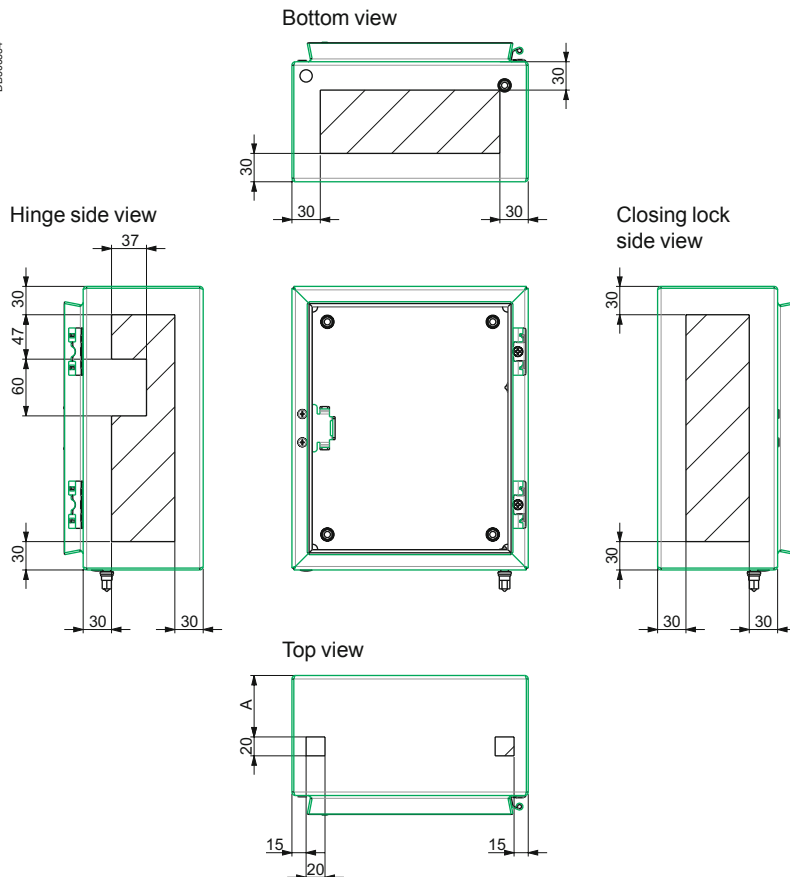
Door



Entry flange



Casing



| Depth | A   |
|-------|-----|
| 150   | 65  |
| 200   | 82  |
| 250   | 98  |
| 300   | 115 |
| 400   | 148 |



New

### 3 > Paints

Referencing of the following paints in the FNP (national paint file):

| AFNOR / RAL | Colors of PIA-PID 100 series |
|-------------|------------------------------|
| AFNOR       | 1550                         |
|             | 1570                         |
|             | 2550                         |
|             | 2570                         |
| RAL         | 1003                         |
|             | 5005                         |
|             | 5024                         |
|             | 7036                         |

| AFNOR / RAL | Colors of PIC 100 series |
|-------------|--------------------------|
| AFNOR       | 1550                     |
|             | 1570                     |
|             | 2550                     |
|             | 2570                     |
| RAL         | 1003                     |
|             | 5005                     |
|             | 5024                     |
|             | 7036                     |

Others colors available: consult us.

### 4 > Packaging

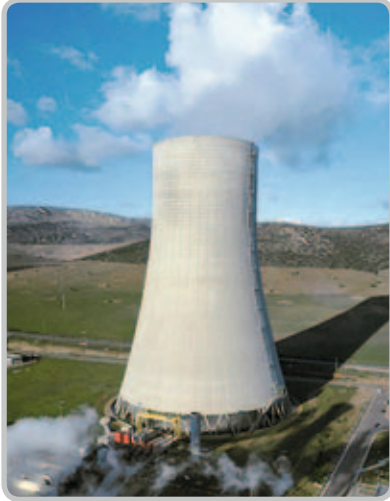
We can produce a special corrosion protection packaging (Gardac type).



# Seismic and nuclear enclosures

## A demanding nuclear market

New



Our range of **Spacial 3D nuclear** cubicles meets the K3 requirements of RCCE 2012. The Schneider Electric cubicle production plant has established processes to ensure K3 certification.

➤ Establishment of a line architecture adapted to the requirements mentioned in RCCE 2012, implying:

- Hold points;
- Check points;
- Control of "AIP" activities that are important for protection

➤ Manufacturing completion report with:

- Declaration of conformity.
- Monitoring document.
- Report and test report.

➤ Establishment of a Particular Quality Assurance Plan (PQAP)

➤ Reference documents for the nuclear industry: RCC-E, CCTR, FNP, packaging technical specification, "PMUC" (products and materials used in nuclear generating stations), SGAQ-2013-03, Arrêté INB 2012

New

### Nuclear safety has 3 objectives

Control reactivity

Cool the fuel

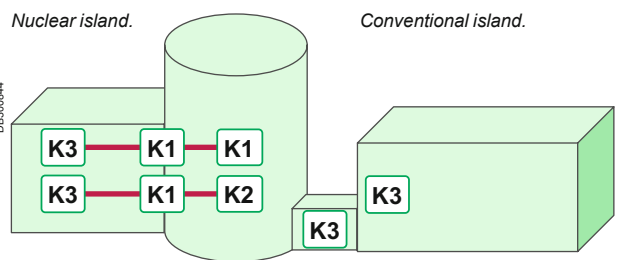
Confine radioactive products

### Technical choices and safety rules

The technical choices and safety rules are stipulated by the operator with full responsibility relative to the French nuclear safety authority (ASN) (representing the state) depending on the location in the installation and whether or not they form part of the safety circuits. The products undergo tests to ensure their operation in accidental conditions.



A safety circuit consists of several equipment items. Their certification depends on their location. Equipment interfacing between the core and the other buildings is always K1 (risk of radioactive leakage).



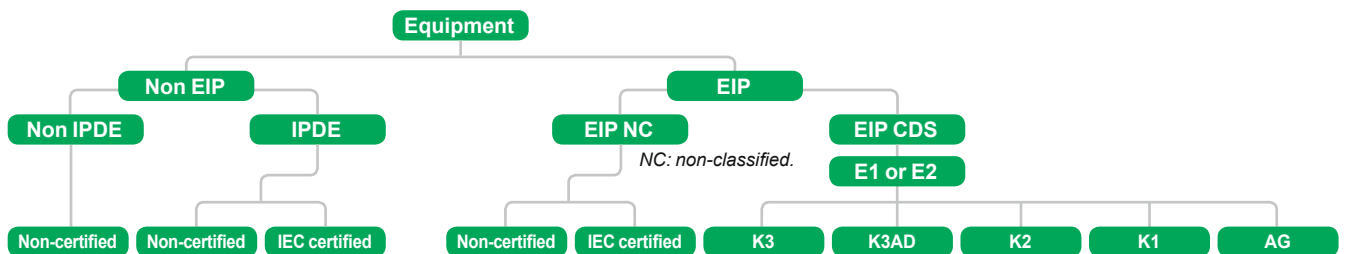
### Certifications necessary to work in the nuclear industry

2 certifications are necessary to work in the nuclear industry

- Product and equipment certifications imply demanding performances validated by technical documents and by tests. In the event of a change in the product, it must be **explained and justified** that the initial certification is maintained.
- Certifications of industrial organizations and services related to products and equipment.

The products equipping French nuclear facilities in this catalogue comply with the RCC-E 2012 standard.

### Terminology of equipment classifications used in nuclear power stations



EIP: Equipment Important for Protection.  
 IPDE: Important for operating availability.  
 CDS: safety-classified.  
 Schneider is concerned only by E1 (elec. classification).

### Tests corresponding to specific classifications for EIP equipment

- K3 > ref. tests + functional operating limits + ageing + earthquake
- K3AD > K3 + environmental resistance (irradiation, heat, spraying)
- K2 > K3 + resistance to ageing irradiation (250 Kgy)
- K1 > K2 + resistance to accidental irradiation (600 Kgy) + ADR
- AG > K1 reinforced only for EPR power stations

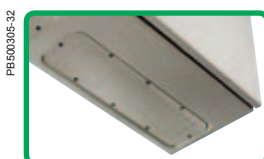
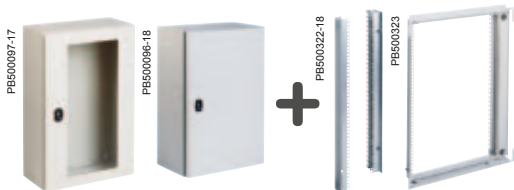
## > Spacial VDM



### Simplified installation

Pre-installed fixed or swing rack; earth connection placed between the door and the body; the enclosure is ready to use; the cardboard packaging can be reused after cabling.

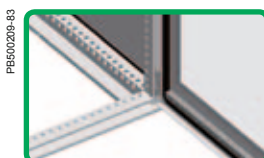
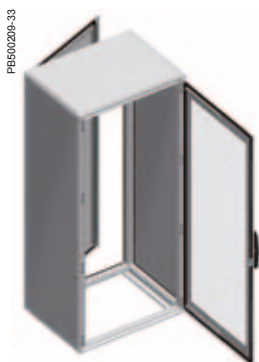
## > Spacial S3D



### Practical

Cable-gland plates at top and bottom:  
 ■ on the rear part (2-body enclosure),  
 ■ on the body (1-body enclosure).

## > Spacial SF



### Suitable metal enclosure

Enclosure prepared for the installation of standard 19" racks in professional telecommunication, voice, data and electronic facilities, by means of 19" fixed and swing racks, see page 378.

This range can be configured according to your needs

4 different services available:



Assemble to order



Mounting of standard accessories



Painting



Machining

See page 450 for details or consult our web site [www.schneider-electric.com](http://www.schneider-electric.com)

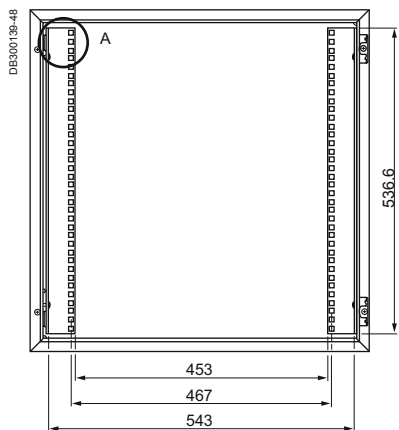
# Electronic application Characteristics



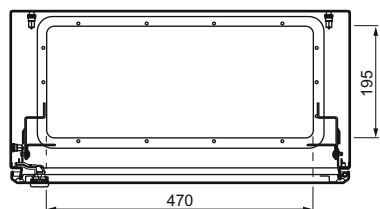
| Characteristics              |                                                                                                                                                                                                                             |            |             | Spacial VDM 19"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |             |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|
|                              |                                                                                                                                                                                                                             |            |             | 1-body                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2-body      |             |
|                              |                                                                                                                                                                                                                             |            |             | <ul style="list-style-type: none"> <li>Single-piece body, folded and welded. Front rail with double sheet thickness, gutter-shaped.</li> <li>Perforated rails on the door, with drill holes of Ø 4.2 mm in steps of 25 mm.</li> <li>Transparent door, Securit® glass, easily removable and reversible, with 20-mm return with double thickness granting excellent rigidity, opening to 120°, equipped with 2 or 3 invisible hinges. Three closure points for heights of more than 600 mm.</li> <li>Polyurethane gasket.</li> <li>6 mm² earth connection placed between the door and the body of the enclosure.</li> </ul> |             |             |
| Material                     | Steel                                                                                                                                                                                                                       |            |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |             |
| Finish                       | Structured finish, polyester powder                                                                                                                                                                                         |            |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |             |
| Colour                       | RAL 7035 grey                                                                                                                                                                                                               |            |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |             |
| Ingress protection rating    | IP66                                                                                                                                                                                                                        |            |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |             |
| Mechanical protection rating | IK08                                                                                                                                                                                                                        |            |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |             |
| Maximum load                 | 3 kg per unit                                                                                                                                                                                                               |            |             | 2 kg per unit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |             |
| Other characteristics        | <ul style="list-style-type: none"> <li>Enclosure in 2 pieces: body + door</li> <li>Cable-gland plate at the bottom of the enclosure</li> <li>Fixed rack depth-adjustable in steps of 25 mm using the step slides</li> </ul> |            |             | <b>Rear</b> <ul style="list-style-type: none"> <li>Depth: 150 mm</li> <li>Internal attachment point for fixing various supports</li> <li>Hinges and locking system with the body</li> <li>Cable-gland plate at the top and bottom</li> </ul> <b>Body</b> <ul style="list-style-type: none"> <li>Usable depth of 183 or 283 mm</li> <li>Two 19" uprights made from treated steel, installed 65 mm back from the front panel</li> <li>Intermediate body installed on the rear with 120° hinge</li> </ul>                                                                                                                    |             |             |
| Supply                       | Wall-mounting enclosure supplied with 3-mm double-bar lock as standard                                                                                                                                                      |            |             | Wall-mounting enclosure supplied with 3-mm double-bar lock as standard                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |             |
| Height (mm)                  | Width (mm)                                                                                                                                                                                                                  | Depth (mm) | Number of U | Fixed rack                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Swing rack  | Fixed rack  |
| 300                          | 600                                                                                                                                                                                                                         | 380        | 5           | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -           | NSYVD2M5U4  |
|                              |                                                                                                                                                                                                                             | 400        | 4           | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | NSYVDM4U4P  | -           |
|                              |                                                                                                                                                                                                                             | 400        | 5           | NSYVDM5U4F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -           | -           |
|                              |                                                                                                                                                                                                                             | 480        | 5           | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -           | NSYVD2M5U5  |
|                              |                                                                                                                                                                                                                             | 500        | 5           | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -           | -           |
| 400                          | 600                                                                                                                                                                                                                         | 380        | 8           | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -           | NSYVD2M8U4  |
|                              |                                                                                                                                                                                                                             | 400        | 7           | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | NSYVDM7U4P  | -           |
|                              |                                                                                                                                                                                                                             | 400        | 8           | NSYVDM8U4F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -           | -           |
|                              |                                                                                                                                                                                                                             | 480        | 8           | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -           | NSYVD2M8U5  |
|                              |                                                                                                                                                                                                                             | 500        | 8           | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -           | -           |
| 500                          | 600                                                                                                                                                                                                                         | 380        | 10          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -           | NSYVD2M10U4 |
|                              |                                                                                                                                                                                                                             | 400        | 9           | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | NSYVDM9U4P  | -           |
|                              |                                                                                                                                                                                                                             | 400        | 10          | NSYVDM10U4F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -           | -           |
|                              |                                                                                                                                                                                                                             | 480        | 10          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -           | NSYVD2M10U5 |
|                              |                                                                                                                                                                                                                             | 500        | 10          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -           | -           |
| 700                          | 600                                                                                                                                                                                                                         | 380        | 14          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -           | NSYVD2M14U4 |
|                              |                                                                                                                                                                                                                             | 400        | 13          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | NSYVDM13U4P | -           |
|                              |                                                                                                                                                                                                                             | 400        | 14          | NSYVDM14U4F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -           | -           |
|                              |                                                                                                                                                                                                                             | 480        | 14          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -           | NSYVD2M14U5 |
|                              |                                                                                                                                                                                                                             | 500        | 14          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -           | -           |
| 800                          | 600                                                                                                                                                                                                                         | 380        | 17          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -           | NSYVD2M17U4 |
|                              |                                                                                                                                                                                                                             | 400        | 16          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | NSYVDM16U4P | -           |
|                              |                                                                                                                                                                                                                             | 400        | 17          | NSYVDM17U4F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -           | -           |
|                              |                                                                                                                                                                                                                             | 480        | 17          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -           | NSYVD2M17U5 |
|                              |                                                                                                                                                                                                                             | 500        | 17          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -           | -           |

### 1-body 19" enclosure

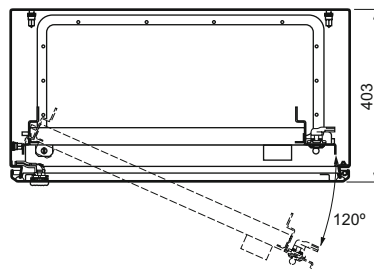
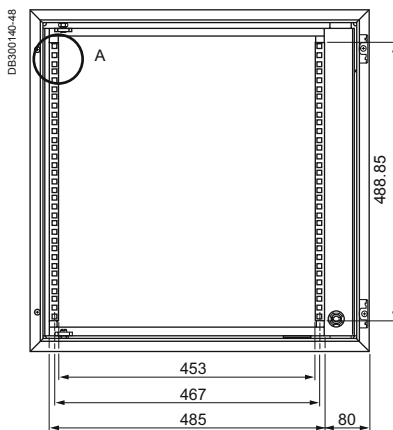
#### Fixed chassis



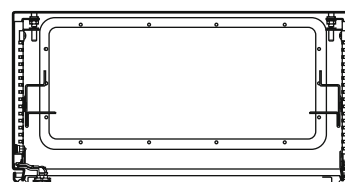
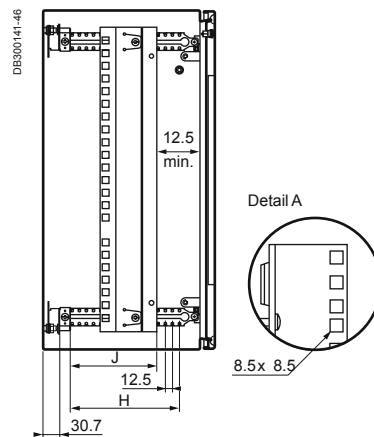
#### Top view



#### Swing chassis



#### Fixed chassis mounted on the step slides



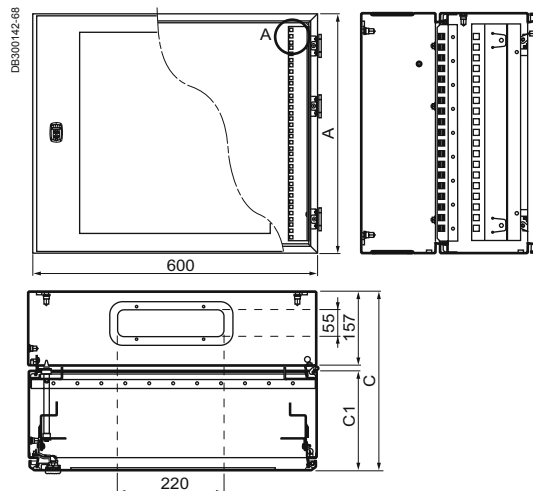
Cable-gland plate 495 x 220 mm.

| H (bars)<br>(mm) | J (travel)<br>(mm) |
|------------------|--------------------|
| 200              | 100                |
| 250              | 150                |
| 300              | 200                |
| 400              | 300                |

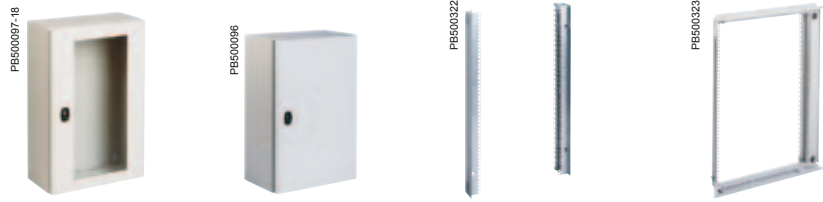
### 2-body 19" enclosure

| A (mm) | C (mm) | C1 (mm) | References  |
|--------|--------|---------|-------------|
| 300    | 373    | 183     | NSYVD2M5U4  |
| 400    | 373    | 183     | NSYVD2M5U5  |
| 500    | 373    | 183     | NSYVD2M8U4  |
| 700    | 373    | 183     | NSYVD2M8U5  |
| 800    | 373    | 183     | NSYVD2M10U4 |
| 300    | 473    | 283     | NSYVD2M10U5 |
| 400    | 473    | 283     | NSYVD2M14U4 |
| 500    | 473    | 283     | NSYVD2M14U5 |
| 700    | 473    | 283     | NSYVD2M17U4 |
| 800    | 473    | 283     | NSYVD2M17U5 |

Cable-gland plate S3D type dimensions 245 x 80 mm.



# Electronic application Characteristics



| Characteristics              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            | Spacial S3D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |                                                                                                                                                                                                            |            |                                                                           |             |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------------------------------------------------------------------|-------------|
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            | Empty enclosure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             | Fixed rack (1)                                                                                                                                                                                             |            | Swing rack (1)                                                            |             |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            | <ul style="list-style-type: none"> <li>Single-piece body (cross-shaped structure). Gutter-shaped front profile with double fold. Flat rear.</li> <li>Cable-gland plate with marking for easy drilling and to guarantee the maximum access surface; delivered with the enclosure. This plate is flush with the body of the enclosure.</li> <li>Glazed door, 4-mm-thick Securit® glass, easily removable and reversible, with 20-mm return with double thickness granting excellent rigidity, opening to 120°, equipped with 2 or 3 invisible hinges (2). Door opening to 180° with optional hinges (page 68).</li> </ul> |             | 19" fixed chassis comprising 2 19" uprights with fixing. <ul style="list-style-type: none"> <li>Thickness: 20/10° mm.</li> <li>Adjustable in depth by fixing on the step slides in accessories.</li> </ul> |            | 19" swing chassis opening to 120° with closure by 3 mm double bar insert. |             |
| Material                     | Steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |            | Galvanized steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |             | Steel                                                                                                                                                                                                      |            |                                                                           |             |
| Finish                       | Structured finish, epoxy-polyester powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             | Epoxy-polyester powder                                                                                                                                                                                     |            |                                                                           |             |
| Colour                       | RAL 7035 grey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             | RAL 7035 grey                                                                                                                                                                                              |            |                                                                           |             |
| Ingress protection rating    | <ul style="list-style-type: none"> <li>IP66 for the single-door enclosures</li> <li>IP55 for the double-door enclosures</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             | -                                                                                                                                                                                                          |            |                                                                           |             |
| Mechanical protection rating | <ul style="list-style-type: none"> <li>IK10 for the plain-door enclosures, according to IEC 62262</li> <li>IK08 for the glazed-door enclosures</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             | -                                                                                                                                                                                                          |            |                                                                           |             |
| Maximum load                 | 50 kg/m <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            | 3 kg per unit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             | 3 kg per unit                                                                                                                                                                                              |            |                                                                           |             |
| Fixing                       | Direct wall-mounting (4 Ø 10 holes for the sealing plugs guaranteeing the IP) or with the help of fixing lugs installed from the outside (to be ordered separately, see page 60)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             | -                                                                                                                                                                                                          |            |                                                                           |             |
| Other characteristics        | <ul style="list-style-type: none"> <li>For heights from 600 mm, three locking points with linkage, with a single control point. Simple reversal of linkage</li> <li>A handle is delivered which provides 2 functions:               <ul style="list-style-type: none"> <li>operating key</li> <li>tool for loosening the stud protection caps.</li> </ul>               This handle can be solidly attached to the locking system by means of a captive element             </li> <li>Perforated rails on the door, with drill holes with a diameter of 4.2 mm in steps of 25 mm:               <ul style="list-style-type: none"> <li>2 vertical rails from the height of 400 mm</li> <li>2 vertical rails and 2 horizontal rails from the width of 800 mm</li> </ul> </li> </ul> |            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             | -                                                                                                                                                                                                          |            |                                                                           |             |
| Supply                       | Wall-mounting enclosure supplied with 3-mm double-bar lock as standard                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             | -                                                                                                                                                                                                          |            |                                                                           |             |
| Height (mm)                  | Width (mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Depth (mm) | Glazed door                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Plain door  | Number of U                                                                                                                                                                                                |            | Number of U                                                               |             |
| 400                          | 600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 200        | NSYS3D4620T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NSYS3D4620  | 8                                                                                                                                                                                                          | NSYVDM8UF  | 7                                                                         | NSYVDM7UP   |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 250        | NSYS3D4625T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NSYS3D4625  | 8                                                                                                                                                                                                          | NSYVDM8UF  | 7                                                                         | NSYVDM7UP   |
| 600                          | 600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 200        | NSYS3D6620T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NSYS3D6620  | 12                                                                                                                                                                                                         | NSYVDM12UF | 11                                                                        | NSYVDM11UP  |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 250        | NSYS3D6625T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NSYS3D6625  | 12                                                                                                                                                                                                         | NSYVDM12UF | 11                                                                        | NSYVDM11UP  |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 300        | NSYS3D6630T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NSYS3D6630  | 12                                                                                                                                                                                                         | NSYVDM12UF | 11                                                                        | NSYVDM11UP  |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 400        | NSYS3D6640T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NSYS3D6640  | 12                                                                                                                                                                                                         | NSYVDM12UF | 11                                                                        | NSYVDM11UP  |
| 800                          | 600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 200        | NSYS3D8620T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NSYS3D8620  | 17                                                                                                                                                                                                         | NSYVDM17UF | 16                                                                        | NSYVDM16UP  |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 250        | NSYS3D8625T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NSYS3D8625  | 17                                                                                                                                                                                                         | NSYVDM17UF | 16                                                                        | NSYVDM16UP  |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 300        | NSYS3D8630T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NSYS3D8630  | 17                                                                                                                                                                                                         | NSYVDM17UF | 16                                                                        | NSYVDM16UP  |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 400        | NSYS3D8640T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NSYS3D8640  | 17                                                                                                                                                                                                         | NSYVDM17UF | 16                                                                        | NSYVDM16UP  |
| 1000                         | 600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 250        | NSYS3D10625T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NSYS3D10625 | 21                                                                                                                                                                                                         | NSYVDM21UF | 20                                                                        | NSYVDM20UP  |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 300        | NSYS3D10630T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NSYS3D10630 | -                                                                                                                                                                                                          | -          | -                                                                         | -           |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 400        | NSYS3D10640T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NSYS3D10640 | 21                                                                                                                                                                                                         | NSYVDM21UF | 20                                                                        | NSYVDM20UP  |
|                              | 800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 250        | NSYS3D10825T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NSYS3D10825 | -                                                                                                                                                                                                          | -          | 20                                                                        | NSYVDM20U8P |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 300        | NSYS3D10830T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NSYS3D10830 | -                                                                                                                                                                                                          | -          | 20                                                                        | NSYVDM20U8P |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 400        | NSYS3D10840T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NSYS3D10840 | -                                                                                                                                                                                                          | -          | 20                                                                        | NSYVDM20U8P |
| 1200                         | 800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 300        | NSYS3D12830T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NSYS3D12830 | -                                                                                                                                                                                                          | -          | 25                                                                        | NSYVDM25U8P |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 400        | NSYS3D12840T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NSYS3D12840 | -                                                                                                                                                                                                          | -          | 25                                                                        | NSYVDM25U8P |

(1) The racks are to be ordered separately.  
(2) From the height of 800 mm.

### Composition accessories

#### Fixing lugs



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#### Post-fixing device



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### Door accessories

#### Inserts



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#### Handle with keys



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#### Other locking systems



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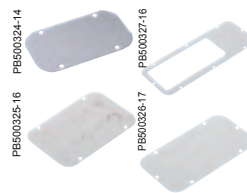
#### Hinges



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### Cable-entry accessories

#### Cable-gland plates for Spacial S3D enclosure



Page 70

#### ISO cable glands



Page 280

#### Multiple cable entry



Page 275



### Composition accessories

#### Plinth-fixing device



PB501637-28

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#### Canopy



PB500329-35

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### Door accessories

#### Door retainer



PB500223-41

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#### Door switch



PB501638-28

Page 295

#### Door rails



PB500333-30

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#### Earthing systems



PB500407-42

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### Mounting accessories

#### 19" fixed and swing racks

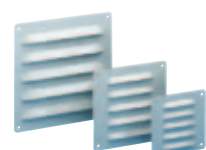


PB500323-18

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### Thermal accessories

#### Ventilation systems



PB500769-36

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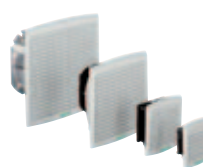
#### Thermal control



PB501639-20

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#### Ventilation systems



PB501021-37

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#### Insulated resistance heaters



PB501026-16

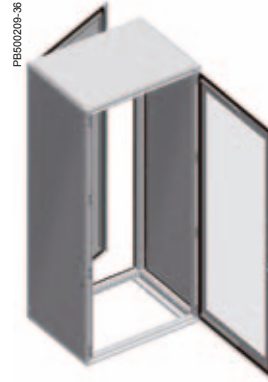
PB501027-16

PE501029-12

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# Electronic application

## Characteristics

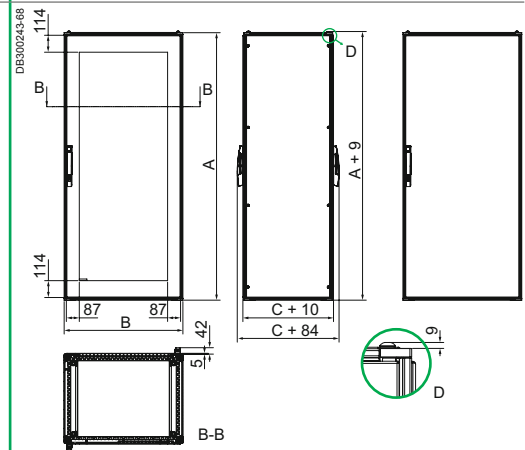


| Characteristics | Spacial SF electronic application enclosure |
|-----------------|---------------------------------------------|
|-----------------|---------------------------------------------|

- Structure: top and bottom frame and vertical uprights.
- Transparent front door with Securit® glass.
- Plain rear door.
- Standard locking system with handle and 5-mm double-bar insert.
- Removable roof.
- External fixing side panels double folded to increase their rigidity with captive fixing screws that reduce installation time.
- In enclosures with widths of 600 and 800 mm, it is possible to install fixed or swing racks, to be ordered separately.

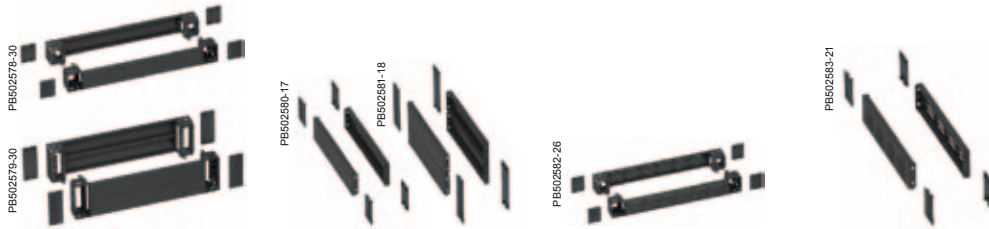
|                |                                    |
|----------------|------------------------------------|
| Material       | Sheet steel                        |
| Finish         | Painted with epoxy-polyester resin |
| Colour         | RAL 7035 grey                      |
| Certifications | BV, DNV, UL*, CUL                  |

| Height (A) | Width (B) | Depth (C) | References   |
|------------|-----------|-----------|--------------|
| 1200       | 600       | 600       | NSYSF12660E  |
|            |           | 800       | NSYSF12680E  |
|            | 800       | 600       | NSYSF12860E  |
|            |           | 800       | NSYSF12880E  |
| 2000       | 600       | 600       | NSYSF20660E  |
|            |           | 800       | NSYSF20680E  |
|            | 800       | 600       | NSYSF20860E  |
|            |           | 800       | NSYSF20880E  |
|            |           | 1000      | NSYSF208100E |
| 2200       | 600       | 600       | NSYSF22660E  |
|            |           | 800       | NSYSF22680E  |
|            |           | 1000      | NSYSF226100E |
|            | 800       | 600       | NSYSF22860E  |
|            |           | 800       | NSYSF22880E  |
|            |           | 1000      | NSYSF228100E |



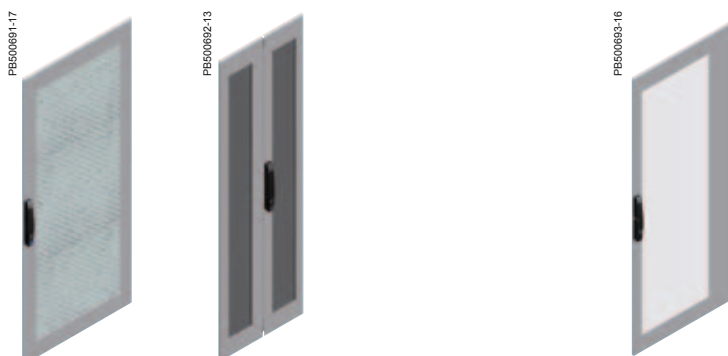
\*1, 12, 12K

## Plinth



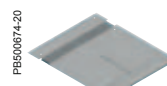
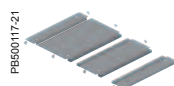
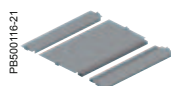
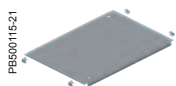
| Characteristics              | Front plinth                                                                                                                                                                                                                                         | Plinth side panels                                                                                                                                                                                                                     | Ventilated front plinth                                                                                                                                 | Ventilated plinth side panels                                                                                                    |               |               |               |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------|---------------|---------------|
|                              | The front and rear of the plinth consists of 4 corners with 2 or 4 panels.                                                                                                                                                                           | They are fixed to the corner of the plinth by 2 fixing screws.                                                                                                                                                                         | The front and rear of the ventilated plinth is made up of 4 corners with 2 front panels.                                                                | They are fixed to the corner of the plinth by fixing screws.                                                                     |               |               |               |
| Material                     | Folded sheet steel, corner with a thickness of 25/10° mm                                                                                                                                                                                             | Folded sheet steel                                                                                                                                                                                                                     | Folded sheet steel, corner with a thickness of 25/10° mm                                                                                                | Folded sheet steel                                                                                                               |               |               |               |
| Finish                       | Painted with epoxy-polyester resin                                                                                                                                                                                                                   | Painted with epoxy-polyester resin                                                                                                                                                                                                     | Painted with epoxy-polyester resin                                                                                                                      | Painted with epoxy-polyester resin                                                                                               |               |               |               |
| Colour                       | RAL 7022 grey                                                                                                                                                                                                                                        | RAL 7022 grey                                                                                                                                                                                                                          | RAL 7022 grey                                                                                                                                           | RAL 7022 grey                                                                                                                    |               |               |               |
| Ingress protection rating    | IP30                                                                                                                                                                                                                                                 | IP30                                                                                                                                                                                                                                   | IP20                                                                                                                                                    | IP20                                                                                                                             |               |               |               |
| Mechanical protection rating | IK10                                                                                                                                                                                                                                                 | IK10                                                                                                                                                                                                                                   | IK10                                                                                                                                                    | IK10                                                                                                                             |               |               |               |
| Supply                       | <ul style="list-style-type: none"> <li>■ Height 100 mm: 4 corners, 2 panels (front and rear), 4 corner covers and fixing elements</li> <li>■ Height 200 mm: 4 corners, 4 panels (2 front and 2 rear), 4 corner covers and fixing elements</li> </ul> | <ul style="list-style-type: none"> <li>■ Height 100 mm: 2 side panels, 4 corner covers and fixing elements</li> <li>■ Height 200 mm: 4 side panels (height of 100 mm, 2 for each side), 4 corner covers and fixing elements</li> </ul> | <ul style="list-style-type: none"> <li>■ Height 100 mm: 4 corners, 2 ventilated panels (front and rear), 4 corner covers and fixing elements</li> </ul> | <ul style="list-style-type: none"> <li>■ Height 100 mm: 2 ventilated side panels, 4 corner covers and fixing elements</li> </ul> |               |               |               |
| <b>References</b>            |                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                        |                                                                                                                                                         |                                                                                                                                  |               |               |               |
| <b>Width (mm)</b>            | <b>Depth (mm)</b>                                                                                                                                                                                                                                    | <b>100 mm</b>                                                                                                                                                                                                                          | <b>200 mm</b>                                                                                                                                           | <b>100 mm</b>                                                                                                                    | <b>200 mm</b> | <b>100 mm</b> | <b>100 mm</b> |
| 600                          | 600                                                                                                                                                                                                                                                  | NSYSPP6100                                                                                                                                                                                                                             | NSYSPP6200                                                                                                                                              | NSYSPP6100                                                                                                                       | NSYSPP6200    | NSYSPPV6100   | NSYSPPV6100   |
|                              | 800                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                        |                                                                                                                                                         | NSYSPP8100                                                                                                                       | NSYSPP8200    |               | NSYSPPV8100   |
|                              | 1000                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                        |                                                                                                                                                         | NSYSPP10100                                                                                                                      | NSYSPP10200   |               | -             |
| 800                          | 600                                                                                                                                                                                                                                                  | NSYSPP8100                                                                                                                                                                                                                             | NSYSPP8200                                                                                                                                              | NSYSPP6100                                                                                                                       | NSYSPP6200    | NSYSPPV8100   | NSYSPPV6100   |
|                              | 800                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                        |                                                                                                                                                         | NSYSPP8100                                                                                                                       | NSYSPP8200    |               | NSYSPPV8100   |
|                              | 1000                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                        |                                                                                                                                                         | NSYSPP10100                                                                                                                      | NSYSPP10200   |               | -             |

## Door



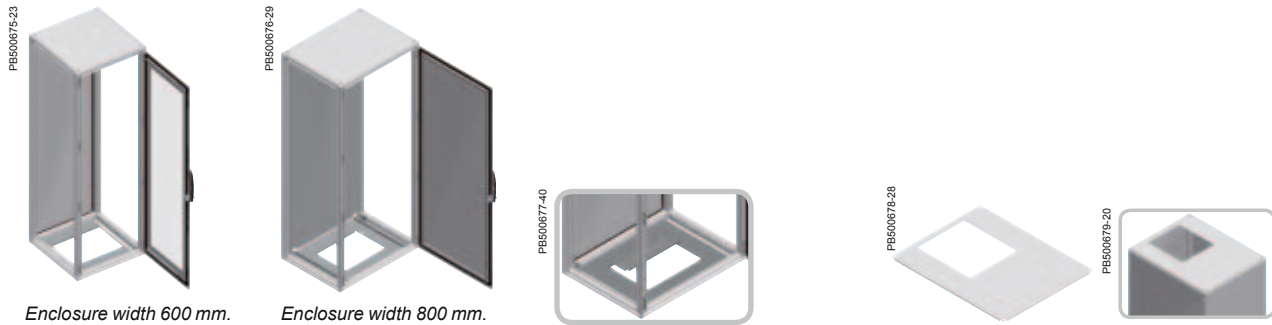
| Characteristics |            | Ventilated door for 19" racks                                                                                                                                                                                                                                                                                            |                        | Transparent door for off-centre racks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 |            | <ul style="list-style-type: none"> <li>■ Door designed to achieve natural ventilation of the enclosure.</li> <li>■ Installation on enclosures with a width of 800 mm, equipped with centred fixed or swing racks. Opening of 120°.</li> <li>■ Standard locking system with handle and 5-mm double-bar insert.</li> </ul> |                        | <ul style="list-style-type: none"> <li>■ Transparent door for installation in enclosures with off-centre 19" racks.</li> <li>■ Shows only the devices mounted on the 19" rack.</li> <li>■ Opening of 120°.</li> <li>■ Lock with handle and 5-mm double-bar insert, four locking points.                             <ul style="list-style-type: none"> <li>□ 2 points, heights of 1200 and 1400 mm.</li> <li>□ 4 points, heights of 1600 to 2200 mm.</li> </ul> </li> <li>■ Door stop profile.</li> <li>■ Opening to the right or left.</li> <li>■ Width of the glass 485 mm, off-centre by 77 mm.</li> </ul> |
| Material        |            | Steel                                                                                                                                                                                                                                                                                                                    |                        | Steel and Securit® glass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Finish          |            | Painted with epoxy-polyester resin                                                                                                                                                                                                                                                                                       |                        | Painted with epoxy-polyester resin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Colour          |            | RAL 7035 grey                                                                                                                                                                                                                                                                                                            |                        | RAL 7035 grey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Supply          |            | 1 ventilated door for racks                                                                                                                                                                                                                                                                                              |                        | 1 off-centre transparent door                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Height (mm)     | Width (mm) | Single ventilated door                                                                                                                                                                                                                                                                                                   | Double ventilated door |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 1200            | 600        | NSYPCVD126                                                                                                                                                                                                                                                                                                               | NSYPCV2D126            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                 | 800        | NSYPCVD128                                                                                                                                                                                                                                                                                                               | NSYPCV2D128            | NSYED128T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 1400            | 800        | NSYPCVD148                                                                                                                                                                                                                                                                                                               | NSYPCV2D148            | NSYED148T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 1600            | 800        | NSYPCVD168                                                                                                                                                                                                                                                                                                               | NSYPCV2D168            | NSYED168T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 1800            | 800        | NSYPCVD188                                                                                                                                                                                                                                                                                                               | NSYPCV2D188            | NSYED188T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 2000            | 600        | NSYPCVD206                                                                                                                                                                                                                                                                                                               | NSYPCV2D206            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                 | 800        | NSYPCVD208                                                                                                                                                                                                                                                                                                               | NSYPCV2D208            | NSYED208T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 2200            | 600        | NSYPCVD226                                                                                                                                                                                                                                                                                                               | NSYPCV2D226            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                 | 800        | NSYPCVD228                                                                                                                                                                                                                                                                                                               | NSYPCV2D228            | NSYED228T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## Cable-gland plates



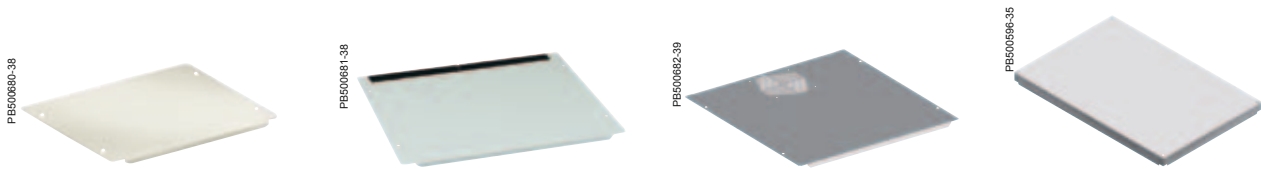
| Characteristics |           | Plain                                   | With 1 entry                                                                                                                                       | With 2 entries                                                                                                                     | Ventilated                                                                                                                                                                                                                          |
|-----------------|-----------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 |           | Maximum compact water/dustproof design. | Facilitates the entry of cables thanks to a longitudinal opening.                                                                                  | Cable entry for very deep enclosures (600 and 800 mm). Two longitudinal openings allowing a large number of cables through.        | Plates for cable entry from the bottom of the enclosure. Each plate has a hole with an 8-mm diameter, covered with a plug, for cases in which earthing needs to be performed by an earthing cable or braid (elements not supplied). |
| Material        |           | Galvanised steel                        |                                                                                                                                                    |                                                                                                                                    | Galvanised steel                                                                                                                                                                                                                    |
| Thickness       |           | 15/10 <sup>e</sup> mm                   |                                                                                                                                                    |                                                                                                                                    | 15/10 <sup>e</sup> mm                                                                                                                                                                                                               |
| Fixing          |           | -                                       |                                                                                                                                                    |                                                                                                                                    | Fixing by C-shaped clip, fixed with screws, providing electrical continuity through the clip                                                                                                                                        |
| Supply          |           | Plain plate and fixing elements         | Plate with 1 entry; self-extinguishing polyurethane adhesive gasket with cross-section of 15 x 25 mm (guarantees good sealing) and fixing elements | 1 plate with 2 entries; polyurethane adhesive gasket with cross-section of 15 x 25 mm (guarantee good sealing) and fixing elements | 1 ventilated plate with one entry, self-extinguishing polyurethane adhesive gasket with cross-section of 15 x 25 mm, and fixing elements                                                                                            |
| Width (B)       | Depth (C) | References                              |                                                                                                                                                    |                                                                                                                                    |                                                                                                                                                                                                                                     |
| 600             | 600       | NSYEC66                                 | NSYEC661                                                                                                                                           | NSYEC662                                                                                                                           | NSYECV661                                                                                                                                                                                                                           |
|                 | 800       | NSYEC68                                 | NSYEC681                                                                                                                                           | NSYEC682                                                                                                                           | NSYECV681                                                                                                                                                                                                                           |
|                 | 1000      | NSYEC610                                | NSYEC6101                                                                                                                                          | NSYEC6102                                                                                                                          | NSYECV6101                                                                                                                                                                                                                          |
| 800             | 600       | NSYEC86                                 | NSYEC861                                                                                                                                           | NSYEC862                                                                                                                           | NSYECV861                                                                                                                                                                                                                           |
|                 | 800       | NSYEC88                                 | NSYEC881                                                                                                                                           | NSYEC882                                                                                                                           | NSYECV881                                                                                                                                                                                                                           |
|                 | 1000      | NSYEC810                                | NSYEC8101                                                                                                                                          | NSYEC8102                                                                                                                          | NSYECV8101                                                                                                                                                                                                                          |

## Top and bottom cable-gland plate supports



| Characteristics |                | Cable-gland support for Actassi plates                                                                                                                                                                                                                                    | Roof for Actassi plates                                                                                       |
|-----------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
|                 |                | Support for cable entry from the bottom of the enclosure. Allows the installation of Actassi cable-gland accessories.                                                                                                                                                     | Roof prepared for installing Actassi roof accessories. Suitable for enclosures with widths of 600 and 800 mm. |
| Material        |                | Galvanised steel                                                                                                                                                                                                                                                          | Steel                                                                                                         |
| Finish          |                | -                                                                                                                                                                                                                                                                         | Painted with epoxy-polyester resin                                                                            |
| Colour          |                | -                                                                                                                                                                                                                                                                         | RAL 7035 grey                                                                                                 |
| Thickness       |                | 15/10 <sup>6</sup> mm                                                                                                                                                                                                                                                     | -                                                                                                             |
| Fixing          |                | Fixing by C-shaped clip, fixed with screws, providing electrical continuity through the clip.<br>The Actassi plates are fixed by C-shaped clips to the enclosures with a width of 600 mm, and by screws directly to the support in the enclosures with a width of 800 mm. | -                                                                                                             |
| Supply          |                | <ul style="list-style-type: none"> <li>■ Enclosure width 600 mm: two plates and fixing elements</li> <li>■ Enclosure width 800 mm: one support and fixing elements</li> </ul>                                                                                             | 1 roof with central cut-out and side pre-cuts (width 800 mm)                                                  |
| Width (B) (mm)  | Depth (C) (mm) | References                                                                                                                                                                                                                                                                |                                                                                                               |
| -               | -              | -                                                                                                                                                                                                                                                                         | -                                                                                                             |
| 600             | 600            | <b>NSYCECS66</b>                                                                                                                                                                                                                                                          | -                                                                                                             |
|                 | 800            | <b>NSYCECS68</b>                                                                                                                                                                                                                                                          | -                                                                                                             |
|                 | 1000           | <b>NSYCECS610</b>                                                                                                                                                                                                                                                         | -                                                                                                             |
| 800             | 600            | <b>NSYCECS86</b>                                                                                                                                                                                                                                                          | <b>NSYSRSYS86</b>                                                                                             |
|                 | 800            | <b>NSYCECS88</b>                                                                                                                                                                                                                                                          | <b>NSYSRSYS88</b>                                                                                             |
|                 | 1000           | <b>NSYCECS810</b>                                                                                                                                                                                                                                                         | <b>NSYSRSYS810</b>                                                                                            |
|                 |                |                                                                                                                                                                                                                                                                           |                                                                                                               |

## Top and bottom cable-gland plate solutions



| Plain top roof plate                                                                                                                        | Top roof plate with brush gasket                                                                                                                                                           | Cut-out top roof plate                                                                                                                                     | Ventilated roof                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Removable plate made from folded sheet steel.<br>Option of installing roof elevators for aeration, ref. <b>NSYEX206</b> , and cable glands. | Removable folded sheet-steel plate, equipped with a gasket with cable-gland brush.<br>Optional installation of roof elevators for aeration, ref. <b>NSYEX206</b> , and cable-gland plates. | Removable plate made from folded sheet steel.<br>Optional installation of roof elevators for aeration, ref. <b>NSYEX206</b> , cable-gland plates and fans. | Roof for providing natural ventilation for the enclosure, with IP30 protection.<br>Height: an extra 63 mm in relation to the structure. |
| Steel                                                                                                                                       | Steel                                                                                                                                                                                      | Steel                                                                                                                                                      | Steel                                                                                                                                   |
| Painted with epoxy-polyester resin                                                                                                          | Painted with epoxy-polyester resin                                                                                                                                                         | Painted with epoxy-polyester resin                                                                                                                         | Painted with epoxy-polyester resin                                                                                                      |
| RAL 7035 grey                                                                                                                               | RAL 7035 grey                                                                                                                                                                              | RAL 7035 grey                                                                                                                                              | RAL 7035 grey                                                                                                                           |
| -                                                                                                                                           | -                                                                                                                                                                                          | -                                                                                                                                                          | -                                                                                                                                       |
| -                                                                                                                                           | -                                                                                                                                                                                          | -                                                                                                                                                          | -                                                                                                                                       |
| 1 plain top roof plate and fixing elements                                                                                                  | 1 top roof plate with brush gasket and fixing elements                                                                                                                                     | 1 cut-out top roof plate and fixing elements                                                                                                               | 1 ventilated roof and fixing elements                                                                                                   |
| <b>NSYTSPC450</b>                                                                                                                           | <b>NSYTSP450</b>                                                                                                                                                                           | <b>NSYTSPV450</b>                                                                                                                                          | -                                                                                                                                       |
| -                                                                                                                                           | -                                                                                                                                                                                          | -                                                                                                                                                          | <b>NSYSVR606</b>                                                                                                                        |
| -                                                                                                                                           | -                                                                                                                                                                                          | -                                                                                                                                                          | <b>NSYSVR608</b>                                                                                                                        |
| -                                                                                                                                           | -                                                                                                                                                                                          | -                                                                                                                                                          | -                                                                                                                                       |
| -                                                                                                                                           | -                                                                                                                                                                                          | -                                                                                                                                                          | <b>NSYSVR806</b>                                                                                                                        |
| -                                                                                                                                           | -                                                                                                                                                                                          | -                                                                                                                                                          | <b>NSYSVR808</b>                                                                                                                        |
| -                                                                                                                                           | -                                                                                                                                                                                          | -                                                                                                                                                          | -                                                                                                                                       |
|                                                                                                                                             |                                                                                                                                                                                            |                                                                                                                                                            |                                                                                                                                         |

### Roof plate elevators for aeration



- Columns with a height of 20 mm.
- **Fixing:** between the roofplate and the roof.
- **Supply:** 100 units. Reference by unit. Order by multiples of 100 (100, 200, 300...).

Reference  
**NSYEX206**

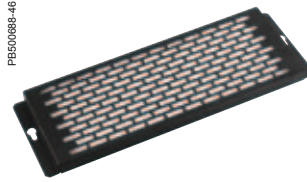
## Top and bottom cable-gland plate solutions



| Characteristics       | Plain cable-gland plate                                                                                                                                 | Cable-gland plate with brush                                                                                                                            | Self-ventilated cable-gland plate                                                                                                                       |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material              | Galvanised steel                                                                                                                                        | Galvanised steel                                                                                                                                        | Galvanised steel                                                                                                                                        |
| Fixing                | <ul style="list-style-type: none"> <li>■ Fixing on the outside of the roof</li> <li>■ Can be combined with other types of cable-gland plates</li> </ul> | <ul style="list-style-type: none"> <li>■ Fixing on the outside of the roof</li> <li>■ Can be combined with other types of cable-gland plates</li> </ul> | <ul style="list-style-type: none"> <li>■ Fixing on the outside of the roof</li> <li>■ Can be combined with other types of cable-gland plates</li> </ul> |
| Other characteristics | -                                                                                                                                                       | -                                                                                                                                                       | -                                                                                                                                                       |
| Supply                | 1 plain cable-gland plate and fixing elements                                                                                                           | 1 cable-gland plate with brush and fixing elements                                                                                                      | 1 self-ventilated cable-gland plate and fixing elements                                                                                                 |
| References            | NSYEC440                                                                                                                                                | NSYEC440                                                                                                                                                | NSYEC4V440                                                                                                                                              |



## Top and bottom cable-gland plate solutions



| Ventilation plate with cut-outs and with or without fans, 120 mm                                                                                                                                                                                                                                                                             |                     | Cable-gland filter                                                                                     | Spare cable-gland filter |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------------|--------------------------|
| -                                                                                                                                                                                                                                                                                                                                            |                     | -                                                                                                      | -                        |
| <ul style="list-style-type: none"> <li>■ Fixing on the outside of the roof</li> <li>■ Can be combined with other types of cable-gland plates</li> </ul>                                                                                                                                                                                      |                     | To be mounted on the cable-gland plate with or without fan or on the selfventilated cable-gland plate. | -                        |
| Sound level: 34 dB (A)                                                                                                                                                                                                                                                                                                                       |                     | -                                                                                                      | -                        |
| <ul style="list-style-type: none"> <li>■ 1 cable-gland plate with or without fans, 2-m power cord (version with fans) and fixing elements</li> <li>■ Supplied with 2 or 3 fans, each of which has an output capacity of 170 m³/h, 220 V-50/60 Hz, installed and wired to a terminal strip. A 2-m power cord is supplied connected</li> </ul> |                     | 1 mounting support, colour RAL 9011, and filter                                                        | 5 units                  |
| Description                                                                                                                                                                                                                                                                                                                                  | References          | References                                                                                             |                          |
| No fans, 3 positions                                                                                                                                                                                                                                                                                                                         | <b>NSYECVT3440</b>  | <b>NSYFECVT440</b>                                                                                     | <b>NSYCEFILS</b>         |
| With 3 fans                                                                                                                                                                                                                                                                                                                                  | <b>NSYECVT3V440</b> |                                                                                                        |                          |
| No fans, 2 positions                                                                                                                                                                                                                                                                                                                         | <b>NSYECVT2440</b>  |                                                                                                        |                          |
| With 2 fans                                                                                                                                                                                                                                                                                                                                  | <b>NSYECVT2V440</b> |                                                                                                        |                          |

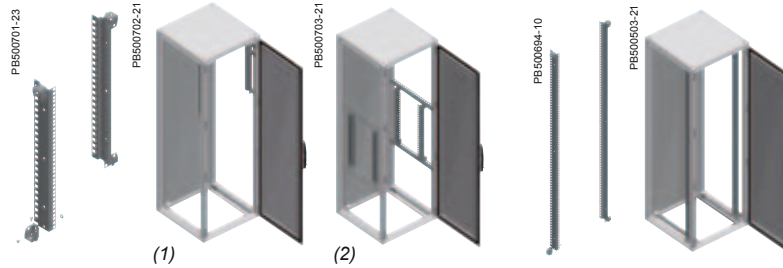


### Examples of possible combinations

#### Cable-gland plates for the roof

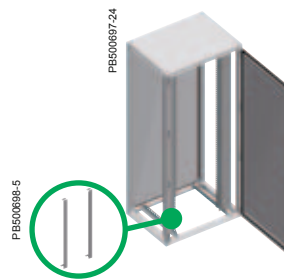
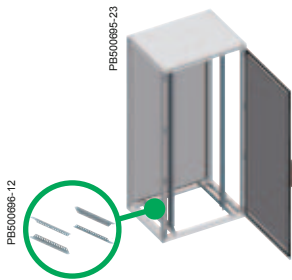
| Spacial SF dimensions |            | Combination 1 | Combination 2 |
|-----------------------|------------|---------------|---------------|
| Width (mm)            | Depth (mm) |               |               |
| 600/800               | 600        |               |               |
|                       | 800        |               |               |
|                       | 1000       |               |               |

## Mounting accessories



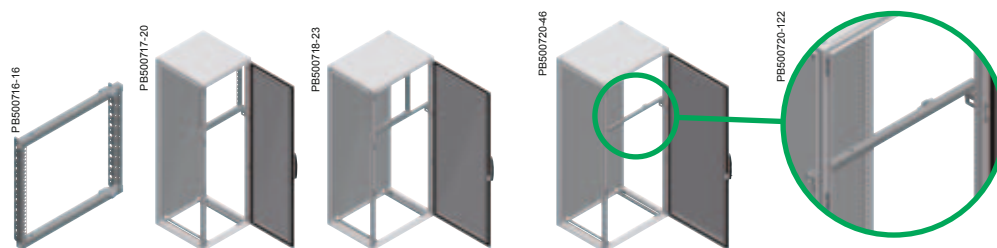
| Characteristics |            | Partial 19" fixed rack                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                  | 19" fixed rack                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |
|-----------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
|                 |            | Rack designed for coupling in enclosures with a width of 600 mm.<br>Adjustable depth with a pitch of 25 mm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  | Rack designed for installation in enclosures with a width of 600 mm. Adjustable depth with a pitch of 25 mm.<br>■ <b>Spacial SF:</b> direct fixing on the structure of the enclosures:<br><input type="checkbox"/> for installation on enclosures with a width of 800 mm, use the 19" fixed-rack support brackets,<br><input type="checkbox"/> to reinforce the rigidity of the uprights in enclosures with a width of 800 mm, it is advisable to use the central fixing kit, for enclosure heights above 1800 mm, ref. <b>NSYRCK19KIT</b> .<br>■ <b>Spacial SM:</b> fixing on the top/bottom adjustment rails. |                 |
| Material        |            | Zinc-coated steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                  | Zinc-coated steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
| Finish          |            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
| Colour          |            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
| Installation    |            | Installation options:<br>■ <b>Spacial SF:</b><br><input type="checkbox"/> Installation at the top front of the enclosure, no cross rails needed (1)<br><input type="checkbox"/> Depth adjustment of the cross rails: two cross rails need to be installed, see page 232<br><input type="checkbox"/> For installation at any other height, four depth cross rails are required (2)<br>■ <b>Spacial SM:</b><br><input type="checkbox"/> At the top of the enclosure (1): install two depth cross rails, see cross rails on page 232<br><input type="checkbox"/> At another height (2): install four cross rails for depthwise installation<br><input type="checkbox"/> Depthwise installation of the cross rails. Installation of the vertical adaptation profile and the 40-mm universal cross rail (1 row) in vertical position, in the position closest to the back |                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
| Maximum load    |            | 2 kg/U                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                  | 400 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |
| Supply          |            | 2 uprights and fixing elements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  | 2 uprights and fixing elements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |
| Height (H) (mm) | Depth (mm) | No. of units                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | References       | No. of units                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | References      |
| 200             | -          | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>NSYRCKP4</b>  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -               |
| 400             | -          | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>NSYRCKP8</b>  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -               |
| 600             | -          | 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>NSYRCKP12</b> | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -               |
| 800             | -          | 17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>NSYRCKP17</b> | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -               |
| 1000            | -          | 21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>NSYRCKP21</b> | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -               |
| 1200            | -          | 26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>NSYRCKP26</b> | 24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYRCK24</b> |
| 1400            | -          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                | 29                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYRCK29</b> |
| 1600            | -          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                | 33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYRCK33</b> |
| 1800            | -          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                | 38                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYRCK38</b> |
| 2000            | -          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                | 42                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYRCK42</b> |
| 2200            | -          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                | 47                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYRCK47</b> |
| -               | 600        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -               |
| -               | 800        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -               |
| -               | 1000       | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -               |
|                 |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |

## Mounting accessories



| Support brackets for 19" fixed rack with a width of 800 mm                                                                                                                | Side plates of the centred fixed rack for a width of 800 mm                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Support brackets for coupling the fixed rack to enclosures with a width of more than 600 mm. They allow the depth of the fixed rack to be adjusted with a pitch of 25 mm. | Side plates for coupling to the fixed rack in enclosures with a width of 800 mm. Direct installation on the rack by screws. |
| Zinc-coated steel                                                                                                                                                         | Steel                                                                                                                       |
| -                                                                                                                                                                         | Painted with epoxy-polyester resin                                                                                          |
| -                                                                                                                                                                         | RAL 7035 grey                                                                                                               |
| -                                                                                                                                                                         | -                                                                                                                           |
| 400 kg                                                                                                                                                                    | -                                                                                                                           |
| 4 support brackets and fixing elements                                                                                                                                    | 2 side plates and fixing elements                                                                                           |
| <b>References</b>                                                                                                                                                         | <b>References</b>                                                                                                           |
| -                                                                                                                                                                         | -                                                                                                                           |
| -                                                                                                                                                                         | -                                                                                                                           |
| -                                                                                                                                                                         | -                                                                                                                           |
| -                                                                                                                                                                         | -                                                                                                                           |
| -                                                                                                                                                                         | NSYRC12                                                                                                                     |
| -                                                                                                                                                                         | NSYRC14                                                                                                                     |
| -                                                                                                                                                                         | NSYRC16                                                                                                                     |
| -                                                                                                                                                                         | NSYRC18                                                                                                                     |
| -                                                                                                                                                                         | NSYRC20                                                                                                                     |
| -                                                                                                                                                                         | NSYRC22                                                                                                                     |
| NSYRCKS6                                                                                                                                                                  | -                                                                                                                           |
| NSYRCKS8                                                                                                                                                                  | -                                                                                                                           |
| NSYRCKS10                                                                                                                                                                 | -                                                                                                                           |

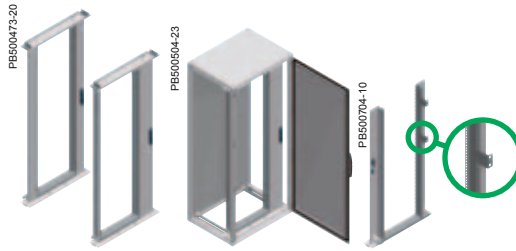
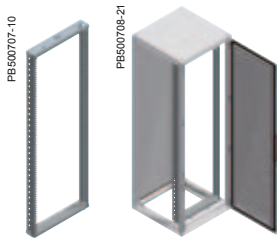
## Mounting accessories



| Characteristics | Partial 19" swing rack for 600 and 800 mm enclosures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Partial 19" swing rack support for 600 and 800 mm enclosures                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <p>Rack for coupling to enclosures with widths of 600 and 800 mm.<br/>In enclosures with a width of 800 mm, the rack can be installed centred or offcentre.<br/>Maximum opening: 120°.<br/>Reversible opening direction: left/right.<br/>Locking system, top and bottom, with 5 mm double-bar key.<br/>The 6 and 9 units racks only with bottom lock.<br/>Maximum equipment installation depth: 180 mm, in enclosures with a width of 600 mm.</p> <ul style="list-style-type: none"> <li>■ <b>Spacial SF</b>: fixing to the highest position of the enclosure by means of supports for partial 19" swing rack.</li> <li>■ <b>Spacial SM</b>: fixing to the highest position of the enclosure by means of supports for partial 19" swing rack and vertical adaptation profiles.</li> </ul> | <p>Supports for coupling the partial swing rack to enclosures with widths of 600 and 800 mm.<br/>Height or depth adjustment, with a pitch of 25 mm, by two 65 mm (2 rows) universal cross rails and a 19" multiple bracket, ref. <b>NSYMBR19</b>.<br/>■ <b>Spacial SF</b>: direct fixing to the structure.<br/>■ <b>Spacial SM</b>: fixing to the enclosure by means of the vertical adaptation profile, see page 236.</p> |                                                                                                                                                                                                                                                                                                                                                                                                 |
| Material        | Zinc-coated steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Zinc-coated steel                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                 |
| Installation    | <ul style="list-style-type: none"> <li>■ For height or depth adjustment, with a pitch of 25 mm, it is necessary to use two 65 mm (2 rows) universal cross rails and a 19" multiple bracket, ref. <b>NSYMBR19</b>; and for moving depthwise and up or down, four cross rails are required. See universal cross rails, page 232</li> <li>■ <b>Spacial SM</b>: to install the depthwise cross rails, the vertical adaptation profile and two 40 mm universal cross rails (1 row) are required, installed vertically in the back of the enclosure</li> </ul>                                                                                                                                                                                                                                  | Installation of the rack in centred or off-centre position, for enclosures with a width of 800 mm                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                 |
| Maximum load    | 2 kg/U                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                 |
| Supply          | 1 partial 19" swing rack                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2 supports and fixing elements                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                 |
| Dimensions      | No. of units (H)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | References                                                                                                                                                                                                                                                                                                                                                                                                                 | References                                                                                                                                                                                                                                                                                                                                                                                      |
| Height (mm)     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                 |
| 355             | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>NSYRSWP6</b>                                                                                                                                                                                                                                                                                                                                                                                                            | -                                                                                                                                                                                                                                                                                                                                                                                               |
| 468             | 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>NSYRSWP9</b>                                                                                                                                                                                                                                                                                                                                                                                                            | -                                                                                                                                                                                                                                                                                                                                                                                               |
| 601             | 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>NSYRSWP12</b>                                                                                                                                                                                                                                                                                                                                                                                                           | -                                                                                                                                                                                                                                                                                                                                                                                               |
| 735             | 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>NSYRSWP15</b>                                                                                                                                                                                                                                                                                                                                                                                                           | -                                                                                                                                                                                                                                                                                                                                                                                               |
| 868             | 18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>NSYRSWP18</b>                                                                                                                                                                                                                                                                                                                                                                                                           | -                                                                                                                                                                                                                                                                                                                                                                                               |
| 1002*           | 21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>NSYRSWP21</b>                                                                                                                                                                                                                                                                                                                                                                                                           | -                                                                                                                                                                                                                                                                                                                                                                                               |
| 1400            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -                                                                                                                                                                                                                                                                                                                                                                                                                          | -                                                                                                                                                                                                                                                                                                                                                                                               |
| 1600            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -                                                                                                                                                                                                                                                                                                                                                                                                                          | -                                                                                                                                                                                                                                                                                                                                                                                               |
| 1800            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -                                                                                                                                                                                                                                                                                                                                                                                                                          | -                                                                                                                                                                                                                                                                                                                                                                                               |
| 2000            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -                                                                                                                                                                                                                                                                                                                                                                                                                          | -                                                                                                                                                                                                                                                                                                                                                                                               |
| 2200            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -                                                                                                                                                                                                                                                                                                                                                                                                                          | -                                                                                                                                                                                                                                                                                                                                                                                               |
| Width (mm)      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                 |
| 600             | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>NSYRSWSP6</b>                                                                                                                                                                                                                                                                                                                                                                                |
| 800             | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>NSYRSWSP8</b>                                                                                                                                                                                                                                                                                                                                                                                |
|                 | <p>Partial 19" swing rack for enclosures with a width of 600 mm.</p> <p>Partial 19" swing rack, off-centre and centred, for enclosures with a width of 800 mm.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                            | <p><b>19" multiple bracket</b></p> <ul style="list-style-type: none"> <li>■ Bracket for fixing 65 mm universal cross rails (2 rows), depthwise, to position the partial 19" swing rack in any direction, up and down and/or depthwise.</li> <li>■ <b>Material</b>: zinc-coated steel.</li> <li>■ <b>Supply</b>: 4 brackets and fixing elements.</li> </ul> <p>Reference<br/><b>NSYMBR19</b></p> |

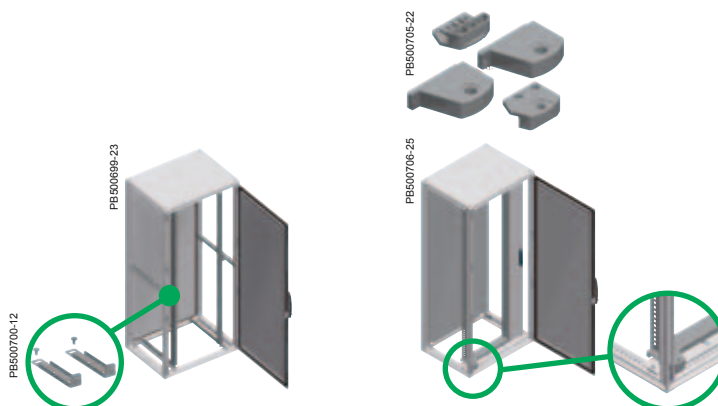
\* Optional installation in enclosures with height of 1200 mm.

## Mounting accessories



| 19" swing rack for 600 mm enclosures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            | 19" swing racks for 800 mm enclosures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                            |                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------------------|
| <p>To be coupled to enclosures with widths of 600 mm. Can be moved depthwise with a pitch of 25 mm. Maximum opening: 120°. Maximum equipment installation depth: 180 mm, in enclosures with a width of 600 mm. Reversible opening direction: left/right. Locking system, top and bottom, with 5-mm double-bar key.</p> <ul style="list-style-type: none"> <li>■ Fixing to the enclosure structure:                             <ul style="list-style-type: none"> <li>□ <b>Spacial SF</b>: fixing to the entire height of the enclosure structure.</li> <li>□ <b>Spacial SM</b>: fixing to the enclosure on top/bottom adjustment rails (order rails separately).</li> </ul> </li> </ul> |            | <p>Racks prepared for direct coupling to enclosures with a width of 800 mm. Can be moved depthwise with a pitch of 25 mm. Maximum opening: 120° (possibility of opening to 180° using 180° hinges). Reversible opening direction: left/right. Handle opening system with ball lock.</p> <ul style="list-style-type: none"> <li>■ Maximum equipment installation depth:                             <ul style="list-style-type: none"> <li>□ Off-centre 19" swing rack:                                     <ul style="list-style-type: none"> <li>- 120° = 470 mm.</li> <li>- 180° = 425 mm.</li> </ul> </li> <li>□ Centred 19" swing rack:                                     <ul style="list-style-type: none"> <li>- 120° = 390 mm.</li> <li>- 180° = 345 mm.</li> </ul> </li> </ul> </li> <li>■ Components:                             <ul style="list-style-type: none"> <li>□ Zinc-coated steel central structure.</li> <li>□ Side plate made from steel painted with epoxy-polyester resin, textured RAL 7035 grey. Fixed to the central structure by screws.</li> </ul> </li> </ul> |                            |                         |
| Zinc-coated steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                            |                         |
| <p>Installation options:</p> <ul style="list-style-type: none"> <li>■ <b>Spacial SF - SM</b>: option for installing 2 racks in enclosures with widths of 1200 and 1600 mm, using two 90-mm universal cross rails in the depthwise direction see page 232)</li> <li>■ <b>Spacial SF - SM</b>: multiple installation options in enclosures with a width of more than 600 mm (800, 1000, 1200 and 1600 mm), using universal cross rails see page 232)</li> </ul>                                                                                                                                                                                                                            |            | <ul style="list-style-type: none"> <li>■ <b>Spacial SF</b>: multiple installation options in enclosures with a width of more than 800 mm (1000, 1200 or 1600 mm), by using universal, see page 232</li> <li>■ <b>Spacial SM</b>: option for installing the racks in enclosures with a width of 1600 mm by using universal, see page 232</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                            |                         |
| 1.5 kg/U                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            | 3 kg/U                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                            |                         |
| 1 19" swing rack with no panels                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            | <ul style="list-style-type: none"> <li>■ Off-centre 19" swing rack: hinged rack, 800-mm swing rack supports, side lid with ball-lock handle and fixing elements</li> <li>■ Centred 19" swing rack: swing rack, 800-mm swing rack supports, side plates with ball-lock handle and fixing elements</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                            |                         |
| No. of units                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | References | No. of units                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Off-centre 19" hinged rack | Centred 19" hinged rack |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                          | -                       |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                          | -                       |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                          | -                       |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                          | -                       |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                          | -                       |
| 27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | NSYRSW627  | 27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NSYRSW27                   | NSYRWC27                |
| 31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | NSYRSW631  | 31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NSYRSW31                   | NSYRWC31                |
| 36                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | NSYRSW636  | 36                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NSYRSW36                   | NSYRWC36                |
| 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | NSYRSW640  | 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NSYRSW40                   | NSYRWC40                |
| 45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | NSYRSW645  | 45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NSYRSW45                   | NSYRWC45                |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                          | -                       |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                          | -                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                            |                         |

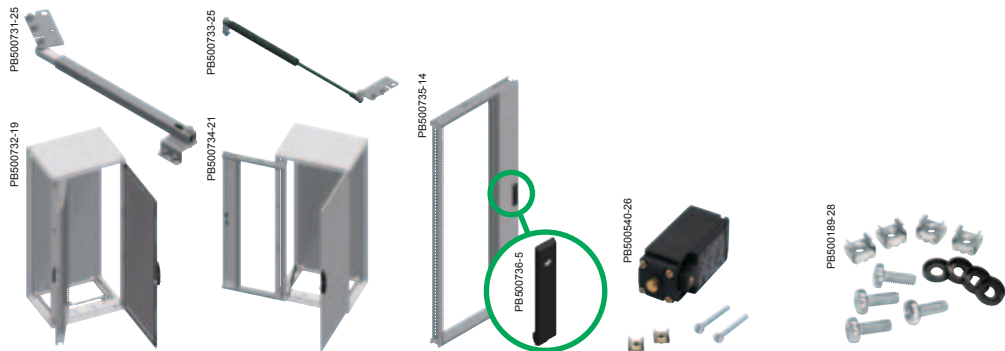
## Mounting accessories



| Characteristics | Central fixing kit                                                                                                                                                                    | 180° hinge                                                                                                                                                                                                                                                                                                                     |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | To reinforce the rigidity of the 19" fixed racks in enclosures with a width of 800 mm. Fixing to the enclosure by cross rails or light cross rails installed depthwise. See page 234. | Hinge for installation on centred and off-centre 19" swing racks. Allows the swing rack to be opened to 180°. Fixing by M8 screws directly to the swing rack. Maximum equipment installation depth:<br><input type="checkbox"/> off-centre 19" swing rack: 425 mm,<br><input type="checkbox"/> centred 19" swing rack: 345 mm. |
| Material        | Zinc-coated steel                                                                                                                                                                     | Zamak 5                                                                                                                                                                                                                                                                                                                        |
| Thickness       | -                                                                                                                                                                                     | -                                                                                                                                                                                                                                                                                                                              |
| Maximum load    | -                                                                                                                                                                                     | -                                                                                                                                                                                                                                                                                                                              |
| Supply          | 2 supports and fixing elements                                                                                                                                                        | 2 hinges and fixing elements                                                                                                                                                                                                                                                                                                   |
| References      | <b>NSYRCK19KIT</b>                                                                                                                                                                    | <b>NSYRSWH180</b>                                                                                                                                                                                                                                                                                                              |



## Swing rack accessories



| Characteristics   | 120° mechanical retainer                                             | 180° pneumatic retainer                                                                                                                              | Flat escutcheon for swing 19" rack                                                     | Switch for swing 19" rack                                                                                                   | Fixing elements for 19"                                                                                                                                                                                                 |             |            |    |                    |    |                    |
|-------------------|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------|----|--------------------|----|--------------------|
|                   | Retainer for installation on the swing racks. Maximum opening: 120°. | Retainer for installation on the swing racks installed with 180° hinges, in enclosures with a depth of 600, 800 or 1000 mm. Maximum opening: 180°.   | Flat escutcheon with 5-mm double-bar insert lock, for installation on swing 19" racks. | Switch for direct fixing on the bottom or top support of the swing rack. M20 connection. Open + closed contact, 10 A/500 V. | Elements required for fixing switchgear on 19" racks, made up of: <ul style="list-style-type: none"> <li>■ Screws.</li> <li>■ Washers.</li> <li>■ Nuts.</li> </ul>                                                      |             |            |    |                    |    |                    |
| Fixing            | Direct fixing to the rack support and the 19" rack                   | <b>Spacial SF:</b> fixing to the base of the structure and to the rack.<br><b>Spacial SM:</b> direct fixing to the rack support and to the 19" rack. | -                                                                                      | -                                                                                                                           | -                                                                                                                                                                                                                       |             |            |    |                    |    |                    |
| Supply            | 1 mechanical door stop and fixing elements                           | 1 pneumatic door stop and fixing elements                                                                                                            | 1 flat escutcheon, 5-mm double-bar insert and fixing elements                          | 1 19" rack switch and fixing elements                                                                                       | 50 units of each. Reference by unit. Order by multiples of 50 (50, 100, 150...)                                                                                                                                         |             |            |    |                    |    |                    |
| <b>References</b> | <b>NSYRCDR12</b>                                                     | <b>NSYRCDR18</b>                                                                                                                                     | <b>NSYRCLOCK</b>                                                                       | <b>NSYRCINT</b>                                                                                                             | <table border="1"> <thead> <tr> <th>Thread type</th> <th>References</th> </tr> </thead> <tbody> <tr> <td>M5</td> <td><b>NSYGFR95M55</b></td> </tr> <tr> <td>M6</td> <td><b>NSYGFR95M65</b></td> </tr> </tbody> </table> | Thread type | References | M5 | <b>NSYGFR95M55</b> | M6 | <b>NSYGFR95M65</b> |
| Thread type       | References                                                           |                                                                                                                                                      |                                                                                        |                                                                                                                             |                                                                                                                                                                                                                         |             |            |    |                    |    |                    |
| M5                | <b>NSYGFR95M55</b>                                                   |                                                                                                                                                      |                                                                                        |                                                                                                                             |                                                                                                                                                                                                                         |             |            |    |                    |    |                    |
| M6                | <b>NSYGFR95M65</b>                                                   |                                                                                                                                                      |                                                                                        |                                                                                                                             |                                                                                                                                                                                                                         |             |            |    |                    |    |                    |





# Electromagnetic protected steel enclosures

## Introduction

### General

The increasing presence of electromagnetic interference in industrial environments, together with the use of equipment susceptible to such interference requires the use of suitably protected enclosures.

In order to suppress electromagnetic interference, S3HF enclosures, due to the type of sheet metal and special gaskets used, fulfil two functions:

- Provision of adequate screening, with the effectiveness of a Faraday cage.
- Ability to provide effective protection of sensitive equipment by using galvanised sheet metal chassis, and by following recommended installation procedures.

### Electromagnetic interference

Electromagnetic disruptions comprises an electrical field E generated by a differing potentials, and a magnetic field M, caused by current circulation, which combine to form electromagnetic field.

The electromagnetic interference or "noise" is a disruptive electrical signal which affects the useful signal and it likely to cause a malfunction.

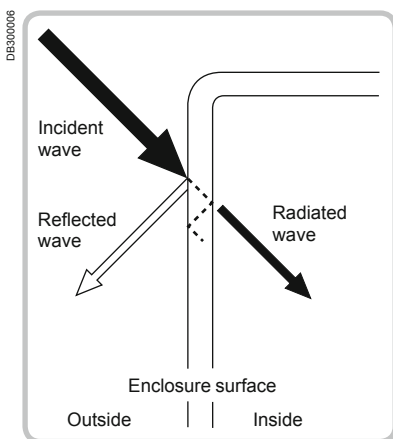
Interference can be carried through the conductors or emitted through the environment.

### Main sources of electrical interference and equipment sensitive to it

- Programmable controllers.
- Electronic circuits or boards.
- Regulators.
- Input signal cables (detectors, sensors, measurement probes).
- Analogue signal cables.

#### Main sources of electrical interference

| Material                   | Frequency range   |
|----------------------------|-------------------|
| Motors                     | 10 kHz... 100 MHz |
| Transformers/rectifiers    | 10 kHz... 100 MHz |
| Inductive load switching   | 50 kHz... 10 MHz  |
| Spot welders               | 10 kHz... 50 MHz  |
| Fluorescent lamps          | 100 kHz... 3 MHz  |
| Relays, contactors         | 10 kHz... 200 MHz |
| Switching power sources    | 10 kHz... 30 MHz  |
| Computers (internal clock) | 50 kHz... 200 MHz |
| Variable speed drives      | 10 kHz... 100 MHz |
| Induction furnaces         | 0... 10 kHz       |
| Power cables, etc.         | 0... 10 kHz       |



### Attenuation level of EMC fields

The waves of electrical or magnetic fields are reflected when they meet the sheet metal of the enclosure.

The effective rate of the screening or dampening "a" of the incident wave is measured in decibels (dB) using the following formulae:

$$a = 20 \log \frac{E_0}{E_1} \text{ (dB) for electrical fields,}$$

$$a = 20 \log \frac{H_0}{H_1} \text{ (dB) for magnetic fields,}$$

- $E_0$  and  $E_1$  are the current values of the electrical field, before entering and after entering the enclosure respectively.
- $H_0$  and  $H_1$  are the magnetic field values.

# Electromagnetic protected steel enclosures

## Introduction

### Installation

According to the type of interference generated by the devices:

- Low frequencies, "conducted interference" (up to 30 MHz),
  - High frequencies, "radiated interference" (higher than 1 MHz),
- the rules to be taken into account relate to the choice of components that provide the most economical solution to complete the installation.

#### Low-frequency interference

- Importance of the protection systems:
  - filters, overvoltage suppressor, isolating transformer for the power supply,
  - cable length.

#### High-frequency interference

- Importance of the installation method:
  - earth connections, cable length and section,
  - cable selection and rules, cable runs, connections,
  - enclosures and installation.

### Specifics

#### Screen connections

It is recommended to earth screens at both ends. In addition, it is advisable to increase the number of intermediate earth connections.

If the screen is only earthed at one end, there can be a considerable difference in potential between the two ends. In addition, this screen will be ineffective against external high-frequency interference.

#### Transformers

The transformer chassis must be mounted, metal to metal, on the reference potential plate, that is, on a plain chassis supporting the equipment.

#### Cable runs

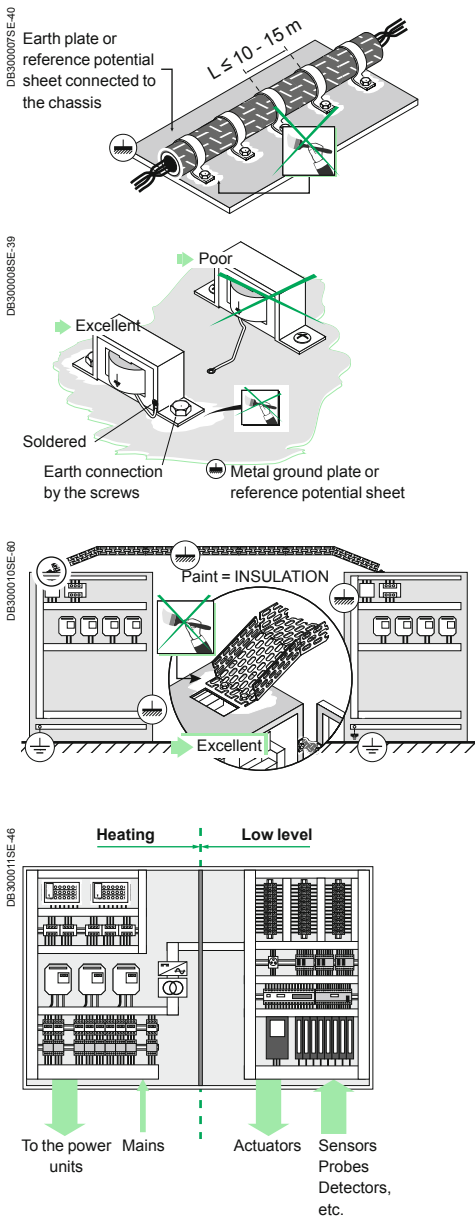
The metal ducts and conduits, when correctly connected, provide an extremely effective second screen for the cables.

Cable ends must be screwed to the metal enclosures in order to provide an effective connection.

#### Enclosures

The interfering and sensitive components, cables etc. should be installed in separate enclosures or located at some distance from each other.

*Note: For further information, consult your local sales office or our educational leaflet entitled "Electromagnetic compatibility".*



# Electromagnetic protected steel enclosures

## Introduction

PE50205-46



EMC box, IP55.

### Spacial S3HF wall-mounting enclosure IP55 IK10

From H 400 x W 300 x D 200 to H 1200 x W 800 x D 300 mm

- Metal monobloc enclosures constructed from special ALU-ZINC 150 sheet. Body constructed from single folded and welded sheet.
- The enclosure surface, comprising 55 % aluminium ensures good reflection of radiated electromagnetic interference.
- Textured epoxy polyester external paint finish, colour grey RAL 7035.
- Integral, galvanised, sheet steel, plain chassis (reference potential plate). The low resistivity of this plate facilitates earth continuity. Special body/door gasket (IP + EMC) providing both environment protection and continuity between the door and body of the enclosure. Body completely sealed, without any cable entries or apertures. Integral earth braid between enclosure body and door, ensuring good earthing and, in consequence, good electromagnetic compatibility. Metal closing points with earth continuity, thus improving overall screening.

PE501663-46



EMC enclosure, IP55.

### Spacial SMHF floor-standing enclosure IP55 IK10

From H 1800 x W 800 x D 400 to H 2000 x W 800 x D 600 mm

- Metal monobloc enclosure constructed from special ALU-ZINC 150 sheet. The enclosure surface, comprising 55 % aluminium ensures good reflection of radiated electromagnetic interference.
- Exterior painted with an epoxy polyester external powder paint finish, colour grey RAL 7035.
- Integral galvanised sheet steel plain chassis (sheet potential reference). The earth continuity is much easier thanks to its weak resistance.
- Special body-door seal (IP + EMC), providing not only water tightness, but also electrical continuity between the door and the body, necessary for those assemblies. Cable gland plate with special built-in seal (IP + EMC).

PE501662-46



EMC floor-standing enclosure, IP55.

### Spacial SFHF suitable enclosure IP55 IK10

From H 1800 x W 600 x D 600 to H 2200 x W 800 x D 800 mm

- Metal, extendable enclosure constructed thanks to a closed triangular profile, door and panel from special ALU-ZINC 150 sheet. The enclosure surface, comprising 55 % aluminium ensures good reflection of radiated electromagnetic interference.
- Exterior painted with an epoxy polyester external powder paint finish, colour grey RAL 7035.
- Integral galvanised sheet steel plain chassis (sheet potential reference). The earth continuity is much easier thanks to its weak resistance.
- Special body/door gasket (IP + EMC) providing both environmental protection and electrical continuity between the door and body of the enclosure.
- Integral earth braid between enclosure body and door, ensuring good earthing and, in consequence, good electromagnetic compatibility.
- The suite joining set is also available for the EMC enclosures, IP55.

**This range can be configured according to your needs**

4 different services available:



Assemble to order



Mounting of standard accessories



Painting

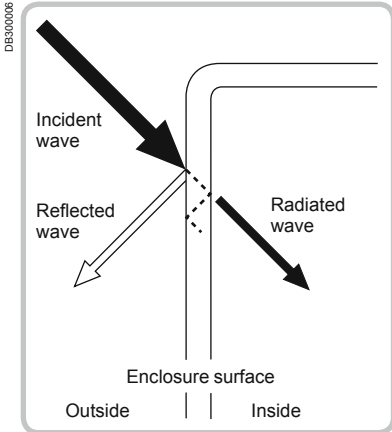


Machining

See page 450 for details or consult our web site [www.schneider-electric.com](http://www.schneider-electric.com)

# Electromagnetic protected steel enclosures

## Introduction

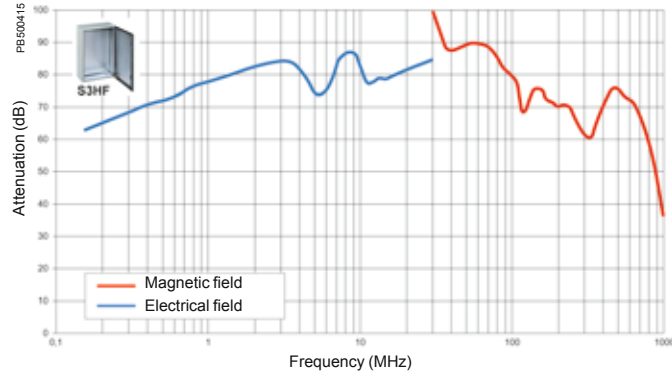


The presence of 55 % aluminium on the surface of the sheet metal ensures good reflection of electromagnetic waves.

The next illustrations indicates the attenuation (dB) curves related to the frequency (MHz).

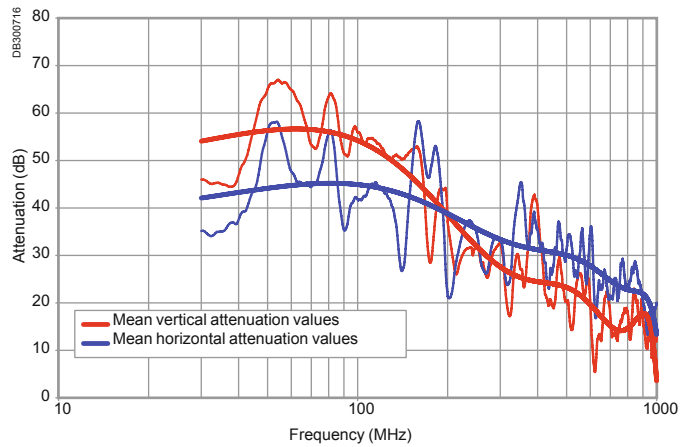
### Attenuation of the Spacial S3HF enclosure

General information on Electromagnetic Compatibility, see pages 386 and 387.



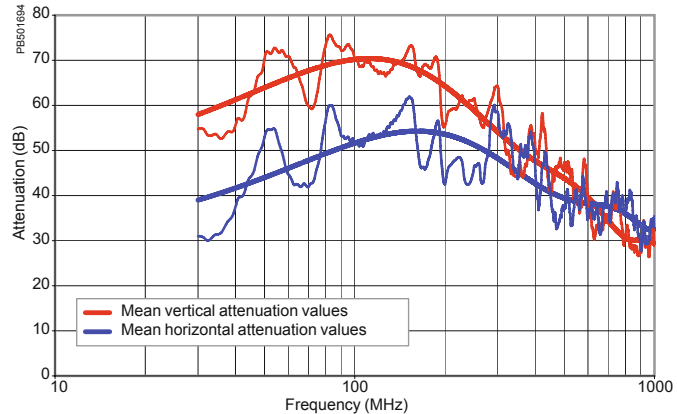
### Floor-standing compact enclosure

The enclosure is tested with earth braids mounted on all claddings (test performed following IEC 61587-3).



### Floor-standing suitable enclosure

Enclosure is tested with its sides panels and earth braids mounted on all claddings (Test performed following IEC 61587-3).



# Electromagnetic protected steel enclosures

## Characteristics



### Characteristics Spacial S3HF

Single-piece metal enclosures made from special sheets of ALUZINC 150.  
The presence of 55 % aluminium on the surface of the sheet metal ensures good reflection of electromagnetic waves.

■ **Body**

- single-piece body, folded and welded,
- entirely sealed body with no cable entry and no opening.
- **Equipped with four shouldered backstuds allowing direct fixing of the mounting plate**
- built-in plain mounting plate made from galvanised sheet steel (potential reference sheet),
- its low resistivity promotes earth continuity,
- direct fixing or using wall-fixing lugs, ref. **NSYPFCR** (to be ordered separately).

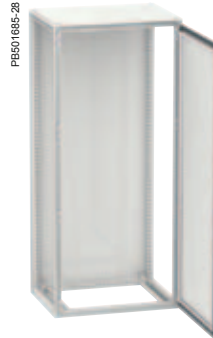
■ **Door**

- the special body-door gasket (IP + EMC) provides, in addition to water and dust tightness, electric continuity between the door and the body of the enclosure,
  - the metal lock with earth continuity helps improve the general shielding,
  - an earthing braid added to the enclosure between the body and the door guarantees a good earth connection and, consequently, good electromagnetic compatibility,
  - 3 mm double-bar lock as standard delivery (if a 405 key is needed it is possible to mount ref. **NSYCLL405CRN**).
  - Enclosure delivered with solid mounting plate.
- Other sizes: consult us.

| Finish                       | Painted on the outside with epoxy-polyester resin                           |            |      |             |                      |   |  |
|------------------------------|-----------------------------------------------------------------------------|------------|------|-------------|----------------------|---|--|
| Colour                       | RAL 7035 grey                                                               |            |      |             |                      |   |  |
| Ingress protection rating    | IP55                                                                        |            |      |             |                      |   |  |
| Mechanical protection rating | IK10                                                                        |            |      |             |                      |   |  |
| Certifications               | -                                                                           |            |      |             |                      |   |  |
| Fixing                       | Fixing lugs, ref. <b>NSYPFCR</b> to be ordered separately (1 set of 4 lugs) |            |      |             |                      |   |  |
| Height (mm)                  | Width (mm)                                                                  | Depth (mm) | Fig. | Weight (kg) | References           |   |  |
| 400                          | 300                                                                         | 200        | 1    | 7.5         | <b>NSYS3HF4320P</b>  |   |  |
|                              | 600                                                                         | 200        | 1    | 13.0        | <b>NSYS3HF4620P</b>  |   |  |
| 500                          | 400                                                                         | 200        | 2    | 11.5        | <b>NSYS3HF5420P</b>  |   |  |
| 600                          | 400                                                                         | 200        | 2    | 13.0        | <b>NSYS3HF6420P</b>  |   |  |
|                              | 600                                                                         | 250        | 2    | 20.5        | <b>NSYS3HF6625P</b>  |   |  |
| 700                          | 500                                                                         | 250        | 2    | 19.0        | <b>NSYS3HF7525P</b>  |   |  |
| 800                          | 600                                                                         | 300        | 2    | 32.8        | <b>NSYS3HF8630P</b>  |   |  |
| 1000                         | 800                                                                         | 300        | 2    | 53.2        | <b>NSYS3HF10830P</b> |   |  |
| 1200                         | 800                                                                         | 300        | 2    | 59.0        | <b>NSYS3HF12830P</b> |   |  |
|                              |                                                                             | 600        | -    | -           | -                    |   |  |
|                              |                                                                             | 800        | -    | -           | -                    |   |  |
| 1800                         | 600                                                                         | 600        | -    | -           | -                    |   |  |
|                              |                                                                             | 400        | -    | -           | -                    |   |  |
|                              |                                                                             | 600        | -    | -           | -                    |   |  |
|                              | 800                                                                         | 400        | -    | -           | -                    | - |  |
|                              |                                                                             | 600        | -    | -           | -                    | - |  |
|                              |                                                                             | 800        | -    | -           | -                    | - |  |
|                              |                                                                             | 1000       | -    | -           | -                    | - |  |
| 2000                         | 600                                                                         | 400        | -    | -           | -                    |   |  |
|                              |                                                                             | 600        | -    | -           | -                    |   |  |
|                              |                                                                             | 800        | -    | -           | -                    |   |  |
|                              | 800                                                                         | 400        | -    | -           | -                    | - |  |
|                              |                                                                             | 600        | -    | -           | -                    | - |  |
|                              |                                                                             | 800        | -    | -           | -                    | - |  |
| 2200                         | 600                                                                         | 600        | -    | -           | -                    |   |  |
|                              |                                                                             | 800        | -    | -           | -                    |   |  |
|                              |                                                                             | 800        | -    | -           | -                    |   |  |

# Electromagnetic protected steel enclosures

## Characteristics



| Spacial SMHF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Spacial SFHF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| <ul style="list-style-type: none"> <li>■ <b>Body</b></li> <li>□ body made from Aluzinc steel painted on the outside only.</li> <li>■ <b>Door</b></li> <li>□ front plain door (with reinforcement frame) made from Aluzinc steel,</li> <li>□ special gasket (IP + EMC) between body and door.</li> <li>■ 1 plain door with door-reinforcement frame.</li> <li>■ Left or right opening to 120°.</li> <li>■ Standard handle with 5-mm double bar.</li> <li>■ 1 part cable-gland plate with special gasket (IP + EMC).</li> </ul> | <ul style="list-style-type: none"> <li>■ <b>Structure</b></li> <li>□ galvanised-steel structure,</li> <li>□ top and bottom frame, vertical upright.</li> <li>■ <b>Claddings</b></li> <li>□ enclosure with screwed panels (on side and rear) and front plain door (with reinforcement frame) made from Aluzinc steel,</li> <li>□ side panels have to be ordered separately,</li> <li>□ special gasket (IP + EMC) between body, door and panels.</li> <li>■ 1 single plain door with door-reinforcement frame (double door on request, please consult us).</li> <li>■ Left or right opening to 120°.</li> <li>■ Delivered with standard locking system handle and 5-mm double-bar insert.</li> <li>■ 1 rear panel screwed from the outside.</li> <li>■ 1 removable roof.</li> <li>■ 1 part cable-gland plate with special gasket (IP + EMC).</li> </ul> |                             |
| Painted on the outside with epoxy-polyester resin (inside not painted)                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Painted on the outside with epoxy-polyester resin (inside not painted)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                             |
| RAL 7035 grey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | RAL 7035 grey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                             |
| IP55                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | IP55                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                             |
| IK10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | IK10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                             |
| RoHS compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | RoHS compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                             |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |
| <b>References</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Side panel references</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Enclosure references</b> |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                           |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                           |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                           |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                           |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                           |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                           |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                           |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                           |
| NSYSMHF18660P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NSY2SPHF186                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NSYSFHF18660                |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NSY2SPHF184                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NSYSFHF18840                |
| NSYSMHF18860P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NSY2SPHF186                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NSYSFHF18860                |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NSY2SPHF204                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NSYSFHF20640                |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NSY2SPHF206                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NSYSFHF20660                |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NSY2SPHF208                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NSYSFHF20680                |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NSY2SPHF2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | NSYSFHF206100               |
| NSYSMHF20840P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NSY2SPHF204                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NSYSFHF20840                |
| NSYSMHF20860P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NSY2SPHF206                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NSYSFHF20860                |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NSY2SPHF208                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NSYSFHF20880                |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NSY2SPHF2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | NSYSFHF208100               |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NSY2SPHF226                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NSYSFHF22660                |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NSY2SPHF226                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NSYSFHF22860                |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NSY2SPHF228                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NSYSFHF22880                |

# Electromagnetic protected steel enclosures

## Dimensions

### Spacial S3HF

A: Height.  
B: Width.  
C: Depth.

Fig. 1

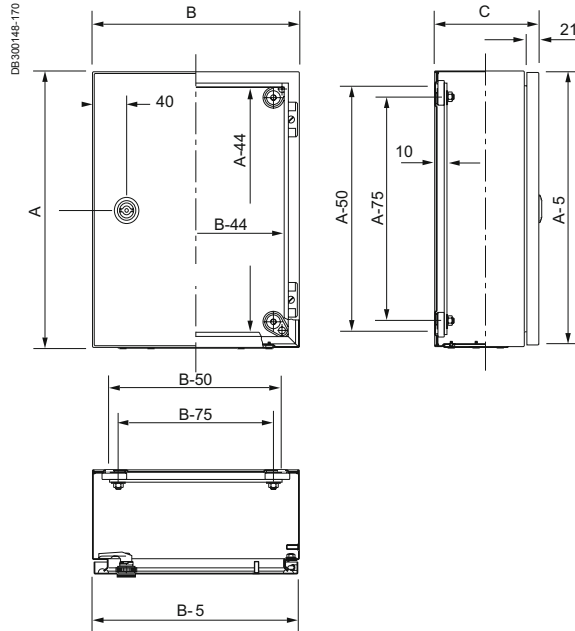
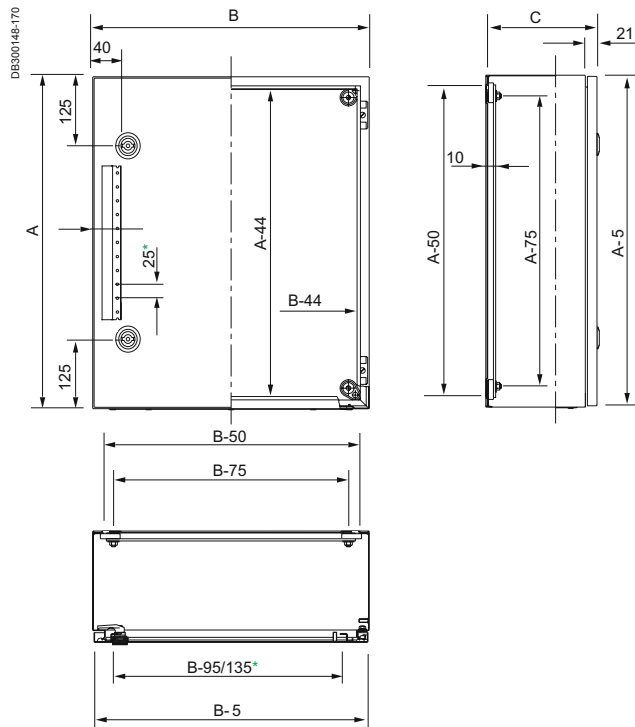


Fig. 2



\* Model 1200 x 800.

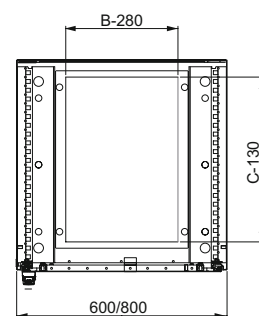
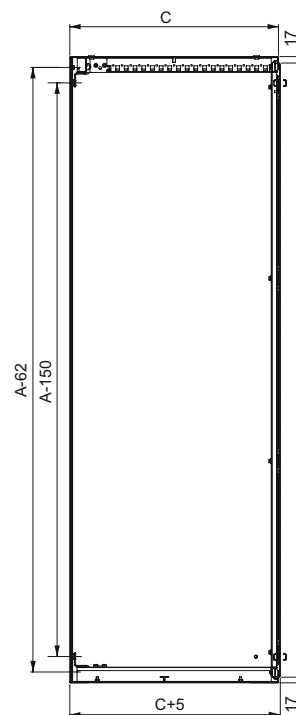
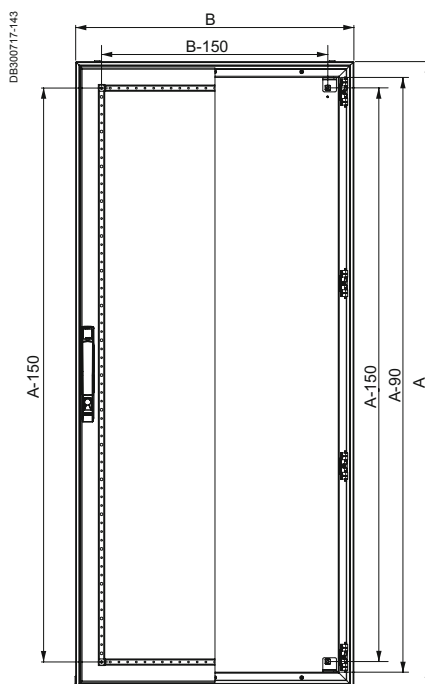


# Electromagnetic protected steel enclosures

## Dimensions

### Spacial SMHF

A: Height.  
B: Width.  
C: Depth.

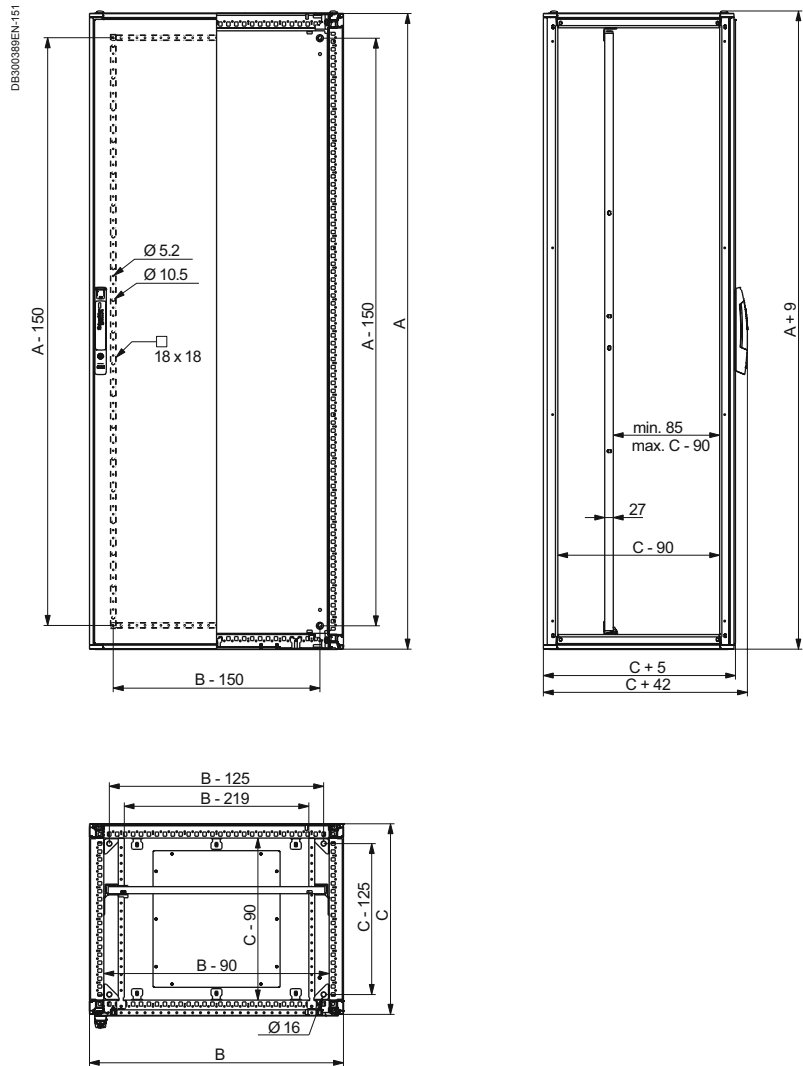


# Electromagnetic protected steel enclosures

## Dimensions

### Spacial SFHF

A: Height.  
B: Width.  
C: Depth.



# Electromagnetic protected steel enclosures

## Accessories



### All mounting accessories are compatible with the SF and SM standard range.

- Mounting plate (see page 220).
- Rails (see page 230).
- 19" frame (fixed and swinging) (see page 378).

PE500084-49

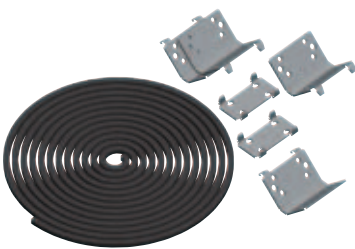


### Earth braids

- They guarantee the earth connection for high frequencies, avoiding the disturbing electric currents that are produced.
- **Material:** tinned copper.
- **Supply:** 10 earth braids (nuts and washers not included).

| Length (mm) | Width (mm) | Section (mm <sup>2</sup> ) | Terminal Ø (mm) | References  |
|-------------|------------|----------------------------|-----------------|-------------|
| 150         | 12         | 6                          | 6.5             | NSYEB156D6  |
|             | 17         | 10                         | 6.5             | NSYEB1510D6 |
| 155         | 17         | 16                         | 6.5             | NSYEB1516D8 |
|             | 200        | 27                         | 25              | 6.5         |
|             |            | 33                         | 50              | 6.5         |

PE5000513-49



### EMC coupling kit

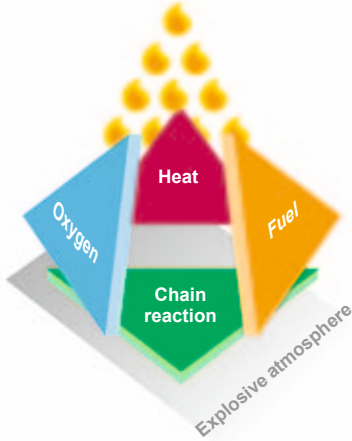
- Used to join enclosures side-by-side or depthwise. Special gasket for EMC solution. Attenuation level is decreased by 5 db when enclosures are joined (please consult us).
- **Ingress protection rating:** IP55.

| Height (mm) | Depth (mm) | Ref. SM EMC   |
|-------------|------------|---------------|
| 1800        | 400        | NSYSFHFBK184  |
|             | 600        | NSYSFHFBK186  |
| 2000        | 400        | NSYSFHFBK204  |
|             | 600        | NSYSFHFBK206  |
|             | 800        | NSYSFHFBK208  |
|             | 1000       | NSYSFHFBK2010 |
| 2200        | 600        | NSYSFHFBK226  |
|             | 800        | NSYSFHFBK228  |

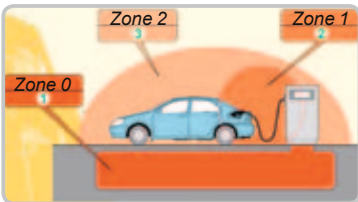
# Enclosures for explosive atmospheres

## Introduction

PB500069-52



PB500060-47



PB500061-26



### Potentially explosive atmospheres: important information

#### > What is ATEX?

- It is a term commonly used to describe potentially EXplosive ATmospheres and standards for protection systems and equipment.
- Two European directives, ATEX 99/92/CE and ATEX 94/9/CE, and international standards IEC 60079 and IEC 61241, harmonized with EN European standards, apply to this field.

#### > How is a potentially explosive atmosphere defined according to ATEX?

- An potentially explosive atmosphere is defined as a mix of flammable substances in the form of gas, vapour, dust (cloud or deposit) which, in air and under normal atmospheric conditions, can completely or partially catch fire in the form of an explosion when exposed to a source of ignition.

#### > Classification of an explosive atmosphere

- They are classified into groups and zones according to directive 99/92/CE and IEC standards as follows:

| Destination                 | Categories/presence of potentially explosive atmosphere | Hazardous zones        | Atmosphere |
|-----------------------------|---------------------------------------------------------|------------------------|------------|
| Group I Mines               | M1 and M2                                               | Gas and dust (G & D)   |            |
| Group II surface Industries | 1 Permanent or frequent                                 | Zone 0: gas and vapour | G          |
|                             |                                                         | Zone 20: mist and dust | D          |
|                             | 2 Occasional                                            | Zone 1: gas and vapour | G          |
|                             |                                                         | Zone 21: mist and dust | D          |
|                             | 3 Rare                                                  | Zone 2: gas and vapour | G          |
|                             |                                                         | Zone 22: mist and dust | D          |

### Equipment for potentially explosive atmospheres

- Since 1st July 2003, European directive ATEX 94/9/CE has made it compulsory to use certified electric or non-electric equipment when it must be installed in zones with explosive atmospheres (gas or dust).
- Certification must be provided by a body which is notified according to the same directive.
- The body notifies its assessment of the quality of the production and certifies that the product complies with the health and safety demands defined in the directive and the international standards.
- The certificate shows the category of the product by marking, and thus the zone and atmosphere in which it can be used.
- The standards define the following types of protection for electric equipment:

| Electrical equipment |              |                                         |                 |                                           |
|----------------------|--------------|-----------------------------------------|-----------------|-------------------------------------------|
| CENELEC              | IEC          | Gas: symbol of the types wof protection | CENELEC/IEC     | Powder: symbol of the types of protection |
| EN 60079-0           | IEC 60079-0  | General rules                           | IEC/EN 61241-0  | General rules                             |
| EN 50015             | IEC 60079-6  | 0-oil immersion                         | IEC/EN 61241-1  | tD-protection by enclosures               |
| EN 50016             | IEC 60079-2  | p-pressurised enclosures                | IEC/EN 61241-4  | pD-protection by pressurisation           |
| EN 50017             | IEC 60079-5  | q-powder filling                        | IEC/EN 61241-11 | iD-protection by intrinsic safety         |
| EN 60079-1           | IEC 60079-1  | d-flameproof enclosures                 | IEC/EN 61241-18 | mD-protection by encapsulation            |
| EN 60079-7           | IEC 60079-7  | e-increased safety                      |                 |                                           |
| EN 50020             | IEC 60079-11 | i-intrinsic safety                      |                 |                                           |
| EN 60079-15          | IEC 60079-15 | n-type of protection "n"                |                 |                                           |

- Enclosures are certified as components. They will be assembled with other ATEX electrical, pneumatic and hydraulic components, among others to form a final solution which, in turn, must be ATEX-certified and subject to a declaration of conformity.



#### Definition



Product directive 94/9/CE: defines the manufacturers' obligations.



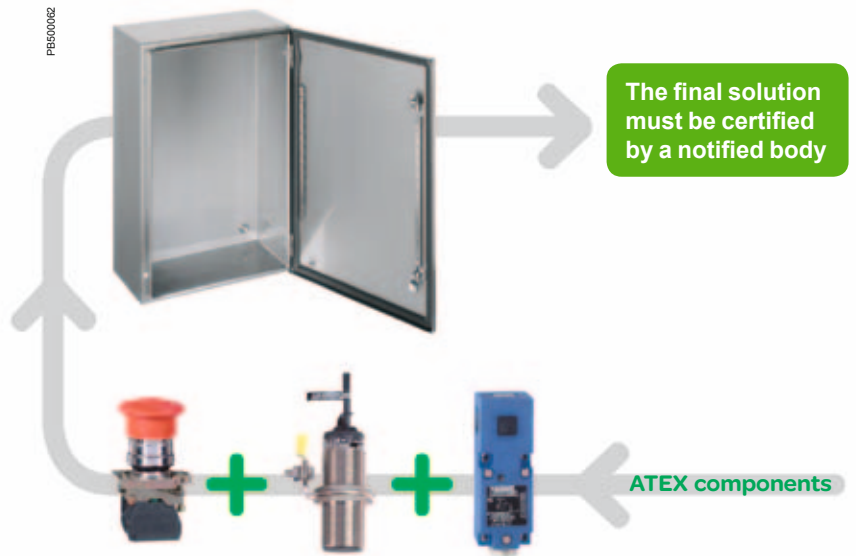
Personal protection directive 99/92/CE: defines the users' obligations.

#### Degree of protection:

In hazardous areas, equipment is required to offer a minimum degree of protection of IP54, but it can be tested or certified with a higher degree of protection.

# Enclosures for explosive atmospheres

## Introduction



### Fields of application of Schneider Electric ATEX enclosures

## > 3 Material solutions for wall-mounting enclosures

**Steel**

**Stainless-steel**

**Polyester**

#### Three types of enclosures

- All the wall-mounting enclosures presented in this brochure comply with standards for protection against the increased risk of explosion in atmospheres charged with gas (G) and/or dust (D).
- The Schneider Electric offer, designed to be used in group II, is classified as category 2.

| Destination                 | Categories/presence of potentially explosive atmosphere | Hazardous zones        | Atmosphere |
|-----------------------------|---------------------------------------------------------|------------------------|------------|
| Group I Mines               | M1 and M2                                               | Gas and dust (G & D)   |            |
| Group II surface Industries | 1 Permanent or frequent                                 | Zone 0: gas and vapour | G          |
|                             |                                                         | Zone 20: mist and dust | D          |
|                             | 2 Occasional                                            | Zone 1: gas and vapour | G          |
|                             |                                                         | Zone 21: mist and dust | D          |
|                             | 3 Rare                                                  | Zone 2: gas and vapour | G          |
|                             |                                                         | Zone 22: mist and dust | D          |

*Zone of application of Schneider Electric ATEX wall-mounting enclosures.*

- Category 2 products can be used as category 3.
- Our products are qualified for increased safety "e" (Ex e) but not for explosionproof safety "d" (Ex d).
- The marking of the wall-mounting enclosures is shown page 542.
- The wall-mounting enclosures offer a degree of protection IP66 according to EN 60529, exceeding the recommendations of the ATEX directive.
- Certification of our production sites and inspection procedures guarantees observance and consistency of the quality level.

# Enclosures for explosive atmospheres

## Introduction

PB601817-54



### > Industrial environments, equipment rooms

#### Spacial S3DEX steel enclosure

- The **Spacial S3DEX steel enclosure** is certified by the LCIE with no. LCIE 02ATEX0037U (component certification).
- Ten sizes: from 300 x 200 x 150 mm to 1000 x 800 x 300 mm.
- Degree of protection: IP66.
- Ambient temperature limits:  $-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$ .
- Resistance to external mechanical impacts: IK10.
- Structured finish, epoxy-polyester powder paint, RAL 7035 grey colour.

PB601818-56

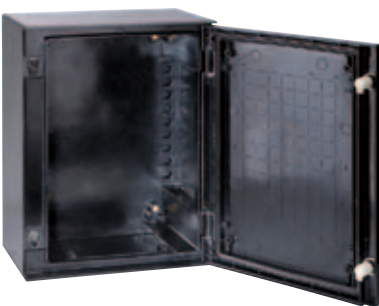


### > Laboratories, agri-business industry, specific hygiene and corrosion demands

#### Spacial S3XEX stainless-steel enclosure

- The **Spacial S3XEX stainless-steel enclosure** is certified by the LOM with no. LOM 09ATEX3068U (component certification).
- Seven sizes: from 300 x 200 x 150 mm to 1000 x 800 x 300 mm.
- Degree of protection: IP66.
- Ambient temperature limits:  $-20^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$ .
- Resistance to external mechanical impacts: IK10.
- Scotch-Brite® brushed finish.

PB601819-58



### > Seaside, petrochemical, severely corrosive environments

#### Thalassa PLMEX polyester enclosure

- The **Thalassa PLMEX polyester enclosure** is certified by the LOM with no. LOM 10ATEX3051U (component certification).
- Seven sizes: from 307 x 255 x 164 mm to 1056 x 852 x 350 mm.
- Degree of protection: IP66.
- Ambient temperature limits:  $-20^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$ .
- Resistance to external mechanical impacts: IK10.
- Black colour.

## [!] In accordance with the ATEX directive

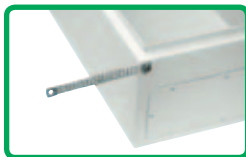
- The enclosures bear the marking shown page 542.
- The enclosures offer a degree of protection of IP66 according to EN 60629, reaching the highest dust protection according to ATEX standards.
- The certification of our production sites and inspection procedures guarantees the observance and regularity of the quality level.

Protective of all applications in ATEX II2 or II3 areas –surface installations with occasional or rare risks– thanks to ATEX-certified steel, stainless-steel and polyester enclosures.

# Enclosures for explosive atmospheres

## Introduction

PB500411-32



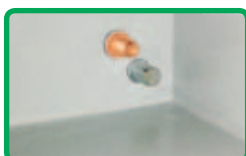
**Personnel safety**  
Blind nut for external earth connection.

PB500407-32



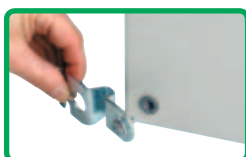
Earthing studs welded to the door and inside the body.

PB502596-32



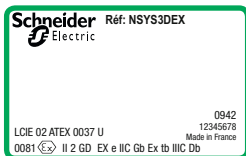
**Robust**  
The chassis is mounted on four 10-mm shouldered backstuds.

PB500413-32



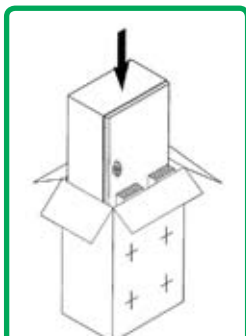
The 4 fixing holes are blocked by 4 crimped blind nuts.

DB300871



**Label**  
Example of specific ATEX marking (description: page 542).

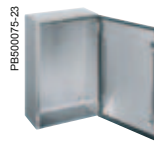
DB300073-Z7



Delivered in reusable cardboard with assembly instructions enclosed.

# Enclosures for explosive atmospheres

## Characteristics, accessories



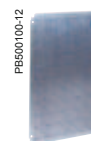
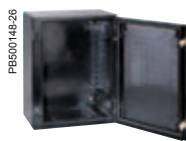
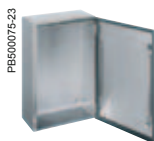
| Characteristics              | Spacial S3DEX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Spacial S3XEX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              | <p>The enclosures have the following marks:<br/>                     Ⓢ II 2 GD Ex e IIC Gb Ex tb IIIC Db IP6X according to ATEX directive 94/9/EC and standards EN 60079-0, EN 60079-7, EN 60079-31.</p> <p>Compared with the universal Spacial wall-mounting enclosure, the Spacial S3DEX enclosure has:</p> <ul style="list-style-type: none"> <li>■ The four fixing holes blocked by four crimped blind nuts.</li> <li>■ One crimped M8 blind nut for an external earth connection (braid not supplied).</li> </ul> <p><b>Enclosure body</b></p> <ul style="list-style-type: none"> <li>■ 4 M8 x 25 shouldered backstuds for mounting the mounting plate and the step slides leaving a space of 10 mm behind them.</li> <li>■ Welded earthing stud for equipotential connection between the door and the body.</li> </ul> <p><b>Door</b></p> <ul style="list-style-type: none"> <li>■ Standard enclosure supplied with a double-bar lock.</li> <li>■ Equipotential connection between the door and the body by means of the M6 x 16 earthing screws.</li> <li>■ Removable and reversible door, opening to 120°.</li> <li>■ Simple reversal of linkage.</li> <li>■ Maximum load: 50 kg/m².</li> <li>■ Perforated rails on the door: 2 vertical rails from H = 400 mm, 2 vertical rails and 2 horizontal rails from W = 800 mm.</li> <li>■ Ambient temperature limits: -20°C ≤ Ta ≤ +40°C.</li> </ul> | <p>The enclosures have the following marks:<br/>                     Ⓢ II 2 GD Ex e II tD A21 IP6X according to ATEX directive 94/9/EC and standards EN 60079-0, EN 60079-7, EN 61241-0 and EN 61241-1.</p> <ul style="list-style-type: none"> <li>■ Single-piece body (cross-shaped structure). Gutter-shaped front profile.</li> <li>■ 2 perforated vertical profiles on the door (from a height of 600 mm), with drill holes with a diameter of 4.25 mm and a pitch of 25 mm for installing accessories.</li> <li>■ Door reinforcement frame (from a height of 1000 mm), cross-section of 20 mm x 15 mm, with drill holes with a diameter of 5 mm and a pitch of 25 mm.</li> <li>■ Standard closure with 3-mm double-bar lock (chrome-plated zamak).</li> <li>■ 2 closure points for heights of more than 500 mm.</li> <li>■ Stainless-steel hinges screwed onto the body of the enclosure, making it easier to remove and invert the door. Opening angle: 120°.</li> <li>■ M6 x 16 screws on the door and on the body, allowing equipotential connection.</li> <li>■ The wall-fixing lugs are compulsory; they are blocked by sealing plugs. The 4 fixing holes are blocked by 4 crimped blind nuts.</li> </ul> <p>□ 304 stainless-steel: reference <b>NSYPFCX</b>.<br/>                     □ 316L stainless-steel: reference <b>NSYPFC2X</b>.</p> <ul style="list-style-type: none"> <li>■ One crimped M6 blind nut for an external earth connection (braid not supplied).</li> <li>■ Authorised ambient temperature limits: -20°C ≤ Ta ≤ +60°C.</li> </ul> |
| Material                     | Steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Stainless-steel material AISI 304L (316L on request)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Finish                       | Structured finish, epoxy-polyester powder paint                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Scotch-Brite® brushed finish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Colour                       | RAL 7035 grey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Ingress protection rating    | IP66 (enclosures with single door)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | IP66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Mechanical protection rating | IK10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | IK10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |



The accessories of the Spacial standard wall-mounting enclosures can be installed in the Spacial S3DEX wall-mounting enclosures. However, plastic accessories should not be used, due to the risk of a static charge.

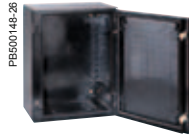


The accessories of the Spacial S3X enclosure can be installed in the Spacial S3XEX enclosure. However, plastic accessories should not be used, due to the risk of a static charge.



| Characteristics |       |       | Spacial S3DEX | Spacial S3XEX | Thalassa PLMEX | Accessories     |              |
|-----------------|-------|-------|---------------|---------------|----------------|-----------------|--------------|
| Dimensions (mm) |       |       |               |               |                | Mounting plates |              |
|                 |       |       |               |               |                | Plain           | Silkscreened |
| Height          | Width | Depth | References    |               |                |                 |              |
| 300             | 200   | 150   | NSYS3DEX3215  | NSYS3XEX3215  | -              | NSYMM32         | -            |
|                 | 300   | 200   | NSYS3DEX3320  | -             | -              | NSYMM33         | -            |
| 308             | 255   | 160   | -             | -             | NSYPLMEX3025   | NSYMM3025       | -            |
| 400             | 300   | 200   | NSYS3DEX4320  | NSYS3XEX4320  | -              | NSYMM43         | NSYMS43      |
|                 | 400   | 200   | NSYS3DEX4420  | -             | -              | NSYMM44         | NSYMS44      |
| 430             | 330   | 200   | -             | -             | NSYPLMEX43     | NSYMM43         | NSYMS43      |
| 500             | 400   | 200   | NSYS3DEX5420  | NSYS3XEX5420  | -              | NSYMM54         | NSYMS54      |
| 530             | 430   | 200   | -             | -             | NSYPLMEX54     | NSYMM54         | NSYMS54      |
|                 |       | 250   | NSYS3DEX6425  | -             | -              | NSYMM64         | NSYMS64      |
| 600             | 400   | 200   | NSYS3DEX6625  | -             | -              | NSYMM66         | NSYMS66      |
|                 |       | 250   | -             | -             | NSYPLMEX64     | NSYMM64         | NSYMS64      |
| 647             | 436   | 250   | -             | -             | NSYPLMEX64     | NSYMM64         | NSYMS64      |
| 700             | 500   | 250   | NSYS3DEX7525  | NSYS3XEX7525  | -              | NSYMM75         | NSYMS75      |
| 747             | 536   | 300   | -             | -             | NSYPLMEX75     | NSYMM75         | NSYMS75      |
| 800             | 600   | 250   | -             | NSYS3XEX8625  | -              | NSYMM86         | NSYMS86      |
|                 |       | 300   | NSYS3DEX8630  | -             | -              | NSYMM86         | NSYMS86      |
| 847             | 636   | 300   | -             | -             | NSYPLMEX86     | NSYMM86         | NSYMS86      |
| 1000            | 800   | 300   | NSYS3DEX10830 | NSYS3XEX10830 | -              | NSYMM108        | -            |
| 1056            | 852   | 350   | -             | -             | NSYPLMEX108    | NSYMM108        | -            |

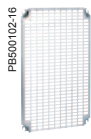
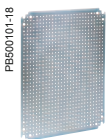




| Characteristics                        | Thalassa PLMEX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                               |                                                  |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--------------------------------------------------|
|                                        | The enclosures have the following marks:<br>Ⓢ II 2 GD Ex e II Ex tD A21 IP66 according to ATEX directive 94/9/EC and standards EN 60079-0, EN 60079-7, EN 61241-0 and EN 61241-1.<br><b>Specific ATEX characteristics</b><br>■ The surface resistance is < 109 Ω.<br>■ Ambient temperature limits: -20°C ≤ Ta ≤ +60°C.<br>■ The enclosures must be fixed by 4 stainless-steel lugs, which are mounted in inserts to be placed on the rear of the enclosure, in horizontal or vertical position. Ref.: <b>NSYFPXPLM</b> . |                               |                                                  |
| Colour                                 | RAL 9004 black                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                               |                                                  |
| Ingress protection rating              | IP66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                               |                                                  |
| Mechanical protection rating           | IK10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                               |                                                  |
| <b>References</b>                      | <b>NSYPLMEX3025</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>NSYPLMEX43/54/64/75/86</b> | <b>NSYPLMEX108</b>                               |
| Built-in canopy                        | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Yes                           | Yes                                              |
| Opening                                | 120°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 180°                          | 180°                                             |
| Pins                                   | Stainless-steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Polyamide                     | Stainless-steel                                  |
| Locking system                         | 2 double-bar lock                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2 double-bar lock             | 1 lock with doublebar insert and 4-point closure |
| Lock outside sealed zone               | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Yes                           | Yes                                              |
| Notch system for DIN rails every 25 mm | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Yes                           | Yes                                              |
| Mounting plate assembly                | Installed studs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Inserts and studs             | Inserts and studs                                |



Accessories for Thalassa PLM enclosures can be installed in Thalassa PLMEX enclosures. However, plastic accessories should not be used, due to the risk of a static charge.



|  | Microperforated | Telequick | Mixed symmetrical chassis | Wall-fixing lugs Steel | Stainless-steel | Step slides | Padlocking |
|--|-----------------|-----------|---------------------------|------------------------|-----------------|-------------|------------|
|  | -               | NSYMR32   | -                         | NSYAEFPFSC             | NSYAEFPFXSC     | -           | -          |
|  | NSYMF33         | NSYMR33   | NSYMD33                   | NSYAEFPFSC             | NSYAEFPFXSC     | NSYSDCR200  | -          |
|  | -               | NSYMR3025 | -                         | -                      | NSYFPXPLM       | -           | -          |
|  | NSYMF43         | NSYMR43   | NSYMD43                   | NSYAEFPFSC             | NSYAEFPFXSC     | NSYSDCR200  | -          |
|  | NSYMF44         | -         | -                         | NSYAEFPFSC             | NSYAEFPFXSC     | NSYSDCR200  | -          |
|  | NSYMF43         | NSYMR43   | -                         | -                      | NSYFPXPLM       | NSYDPLM200  | NSYKPLM    |
|  | NSYMF54         | NSYMR54   | NSYMD54                   | NSYAEFPFSC             | NSYAEFPFXSC     | NSYSDCR200  | -          |
|  | NSYMF54         | NSYMR54   | -                         | -                      | NSYFPXPLM       | NSYDPLM200  | NSYKPLM    |
|  | NSYMF64         | NSYMR64   | NSYMD64                   | -                      | NSYFPXPLM       | NSYSDCR200  | -          |
|  | NSYMF64         | NSYMR64   | NSYMD64                   | NSYAEFPFSC             | NSYAEFPFXSC     | NSYSDCR250  | -          |
|  | NSYMF66         | NSYMR66   | NSYMD66                   | NSYAEFPFSC             | NSYAEFPFXSC     | NSYSDCR250  | -          |
|  | NSYMF64         | NSYMR64   | -                         | -                      | NSYFPXPLM       | NSYDPLM250  | NSYKPLM    |
|  | NSYMF75         | NSYMR75   | NSYMD75                   | NSYAEFPFSC             | NSYAEFPFXSC     | NSYSDCR250  | -          |
|  | NSYMF75         | NSYMR75   | -                         | -                      | NSYFPXPLM       | NSYDPLM300  | NSYKPLM    |
|  | NSYMF86         | NSYMR86   | NSYMD86                   | -                      | NSYFPXPLM       | NSYSDCR250  | -          |
|  | NSYMF86         | NSYMR86   | NSYMD86                   | NSYAEFPFSC             | NSYAEFPFXSC     | NSYSDCR300  | -          |
|  | NSYMF86         | NSYMR86   | -                         | -                      | NSYFPXPLM       | NSYDPLM300  | NSYKPLM    |
|  | NSYMF108        | NSYMR108  | NSYMD108                  | NSYAEFPFSC             | NSYAEFPFXSC     | NSYSDCR300  | -          |
|  | NSYMF108        | NSYMR108  | -                         | -                      | NSYFPXPLM       | NSYDPLM350  | NSYBCPL    |

# Enclosures for explosive atmospheres

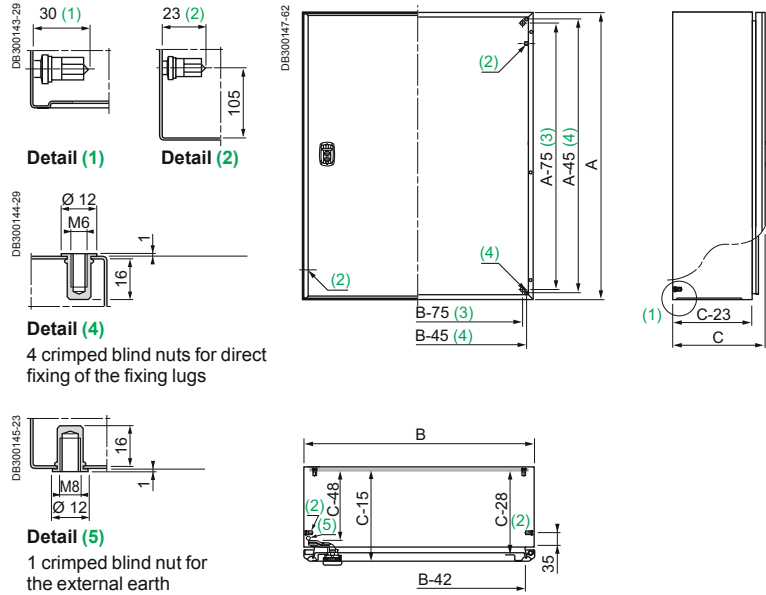
## Dimensions

### Spacial S3DEX

#### 1-door enclosure

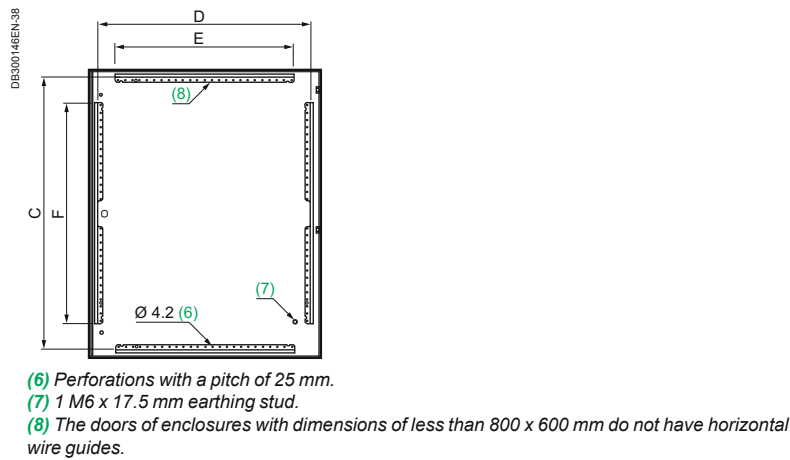
A: Height  
B: Width  
C: Depth

- (1) 4 M8 x 25 mm backstuds.
- (2) 2 M6 x 17.5 mm earthing studs.
- (3) Stud centre-to-centre distance.
- (4) Crimped blind nut centre-to-centre distance.
- (5) Blind nut for external earth.



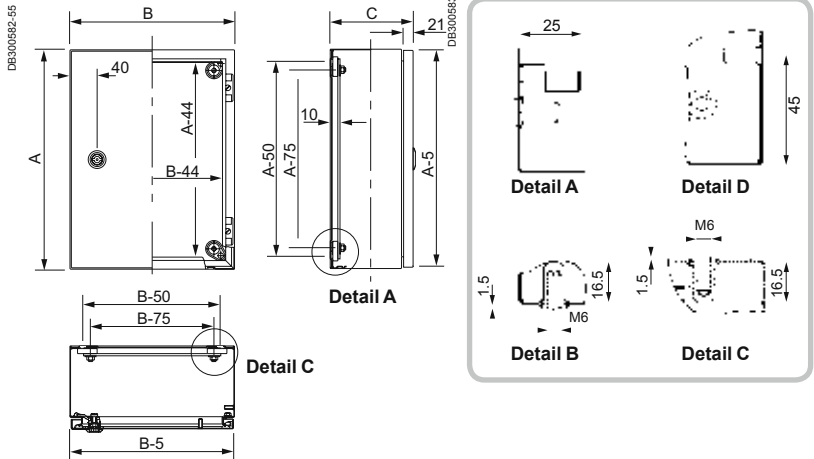
#### Perforated rails on the door

| Enclosure (8)   |                | Perforated rails on the door (mm) |     |            |     |
|-----------------|----------------|-----------------------------------|-----|------------|-----|
| Height (A) (mm) | Width (B) (mm) | Vertical                          |     | Horizontal |     |
|                 |                | F                                 | D   | E          | C   |
| 400             | 300            | 320                               | 237 | -          | -   |
|                 | 400            | 320                               | 337 | -          | -   |
| 600             | 400            | 370                               | 337 | -          | -   |
|                 | 600            | 370                               | 537 | -          | -   |
| 700             | 500            | 470                               | 437 | -          | -   |
| 800             | 600            | 570                               | 537 | -          | -   |
| 1000            | 800            | 770                               | 737 | 620        | 949 |



### Spacial S3XEX

Fig. 1



# Enclosures for explosive atmospheres

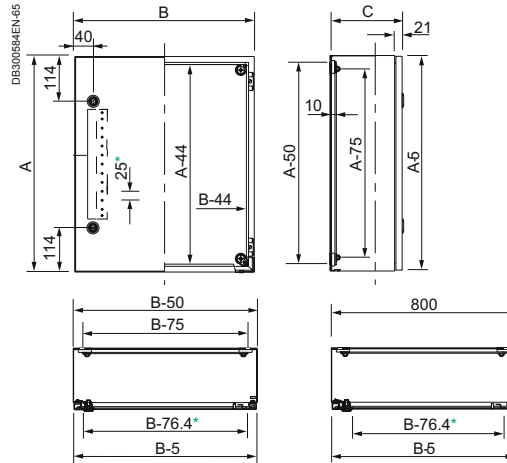
## Dimensions

### Spacial S3XEX

| External dimensions (mm) |           |           |      |
|--------------------------|-----------|-----------|------|
| Height (A)               | Width (B) | Depth (C) | Fig. |
| 300                      | 200       | 150       | 1    |
| 400                      | 300       | 200       | 1    |
| 500                      | 400       | 200       | 2**  |
| 600                      | 400       | 200       | 2    |
| 700                      | 500       | 250       | 2    |
| 800                      | 600       | 250       | 2    |
| 1000                     | 800       | 300       | 3    |

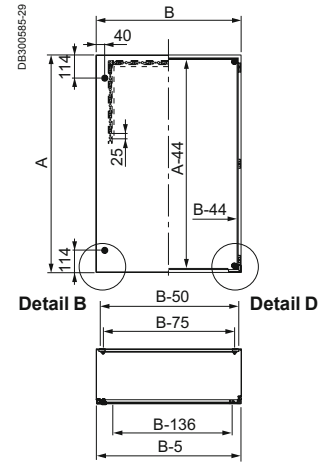
\*\* Without door reinforcement.

Fig. 2



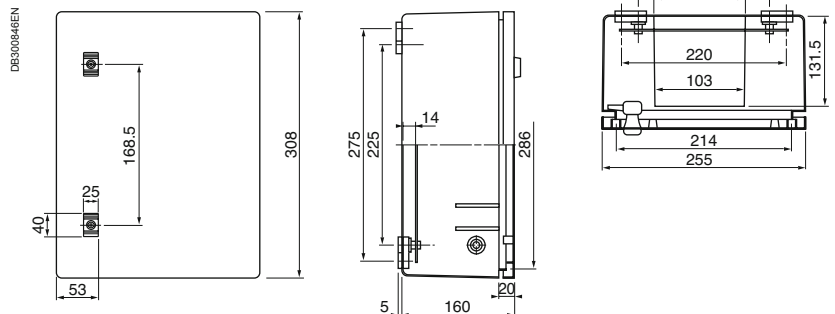
\* Door reinforcement.

Fig. 3

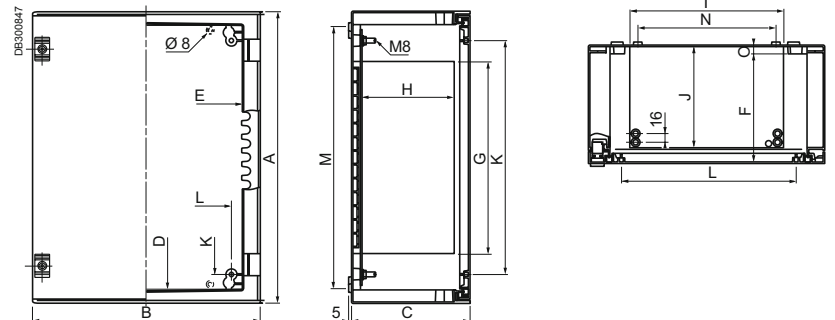


### Thalassa PLMEX

NSYPLMEX3025



NSYPLMEX43/54/64/75/86/108



| Dimensions (mm) |     |     |     |     |     |     |     |     |     |     | Bottom screw and door bosses | Fixing | References  |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------------------------|--------|-------------|
| A               | B   | C   | D   | E   | F   | G   | H   | I   | J   | K   | L                            | O      |             |
| 430             | 330 | 200 | 380 | 260 | 181 | 247 | 150 | 179 | 168 | 325 | 225                          | 13     | NSYPLMEX43  |
| 530             | 430 | 200 | 480 | 360 | 181 | 347 | 150 | 279 | 168 | 425 | 325                          | 13     | NSYPLMEX54  |
| 647             | 436 | 250 | 580 | 360 | 228 | 388 | 192 | 279 | 212 | 525 | 325                          | 13     | NSYPLMEX64  |
| 747             | 536 | 300 | 680 | 460 | 278 | 487 | 241 | 379 | 261 | 625 | 425                          | 15     | NSYPLMEX75  |
| 847             | 636 | 300 | 780 | 560 | 278 | 587 | 241 | 479 | 261 | 725 | 525                          | 15     | NSYPLMEX86  |
| 1056            | 852 | 350 | 980 | 760 | 327 | 775 | 280 | 680 | 300 | 925 | 725                          | 15     | NSYPLMEX108 |

## Human-Machine Interface Solutions

Steel

> Indoor non-clean industrial environment

Control enclosure with suspension system



Control Desks



PC racks



Stainless-steel

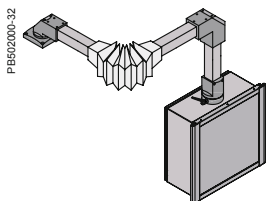
> Demanding industrial environment

Control Desks



PC racks





PB502000-32

### Spacial S3CM Control enclosure with suspension system

The Spacial S3CM offer for human-machine interface combines **robustness** with **aesthetics** and **ergonomics**. Consist of:

- **control enclosure,**
- **a keyboard-box,**
- **a suspension system** of arms and joints, for a fixed or rotating solutions,
- **and support accessories.**

> See page 406



PB500086-61

### Spacial SD Control desks

The range of Spacial SD control desks provides all the functions required of a workstation intended for industrial and infrastructure applications.

Spacial SD offers two clearly differentiated solutions:

- **the SD Compact control desk,**
- **the SD Control desk with console.**

The range has protection ratings of IP55 and IK10, which guarantee the safety and the protection of the installed devices.

> See page 416



PB502208-16

### Spacial SF suitable PC rack

The Spacial SF PC rack is designed to protect and control computer equipment in an industrial environments.

Access to the various functions and working heights, guaranteeing optimum comfort. The roof and panels, fixed from the inside, prevent access by unauthorised personnel.

> See page 432



PB501287-30

### Spacial SDX Control desks

The Spacial SDX range of control desks offers all the functions required to set up a control station that meets the industrial or infrastructural needs of applications in harsh environments or in the food and beverage sector.

Easy to implement, compatible with dialogue components, guaranteeing the security and protection of control devices, these control desks, with their range of dimensions, meet the strictest needs of their users.

> See page 417



PB501223-55

### Spacial SMX monobloc PC rack

The stainless-steel monobloc PC racks have been especially designed to protect computer equipment installed in corrosive or specially environments that require washing or exposure to sprays of liquid.

Access to the various functions and working heights, guaranteeing optimum comfort.

> See page 436

➤ The **Spacial S3CM offer** for human-machine dialogue consists of:

- control enclosures
- a box-keyboard
- a system of arms and joints fixed or rotating
- accessories.

The global dialogue system combines robustness with aesthetics and ergonomics.



## Human-Machine Interface Solutions

PB500433-33



### Robust

- 2 tube sizes in extruded steel, 50 and 80 mm square, thickness 40/10<sup>e</sup> mm.
- Top wall reinforced by a plate with a thickness of 30/10<sup>e</sup> mm.

PB500418-29



### Aesthetics

- Extruded aluminium rail frame.
- RAL 7040 paint: frame.
- RAL 7035 paint: enclosure.
- Customisation to your image or the aesthetics of your machine: consult us.

PB500446-37



### Ergonomics

Frame designed for handling the enclosure and facilitating the usage by the operator.

PB500439-21

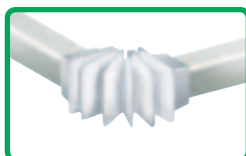


### Easy

Easy access to the equipment by a rear door, opening to 120°.

- Direct installation of accessories on the enclosure frame rail:
  - vertical document support,
  - keyboard support,
  - laptop computer support.
- A box-keyboard is installed directly on the enclosure.

PB500300



### Flexibility

Rotation through 170°; complete range of joints, fixed or rotating.

**This range can be configured according to your needs**

4 different services available:



Assemble to order



Mounting of standard accessories



Painting



Machining

See page 450 for details or consult our web site [www.schneider-electric.com](http://www.schneider-electric.com)

Every model is suitable for tubes with a square section of:

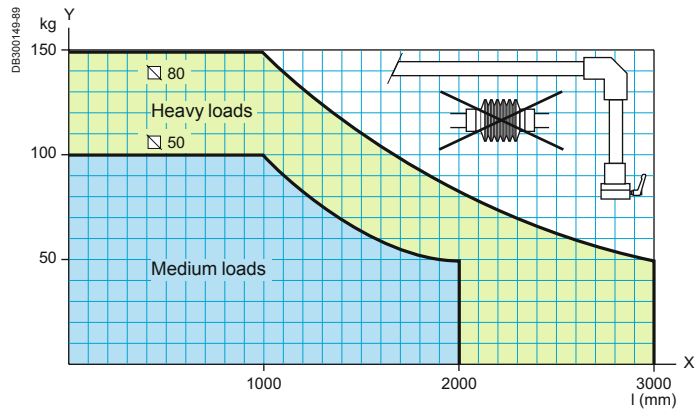
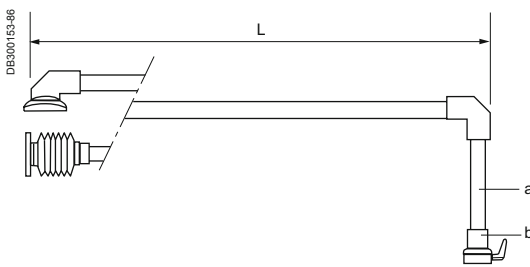
- 50 mm for medium loads,
- 80 mm for heavy loads

(see selection table on page 414).

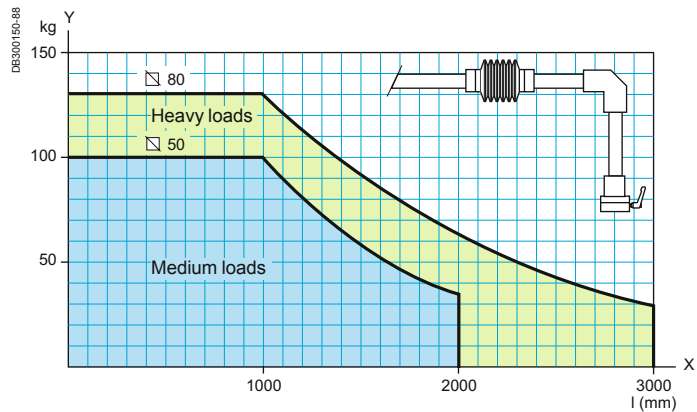
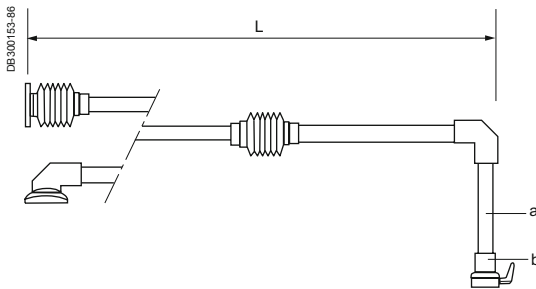
### Steps to choose the suspension system (medium or heavy loads)

- 1 - Define the total load of the system\*: a + b + enclosure + installed equipment (Y axis).
- 2 - Define the length of arm L (X axe).
- 3 - Define the configuration:

■ Suspension system **without** intermediate joint.



■ Suspension system **with** intermediate joint.

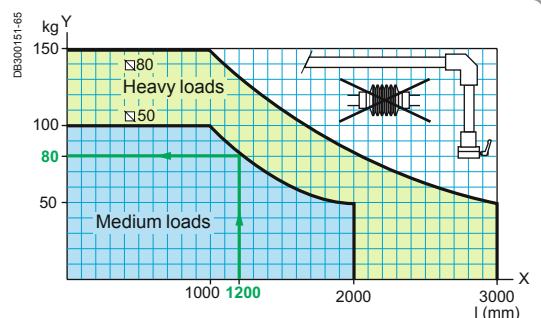


\* The load (a + b + enclosure + installed equipment) must be less than the maximum load.

### ★ Example

- 1 - Total load (kg) = 80 kg.
- 2 - Length (L) = 1200 mm.
- 3 - Suspension system without intermediate joint.

Recommended system > Medium loads □ 50.





Perforated rails installed on lateral studs.



Rear door with double-bar lock.



Detail of the reinforcement plate.



Fixing of the trim frame by screws.



| Characteristics | Spacial S3CM |
|-----------------|--------------|
|-----------------|--------------|

The control enclosures consist of:

- A steel body equipped with:
  - reinforcement plate: the top wall is reinforced by a plate (3 mm) and pierced with a hole Ø 54 or 87 mm (according to the reference) to allow hanging installation of the enclosure,
  - 4 welded studs on the 2 inner vertical walls, for fixing the rails,
  - 2 rails (with drill holes) for installing equipment,
  - a rear door, opening to 120° and closing with double-bar lock.
- An aluminium front face (2.5 mm thick):
  - this surface is protected on both sides by a plastic film, allowing the installation of the dialogue elements,
  - a trim frame made from 4 extruded-aluminium rails: the frame and the front face are delivered assembled.

Structured finish, epoxy-polyester powder, RAL 7040 grey colour (other colours on demand).

- The design of these rails takes into account the accessory mounting functions (lamp, document support, keyboard support, laptop support, etc.), the ergonomics for handling the enclosure and its overall aesthetics.

|                              |                                           |
|------------------------------|-------------------------------------------|
| Finish                       | Structured finish, epoxy-polyester powder |
| Colour                       | RAL 7035 grey                             |
| Ingress protection rating    | IP54                                      |
| Mechanical protection rating | IK10                                      |

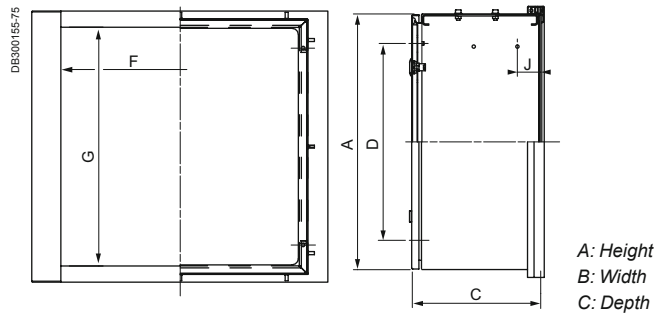
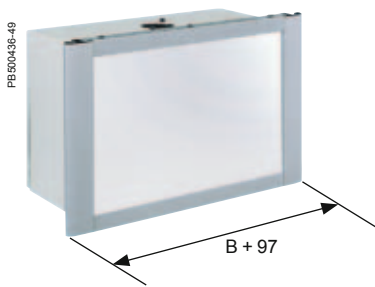
| Enclosure dimensions (mm) |       |       | Enclosure load (kg) | Tube section (mm) | References     |
|---------------------------|-------|-------|---------------------|-------------------|----------------|
| Height                    | Width | Depth |                     |                   |                |
| 300                       | 300   | 200   | 8.6                 | 50                | NSYS3CM303020  |
|                           | 400   | 200   | 9.5                 | 50                | NSYS3CM304020  |
| 400                       | 400   | 200   | 11.4                | 50                | NSYS3CM404020  |
|                           | 600   | 250   | 17.9                | 50                | NSYS3CM406025* |
| 500                       | 500   | 250   | 20.2                | 50                | NSYS3CM505025  |
| 600                       | 600   | 200   | 26.5                | 50                | NSYS3CM606020* |
|                           | 800   | 300   | 34.9                | 80                | NSYS3CM608030  |
| 800                       | 600   | 300   | 33.6                | 80                | NSYS3CM806030* |

\* Enclosure equipped with a cable-gland plate.

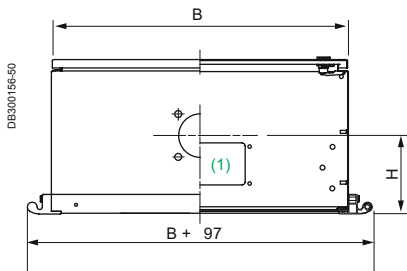


| Enclosure dimensions (mm) |           |           |     |     |     |     |     | Cable-gland plate | Ø Top hole (mm) | Fig. | Enclosure      |
|---------------------------|-----------|-----------|-----|-----|-----|-----|-----|-------------------|-----------------|------|----------------|
| Height (A)                | Width (B) | Depth (C) | D   | F   | G   | H   | J   |                   |                 |      | References     |
| 300                       | 300       | 200       | 162 | 262 | 262 | 100 | 45  | -                 | 54              | 1    | NSYS3CM303020  |
|                           | 400       | 200       | 162 | 362 | 262 | 100 | 45  | -                 | 54              | 1    | NSYS3CM304020  |
| 400                       | 400       | 200       | 262 | 362 | 362 | 100 | 45  | -                 | 54              | 1    | NSYS3CM404020  |
|                           | 600       | 250       | 262 | 562 | 362 | 125 | 75  | ■                 | 54              | 1    | NSYS3CM406025* |
| 500                       | 500       | 250       | 362 | 462 | 462 | 125 | 75  | -                 | 54              | 1    | NSYS3CM505025  |
| 600                       | 600       | 200       | 462 | 562 | 562 | 100 | 45  | ■                 | 54              | 1    | NSYS3CM606020* |
|                           | 800       | 300       | 462 | 762 | 562 | 150 | 100 | -                 | 87              | 2    | NSYS3CM608030  |
| 800                       | 600       | 300       | 662 | 562 | 762 | 150 | 100 | ■                 | 87              | 2    | NSYS3CM806030* |

\* Enclosure equipped with a cable-gland plate.

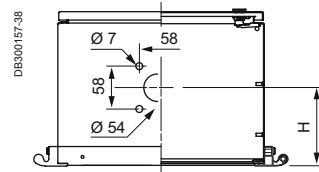


### W600 enclosure + box-keyboard installation

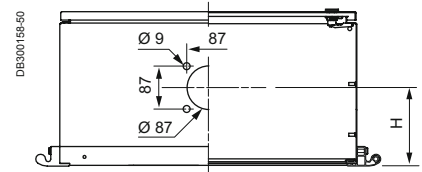


(1) Cable-gland plate.

**Figure 1**  
Enclosure depth from 200 to 250



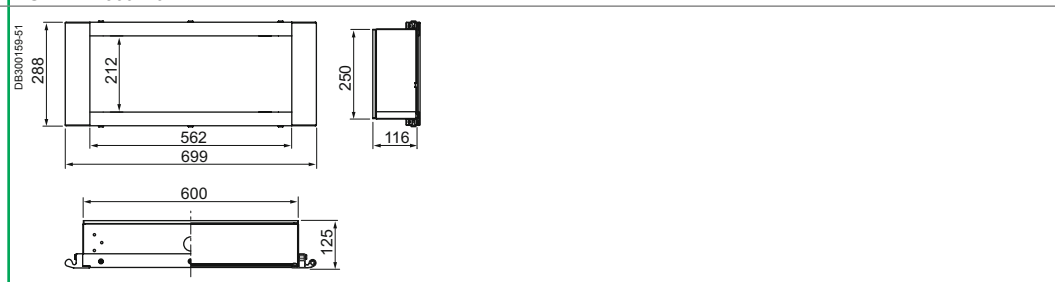
**Figure 2**  
Enclosure depth 300



### Box-keyboard for control enclosure



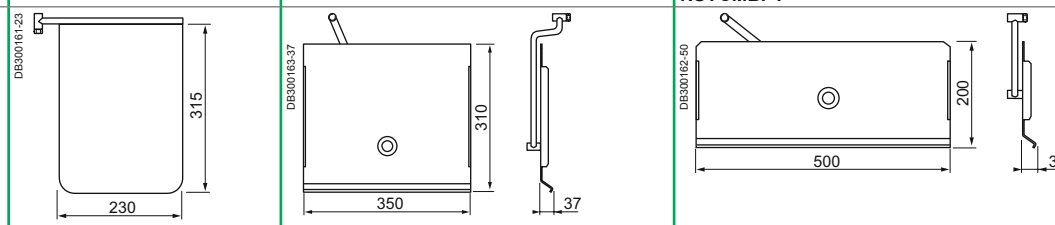
| Characteristics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            | Box-keyboard for control enclosure |                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------------------------|----------------------|
| <p>The box is installed on the control enclosures with a width of 600 mm. It then has an angle of 120° with its front face. All the accessories required for installation are delivered with 2 brackets and 1 trim rail, 1 hose for cable entry. The box for the keyboard consists of:</p> <ul style="list-style-type: none"> <li>■ a steel body, structured finish, epoxy-polyester powder, RAL 7035 grey colour, with a screwed cover,</li> <li>■ an aluminium front face (2.5 mm thick) for installing a keyboard,</li> <li>■ a trim frame made from 2 extruded-aluminium rails guaranteeing ergonomic handling of the box and the aesthetics of the unit. The frame and the front face are delivered assembled. Structured finish, epoxy-polyester powder, RAL 7040 grey colour.</li> </ul> |            |                                    |                      |
| Ingress protection rating                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | IP54       |                                    |                      |
| Mechanical protection rating                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | IK10       |                                    |                      |
| Weight                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 8 kg       |                                    |                      |
| Reference                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            |                                    |                      |
| Height (mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Width (mm) | Depth (mm)                         |                      |
| 250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 600        | 116                                | <b>NSYCMT2560110</b> |



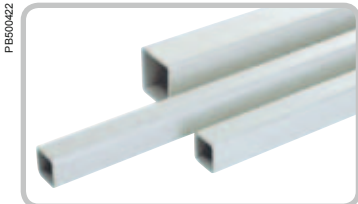
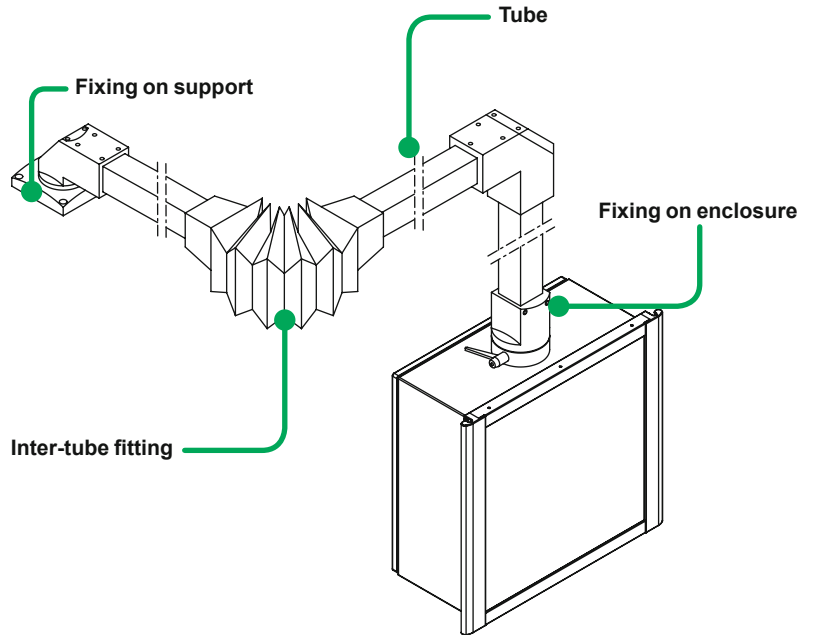
### Support



| Characteristics |                                           | Support                                                                       |                 |                 |
|-----------------|-------------------------------------------|-------------------------------------------------------------------------------|-----------------|-----------------|
|                 |                                           | Vertical                                                                      | Laptop computer | Keyboard        |
|                 |                                           | Installation on the left or right rail of the frame of the control enclosure. |                 |                 |
| Material        | Sheet steel                               |                                                                               |                 |                 |
| Finish          | Structured finish, epoxy-polyester powder |                                                                               |                 |                 |
| Colour          | RAL 7035 grey                             |                                                                               |                 |                 |
| Thickness       | 12/10° mm                                 | 20/10° mm                                                                     | 20/10° mm       |                 |
| Weight          | 1.15                                      | 2.04                                                                          | 2.16            |                 |
| References      |                                           |                                                                               |                 |                 |
| Height (mm)     | Width (mm)                                | Depth (mm)                                                                    |                 |                 |
| 315             | 230                                       | -                                                                             | <b>NSYCMSP</b>  | -               |
| -               | 350                                       | 310                                                                           | -               | <b>NSYCMBPC</b> |
| -               | 500                                       | 200                                                                           | -               | <b>NSYCMBPT</b> |



### Suspension system

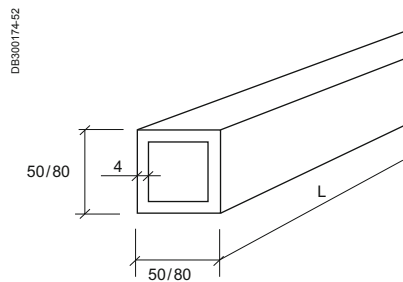


P850042

### Tube

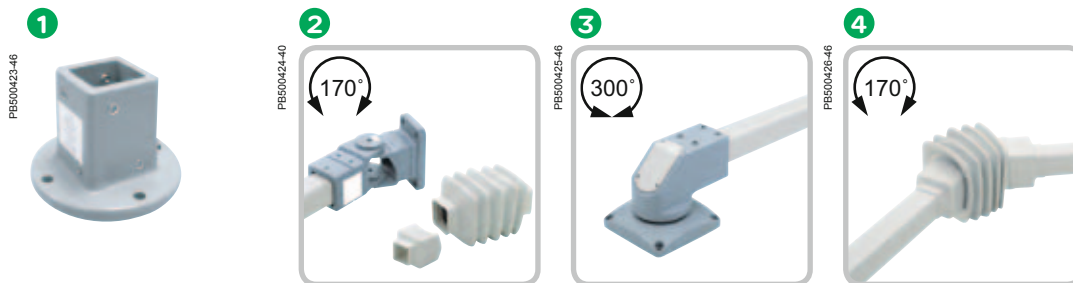
- The tubes are available in:
  - 2 sizes: square of 50 and 80 mm,
  - 4 lengths: 0.5, 1, 1.5 and 2 m.
- **Material:** extruded steel.
- **Finish:** structured finish, powder.
- **Colour:** RAL 7035 grey.
- **Thickness:** 40/10° mm.
- **Weights:**
  - 50 x 80: 6.5 kg/m,
  - 80 x 80: 10.5 kg/m.

| Length (m) | 50 mm square | 80 mm square |
|------------|--------------|--------------|
| 0.5        | NSYCMT5005   | NSYCMT8005   |
| 1          | NSYCMT5010   | NSYCMT8010   |
| 1.5        | NSYCMT5015   | NSYCMT8015   |
| 2          | NSYCMT5020   | NSYCMT8020   |



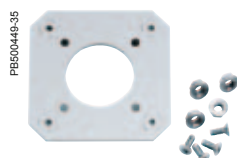
DB300174-52

## Suspension system



| Characteristics        | Fixed base                                                 |                     | Wall fixing with joint                                                                                                                                                                                                                              |                     | Rotating straight fitting                                                                                                                                                                            |                     | Horizontal inter-tube joint                                                                                                                                                                                                    |                     |
|------------------------|------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
|                        | Support foot for direct horizontal or vertical connection. |                     | Device allowing rotation through 170° of a horizontal tube, with a square section of 50 or 80 mm, and its fixing on a vertical surface. Protection by bellows, RAL 7035 grey colour. Possibility of passing cables through the inside of the joint. |                     | Device allowing the fixing and rotation through 295° of tubes, with a square section of 50 or 80 mm, in horizontal position. Without blocking the chosen position. Fixing by 4 screws, not included. |                     | Device allowing the linking and rotation through 170° of 2 horizontal tubes, with a square section of 50 or 80 mm. Protection by bellows, RAL 7035 grey colour. Possibility of passing cables through the inside of the joint. |                     |
| Material               | Moulded steel                                              |                     | Moulded steel                                                                                                                                                                                                                                       |                     | Moulded steel                                                                                                                                                                                        |                     | Moulded steel                                                                                                                                                                                                                  |                     |
| Colour                 | RAL 7040 grey                                              |                     | RAL 7040 grey                                                                                                                                                                                                                                       |                     | RAL 7040 grey                                                                                                                                                                                        |                     | RAL 7040 grey                                                                                                                                                                                                                  |                     |
| Weight (kg)            | 3.25                                                       | 7                   | 4.35                                                                                                                                                                                                                                                | 9.45                | 5.4                                                                                                                                                                                                  | 15.7                | 4.25                                                                                                                                                                                                                           | 10                  |
| <b>Dimensions (mm)</b> |                                                            |                     |                                                                                                                                                                                                                                                     |                     |                                                                                                                                                                                                      |                     |                                                                                                                                                                                                                                |                     |
| ∅ A                    | <b>50 mm square</b>                                        | <b>80 mm square</b> | <b>50 mm square</b>                                                                                                                                                                                                                                 | <b>80 mm square</b> | <b>50 mm square</b>                                                                                                                                                                                  | <b>80 mm square</b> | <b>50 mm square</b>                                                                                                                                                                                                            | <b>80 mm square</b> |
| B                      | 42                                                         | 72                  | 92                                                                                                                                                                                                                                                  | 115                 | 50                                                                                                                                                                                                   | 74                  | 42                                                                                                                                                                                                                             | 72                  |
| C                      | 105                                                        | 134                 | 118                                                                                                                                                                                                                                                 | 160                 | 68                                                                                                                                                                                                   | 98                  | 236                                                                                                                                                                                                                            | 320                 |
| D                      | 11                                                         | 11                  | 42                                                                                                                                                                                                                                                  | 72                  | 42                                                                                                                                                                                                   | 72                  | 67                                                                                                                                                                                                                             | 94                  |
| E                      | 125                                                        | 173                 | 85                                                                                                                                                                                                                                                  | 130                 | 30                                                                                                                                                                                                   | 45                  | 148                                                                                                                                                                                                                            | 190                 |
| F                      | 152                                                        | 201                 | 11                                                                                                                                                                                                                                                  | 11                  | 96                                                                                                                                                                                                   | 144                 | -                                                                                                                                                                                                                              | -                   |
| G                      | -                                                          | -                   | 148                                                                                                                                                                                                                                                 | 190                 | 96                                                                                                                                                                                                   | 141.5               | -                                                                                                                                                                                                                              | -                   |
| H                      | 72                                                         | 111                 | 80                                                                                                                                                                                                                                                  | 115                 | 134                                                                                                                                                                                                  | 195.5               | -                                                                                                                                                                                                                              | -                   |
| I                      | 97                                                         | 126                 | 130                                                                                                                                                                                                                                                 | 175                 | 140                                                                                                                                                                                                  | 210                 | -                                                                                                                                                                                                                              | -                   |
| J                      | -                                                          | -                   | 55                                                                                                                                                                                                                                                  | 90                  | 120                                                                                                                                                                                                  | 180                 | -                                                                                                                                                                                                                              | -                   |
| K                      | -                                                          | -                   | 68                                                                                                                                                                                                                                                  | 103                 | 9                                                                                                                                                                                                    | 13                  | -                                                                                                                                                                                                                              | -                   |
| L                      | 110                                                        | 140                 | 105                                                                                                                                                                                                                                                 | 150                 | 55                                                                                                                                                                                                   | 84                  | -                                                                                                                                                                                                                              | -                   |
| S                      | 15                                                         | 16                  | -                                                                                                                                                                                                                                                   | -                   | -                                                                                                                                                                                                    | -                   | -                                                                                                                                                                                                                              | -                   |

| References | NSYCMUMR50 | NSYCMUMR80 | NSYCMUMA50 | NSYCMUMA80 | NSYCMUMC50 | NSYCMUMC80 | NSYCMUIA50 | NSYCMUIA80 |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|            |            |            |            |            |            |            |            |            |

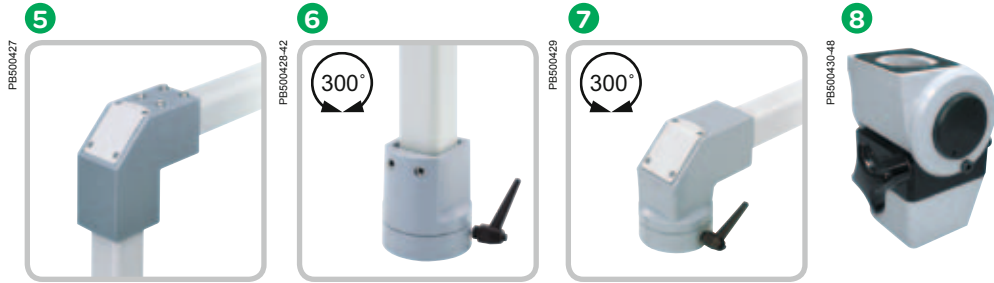


**Adapter part for enclosure D300 / Ø 80 mm**

Reference

**NSYCMUCPAD87**

## Suspension system

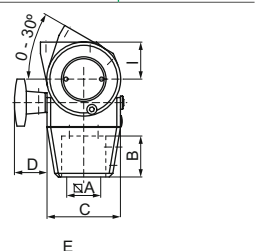
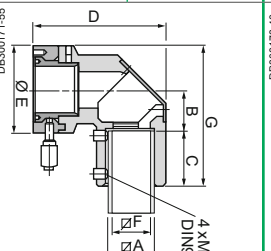
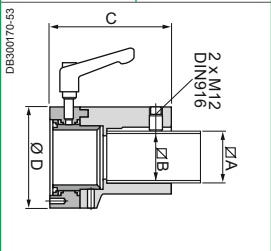
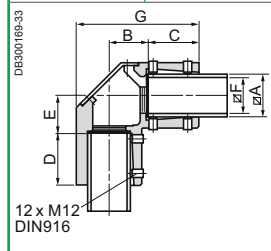


| Characteristics | Fixed bracket                                                                                                                                                                                                                                                 | Rotating fixing on enclosure                                                                                                                                                                                           | Rotating fixing in bracket on enclosure                                                                                                                                                                                   | Tilting fixing on enclosure                                                                                                                                                                                                                         |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | Our system of tubes and joints, fixed or rotating, enables all the solutions to respond to the installation needs of the control enclosures for human-machine dialogue. Device allowing the combination and fixing of a horizontal tube with a vertical tube. | Device allowing the fixing and rotation through 310° of tubes, with a square section of 50 or 80 mm, in vertical position. System for blocking in the chosen position. Fixing through the support surface by 4 screws. | Devices allowing the fixing and rotation through 310° of tubes, with a square section of 50 or 80 mm, in horizontal position. System for blocking in the chosen position. Fixing through the support surface by 4 screws. | This fixing allows the enclosures to be tilted up to 30°. System for blocking in the chosen position. It is installed on enclosures with depths of 200 and 250 mm. The installation on enclosures with a depth of 300 mm requires an adapter plate. |
| Material        | Aluminium                                                                                                                                                                                                                                                     | Aluminium                                                                                                                                                                                                              | Aluminium                                                                                                                                                                                                                 | -                                                                                                                                                                                                                                                   |
| Colour          | RAL 7040 grey                                                                                                                                                                                                                                                 | RAL 7040 grey                                                                                                                                                                                                          | RAL 7040 grey                                                                                                                                                                                                             | -                                                                                                                                                                                                                                                   |
| Weight (kg)     | 1.35    2.4                                                                                                                                                                                                                                                   | 1.25    3.1                                                                                                                                                                                                            | 2    6.55                                                                                                                                                                                                                 | 2.98    3.10                                                                                                                                                                                                                                        |

| Dimensions (mm) |              |     |              |     |              |       |              |     |              |     |
|-----------------|--------------|-----|--------------|-----|--------------|-------|--------------|-----|--------------|-----|
| ∅ A             | 50 mm square |     | 80 mm square |     | 50 mm square |       | 80 mm square |     | 50 mm square |     |
| B               | 46           | 56  | 42           | 72  | 46           | 56    | 55           | 55  | 55           | 55  |
| C               | 60           | 83  | 115          | 145 | 60           | 83    | 100          | 100 | 100          | 100 |
| D               | 60           | 83  | 96           | 139 | 147          | 190   | 44           | 44  | 44           | 44  |
| E               | 46           | 56  | 52.3         | 85  | 96           | 139   | 121          | 121 | 121          | 121 |
| F               | 42           | 70  | 58           | 87  | 42           | 72    | 182          | 182 | 182          | 182 |
| G               | 144          | 193 | -            | -   | 154          | 208.5 | 50           | 50  | 50           | 50  |
| H               | -            | -   | -            | -   | 42           | 70    | 100          | 100 | 100          | 100 |
| I               | -            | -   | -            | -   | 58           | 87    | 50           | 50  | 50           | 50  |
| M               | -            | -   | M6           | M8  | M6           | M8    | -            | -   | -            | -   |

**References**

| NSYCMUTC50 | NSYCMUTC80 | NSYCMUCR50 | NSYCMUCR80 | NSYCMUCC50 | NSYCMUCC80 | NSYCMUCP50 | NSYCMUCP80 |
|------------|------------|------------|------------|------------|------------|------------|------------|
|------------|------------|------------|------------|------------|------------|------------|------------|

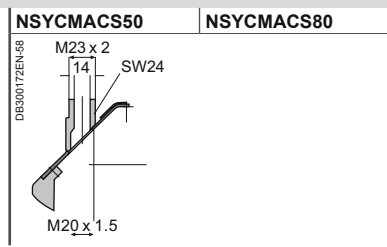


**Adapter for signalling beacon**

- It is installed on fixed brackets ref. **NSYCMUTC50** and **NSYCMUTC80**.
- **Material:** aluminium.
- **Finish:** structured finish, powder.
- **Colour:** RAL 7040 grey.











|        |              |              |
|--------|--------------|--------------|
| Weight | 0.025 kg     | 0.08 kg      |
| ∅ A    | 50 mm square | 80 mm square |

**References**



# Human-Machine Interface

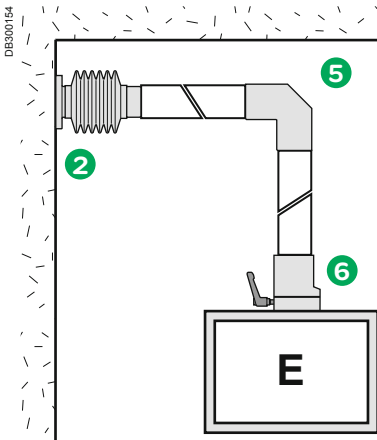
## Selection guide

| Enclosure                                                                                          |                                | References                                                                                         |                                           |
|----------------------------------------------------------------------------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------------|
| <br>PB500421-24   | H x W x D (mm)<br>top wall     | Tube section<br>∅ 50 mm                                                                            | ∅ 80 mm                                   |
|                                                                                                    | 300 x 300 x 200                | NSYS3CM303020                                                                                      | -                                         |
|                                                                                                    | 300 x 400 x 200                | NSYS3CM304020                                                                                      | -                                         |
|                                                                                                    | 400 x 400 x 200                | NSYS3CM404020                                                                                      | -                                         |
|                                                                                                    | 400 x 600 x 250                | NSYS3CM406025*                                                                                     | -                                         |
|                                                                                                    | 500 x 500 x 250                | NSYS3CM505025                                                                                      | -                                         |
|                                                                                                    | 600 x 600 x 200                | NSYS3CM606020*                                                                                     | -                                         |
|                                                                                                    | 600 x 800 x 300                | -                                                                                                  | NSYS3CM608030                             |
| 800 x 600 x 300                                                                                    | -                              | NSYS3CM806030*                                                                                     |                                           |
| Tube                                                                                               |                                | References                                                                                         |                                           |
| <br>PB500422-33   | Length (m)                     | Tube section<br>∅ 50 mm                                                                            | ∅ 80 mm                                   |
|                                                                                                    | 0.5                            | NSYCMT5005                                                                                         | NSYCMT8005                                |
|                                                                                                    | 1                              | NSYCMT5010                                                                                         | NSYCMT8010                                |
|                                                                                                    | 1.5                            | NSYCMT5015                                                                                         | NSYCMT8015                                |
|                                                                                                    | 2                              | NSYCMT5020                                                                                         | NSYCMT8020                                |
| Fixing on support (steel material)                                                                 |                                | References                                                                                         |                                           |
| <br>PB500423-26  | ① Fixed base                   | Tube section<br>∅ 50 mm                                                                            | ∅ 80 mm                                   |
|                                                                                                    |                                | NSYCMUMR50                                                                                         | NSYCMUMR80                                |
|                                                                                                    |                                | <br>PB500424-25 | ② Wall fixing with joint                  |
| <br>PB500425-30 | ③ Rotating straight fitting    |                                                                                                    |                                           |
|                                                                                                    |                                | Inter-tube fitting (aluminium material)                                                            |                                           |
| <br>PB500426-28 | ④ Horizontal inter-tube joint  | Tube section<br>∅ 50 mm                                                                            | ∅ 80 mm                                   |
|                                                                                                    |                                | NSYCMUIA50                                                                                         | NSYCMUIA80                                |
| <br>PB500427-24 | ⑤ Fixed bracket                | NSYCMUTC50                                                                                         | NSYCMUTC80                                |
| Fixing on enclosure (aluminium material)                                                           |                                | References                                                                                         |                                           |
| <br>PB500428-18 | ⑥ Rotating fixing on enclosure | Tube section<br>∅ 50 mm                                                                            | ∅ 80 mm                                   |
|                                                                                                    |                                | NSYCMUCR50                                                                                         | NSYCMUCR80                                |
|                                                                                                    |                                | <br>PB500429-28 | ⑦ Rotating fixing in bracket on enclosure |
| <br>PB500430-23 | ⑧ Tilting fixing on enclosure  |                                                                                                    |                                           |

\* Enclosure equipped with a cable-gland plate.

(1) Installation on an enclosure D300 requires plate ref. NSYCMUCPAD87 (see page 412).

# Human-Machine Interface Examples



**Fixing on support**

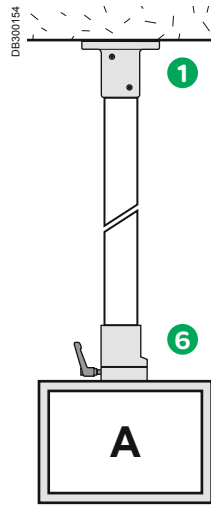
2 See page 412

**Inter-tube fitting**

5 See page 413

**Fixing on enclosure**

6 See page 413



**Fixing on support**

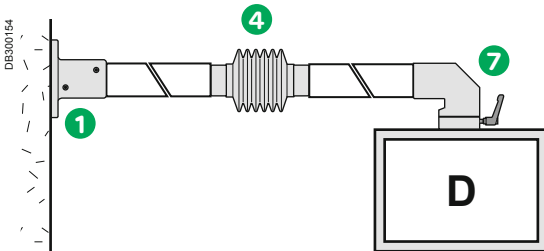
1 See page 412

**Inter-tube fitting**

-

**Fixing on enclosure**

6 See page 413



**Fixing on support**

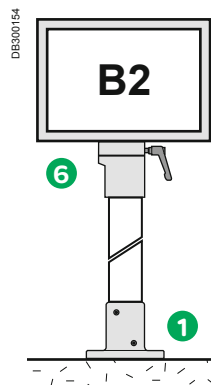
1 See page 412

**Inter-tube fitting**

4 See page 412

**Fixing on enclosure**

7 See page 413



**Fixing on support**

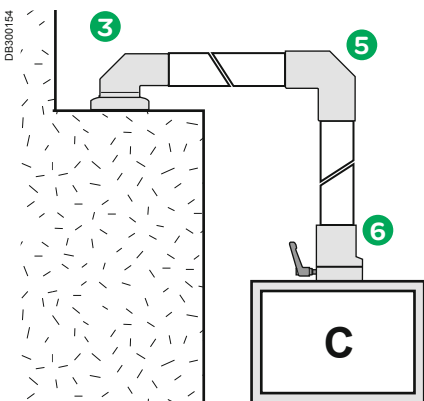
1 See page 412

**Inter-tube fitting**

-

**Fixing on enclosure**

6 See page 413



**Fixing on support**

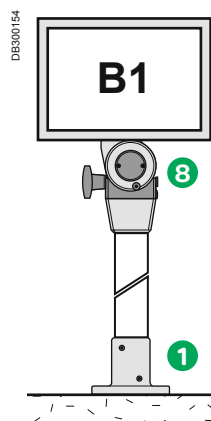
3 See page 412

**Inter-tube fitting**

5 See page 413

**Fixing on enclosure**

6 See page 413



**Fixing on support**

1 See page 412

**Inter-tube fitting**

-

**Fixing on enclosure**

8 See page 413

**SD**

> The range of **Spacial SD** control desks provides all the functions required of a workstation intended for industrial and infrastructure applications.



### Steel control desks

PB501202-16



#### Accessibility

There are two versions of the Compact control desk:

- Front accessibility: designed for straightforward solutions.
- Front and rear accessibility through a removable panel: enables the installation of two adjoining plates and to work at the rear.

The control desk with console offers full accessibility, since it is fully accessible from the rear thanks to the 3-point closure door it includes.

For Spacial SD, the accessibility which allows quick and easy work is one of its main priorities. For this reason, its design excludes the central upright.

PB501197-32



#### Easy

The console opens easily and safely thanks to the installed pneumatic opening lid stays. Cable entry is optimised because all the models of the range include a cable-gland plate with two adjustable parts.

PB501189-14



#### Convenience

The possibility of connecting the modular control desk to the modular consoles affords multiple combinations. The opening direction of the door can be changed quickly thanks to the included hinges.

PB501194-19



#### Compatibility

Furthermore, the Spacial SD control desk is compatible with most of the accessories of the Spacial SF and SM ranges.

**This range can be configured according to your needs**

4 different services available:



Assemble to order



Mounting of standard accessories



Painting



Machining

See page 450 for details or consult our web site [www.schneider-electric.com](http://www.schneider-electric.com)

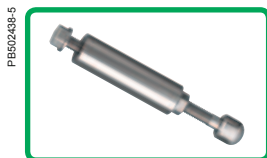


### SDX

➤ The association of a monobloc control desk with one or more consoles enables all combinations. Complete accessibility to the inside of the control desk thanks to its design without intermediate crossbars.



### Stainless-steel control desks



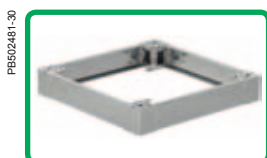
#### Hygiene

The high quality of the standard finish enables very easy maintenance while avoiding contamination. The hygienic feet made from 316L stainless-steel, adjustable between 140 mm and 200 mm height, make it easier to clean under the enclosures.



#### Resistance to corrosion

High resistance to corrosion. 304L and 316L stainless-steels provide the best solutions for applications in extremely demanding environments.



#### Compatibility with the other ranges

- Stainless-steel accessories:
  - plinths, locks.
- Accessories of the steel control desks offer:
  - mounting plate, pneumatic opening stay, etc.

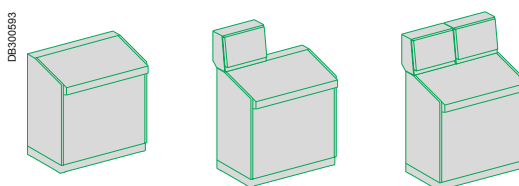


#### Convenient

The desk lid and the console are equipped with pneumatic opening stays (opening to 75°) allowing complete access to the inside and preventing sudden falls of the console or the hinged cover. Equipped with adjustment rails for adjusting the depth of the mounting plate. Removable rear panel.

### ★ Examples of associations

#### Consoles and control desks



Multiple combinations available.

This range can be configured according to your needs

4 different services available:



Assemble to order



Mounting of standard accessories



Painting



Machining

See page 450 for details or consult our web site [www.schneider-electric.com](http://www.schneider-electric.com)

# Human-Machine Interface Characteristics



| Characteristics              | Compact control desk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Control desk with console                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              | <b>Sheet steel</b><br>This range is available in 4 widths with fixed rear panel. Full accessibility is provided from the front (no central upright). Easy removable and reversible door opening to 120°. Locking by 3-mm doublebar lock (other inserts or cylinders also available, to be ordered separately, see page 428). Desk lid equipped with a pneumatic opening stay. Opens to 75°. Perforated reinforcement rails with a pitch of 25 mm. Control desk equipped with adjustment rails with a pitch of 25 mm and brackets allowing adjustment of the mounting plate depth. Cable-gland plate with 2 adjustable parts, with polyurethane gasket. M8 x 18-mm earthing bolt for equipotential connection between the door and the body. | <b>Sheet steel</b><br>Full accessibility is provided from the front and rear. Easy removable and reversible front door, opening to 120°. Locking by two-point locks with 3-mm double-bar insert. Desk lid equipped with a pneumatic opening stay. Opens to 75°. Perforated reinforcement rails with a pitch of 25 mm for quick installation of cables and cable ducts. Locking by two-point locks with 3-mm double-bar insert. Hinged console cover equipped with a pneumatic opening stay. Opens to 75°. Locking by two-point locks with 3-mm double-bar insert. Easy removable and reversible rear door, opening to 120°. Locking by three-point lock with flat escutcheon, 5-mm double-bar insert. One entry cable-gland plate, with polyurethane gasket. Control desk equipped with adjustment rails with a pitch of 25 mm and brackets allowing adjustment of the mounting plate depth. M8 x 18-mm earthing bolt for equipotential connection between the door and the body. |
| Material                     | Welded folded sheet steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Welded folded sheet steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Finish                       | Structured finish, epoxy-polyester powder paint                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Structured finish, epoxy-polyester powder paint                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Colour                       | RAL 7035 grey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | RAL 7035 grey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Thickness                    | 15/10 <sup>6</sup> mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 15/10 <sup>6</sup> mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Ingress protection rating    | IP55                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IP55                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Mechanical protection rating | IK10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IK10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Options                      | It can also be equipped with a mounting plate, see page 430                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Plinth options see page 426. It can also be equipped with a mounting plate, see options page 430. Locking system: other inserts or cylinders also available, see page 428. The console can support the installation of a 14" screen with an optional PC support plate, see page 430.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

| References      |        |       |             |         |                 |                |                        |            |
|-----------------|--------|-------|-------------|---------|-----------------|----------------|------------------------|------------|
| Dimensions (mm) |        |       | Door number |         | No. Front doors | No. Rear doors | No. cable gland plates |            |
| Width (B)       | Height | Depth | 1           | 2       |                 |                |                        |            |
| 600             | 1000   | 469   | NSYSD6      | -       | -               | -              | -                      | -          |
|                 |        | 500   | -           | -       | -               | -              | -                      | -          |
|                 |        | 600   | -           | -       | -               | -              | -                      | -          |
| 800             | 1000   | 469   | NSYSD8      | -       | -               | -              | -                      | -          |
|                 |        | 500   | -           | -       | -               | -              | -                      | -          |
|                 |        | 600   | -           | -       | -               | -              | -                      | -          |
|                 | 1400   | 845   | -           | -       | 1               | 1              | 1                      | NSYSDF88   |
|                 |        | 1045  | -           | -       | 1               | 1              | 1                      | NSYSDF810  |
| 1000            | 1000   | 469   | -           | NSYSD10 | -               | -              | -                      | -          |
|                 |        | 500   | -           | -       | -               | -              | -                      | -          |
|                 |        | 600   | -           | -       | -               | -              | -                      | -          |
|                 | 1400   | 845   | -           | -       | 2               | 2              | 1                      | NSYSDF108  |
|                 |        | 1045  | -           | -       | 2               | 2              | 1                      | NSYSDF1010 |
| 1200            | 1000   | 469   | -           | NSYSD12 | -               | -              | -                      | -          |
|                 |        | 500   | -           | -       | -               | -              | -                      | -          |
|                 |        | 600   | -           | -       | -               | -              | -                      | -          |
|                 | 1400   | 845   | -           | -       | 2               | 2              | 1                      | NSYSDF128  |
|                 |        | 1045  | -           | -       | 2               | 2              | 1                      | NSYSDF1210 |
| 1600            | 1400   | 845   | -           | -       | 2               | 2              | 2                      | NSYSDF168  |
|                 |        | 1045  | -           | -       | 2               | 2              | 2                      | NSYSDF1610 |

# Human-Machine Interface Characteristics

**SD**



**SDX**



**Compact control desk with rear panel**

| Sheet steel                                                                                                                                                                                         | Stainless-steel sheet                                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Removable rear panel. It enables the installation of two racks back-to-back, allowing the installation of a large number of devices, while ensuring full accessibility from the front and the rear. |                                                                                                                                                                        |
| At the top, these control desks are equipped with cable-entry cut-outs, that allows the installation of one or more modular consoles.                                                               |                                                                                                                                                                        |
| Easy removable and reversible door, opening to 120°. Locking by 3-mm doublebar lock (other inserts or cylinders also available, to be ordered separately, see page 428).                            |                                                                                                                                                                        |
| Desk lid equipped with a pneumatic opening stay. Opens to 75°. Perforated reinforcement rails with a pitch of 25 mm.                                                                                |                                                                                                                                                                        |
| Top cable-entry cut-outs covered by a entire blanking cover.                                                                                                                                        |                                                                                                                                                                        |
| Control desk equipped with adjustment rails with a pitch of 25 mm and brackets allowing adjustment of the mounting plate depth.                                                                     |                                                                                                                                                                        |
| Cable-gland plate with 2 adjustable parts, with polyurethane gasket.                                                                                                                                |                                                                                                                                                                        |
| M8 x 18-mm earthing screw for equipotential connection between the door and the body.                                                                                                               |                                                                                                                                                                        |
| Welded folded sheet steel                                                                                                                                                                           | 304L stainless-steel sheet                                                                                                                                             |
| Structured finish, epoxy-polyester powder paint                                                                                                                                                     | Scotch-Brite® brushed finish                                                                                                                                           |
| RAL 7035 grey                                                                                                                                                                                       | -                                                                                                                                                                      |
| 15/10° mm                                                                                                                                                                                           | 15/10° mm                                                                                                                                                              |
| IP55                                                                                                                                                                                                | IP55                                                                                                                                                                   |
| IK10                                                                                                                                                                                                | IK10                                                                                                                                                                   |
| Modular consoles to be installed on top of compact control desk. See details and combinations page 424. It can also be equipped with a mounting plate, see page 430.                                | Stainless-steel modular consoles to be installed on top of compact control desk. See details and combinations page 424. It can also be equipped with a mounting plate. |

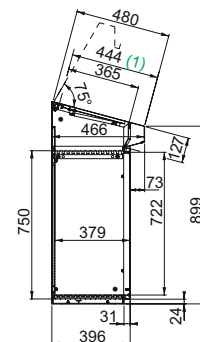
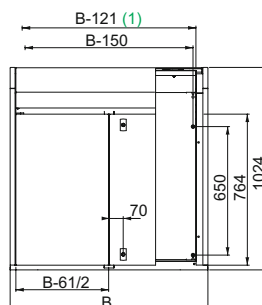
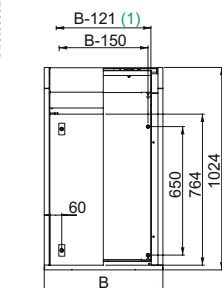
| Door number |          | Door number |          |
|-------------|----------|-------------|----------|
| 1           | 2        | 1           | 2        |
| -           | -        | -           | -        |
| -           | -        | NSYSDX6     | -        |
| NSYSD6R     | -        | -           | -        |
| -           | -        | -           | -        |
| -           | -        | NSYSDX8     | -        |
| NSYSD8R     | -        | -           | -        |
| -           | -        | -           | -        |
| -           | -        | -           | -        |
| -           | -        | -           | NSYSDX10 |
| -           | NSYSD10R | -           | -        |
| -           | -        | -           | -        |
| -           | -        | -           | -        |
| -           | -        | -           | NSYSDX12 |
| -           | NSYSD12R | -           | -        |
| -           | -        | -           | -        |
| -           | -        | -           | -        |
| -           | -        | -           | -        |
| -           | -        | -           | -        |

## SD Compact control desk

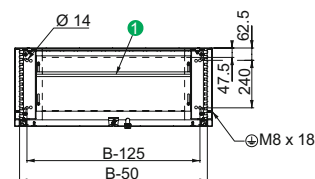
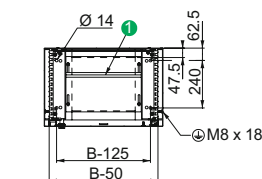
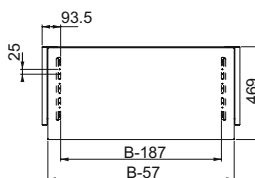
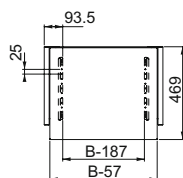
1 door

2 doors

DB30055REN-102



Common side view.  
(1) Useful clearance.



### Cable-gland plate clearance dimensions (mm)

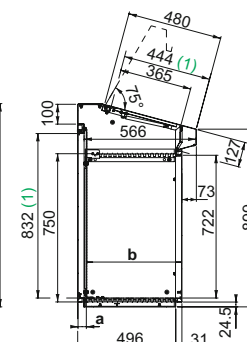
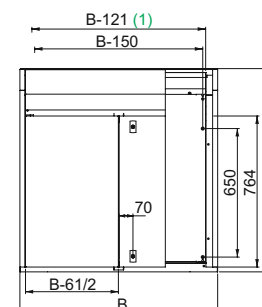
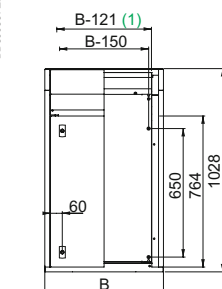
| Width | Maximum opening |
|-------|-----------------|
| B-280 | 56              |

## SD Compact control desks with rear panel

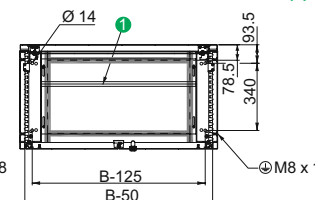
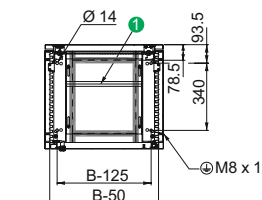
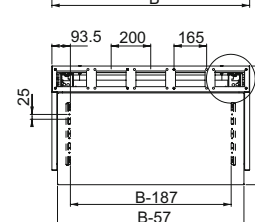
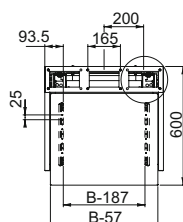
1 door

2 doors

DB300557EN-108



Common side view.  
(1) Useful clearance.



### Cable-gland plate clearance dimensions (mm)

| Width | Maximum opening |
|-------|-----------------|
| B-280 | 56              |

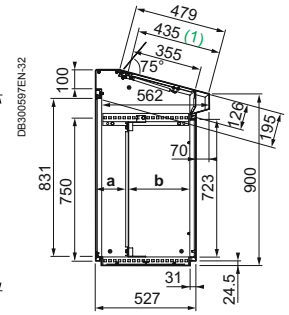
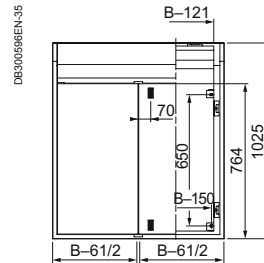
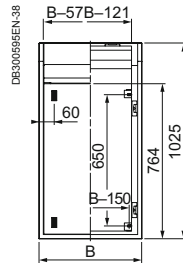
### Adjustment of the depth of the mounting plate (mm)

| Depth | Min. | Max. |
|-------|------|------|
| a     | 42   | 392  |
| b     | 129  | 479  |

## SDX Compact control desks with rear panel

1 door

2 doors



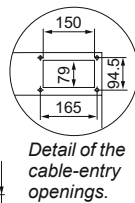
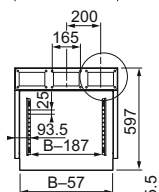
Common side view.  
(1) Useful clearance.

### Cable-gland plate clearance dimensions (mm)

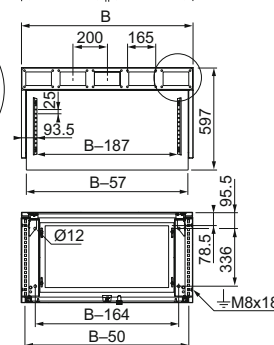
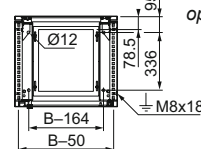
| Width | Maximum opening |
|-------|-----------------|
| B-280 | 370             |

### Adjustment of the depth of the mounting plate (mm)

| Depth | Min. | Max. |
|-------|------|------|
| a     | 45   | 395  |
| b     | 126  | 476  |



Detail of the cable-entry openings.

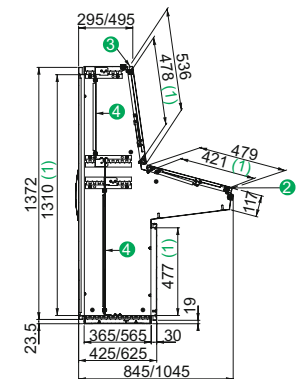
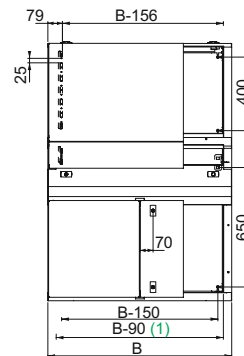
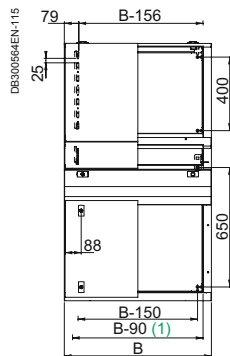


## SD

## Control desk with console

1 door

2 doors



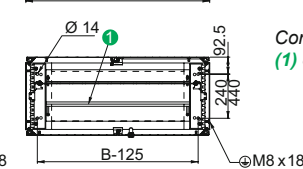
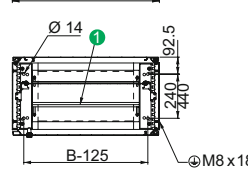
Common side view.  
(1) Useful clearance.

### Cable-gland plate clearance dimensions (mm)

| Width | Maximum opening |
|-------|-----------------|
| B-280 | 56              |

### Notes

- 1 1 entry cable-gland plate
- 2 Maximum opening of the hinged desk lid: 75°
- 3 Maximum opening of the hinged console cover: 75°
- 4 Optional mounting plate installation, see page 430



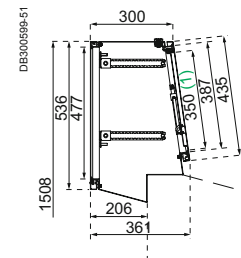
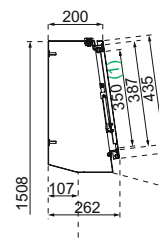
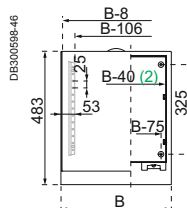
## SD

## SDX

## Modular console

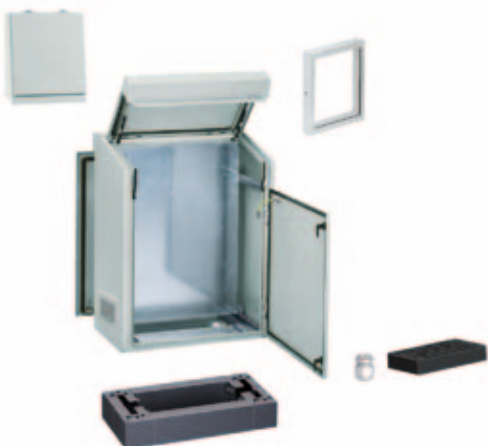
Depth 200 mm

Depth 300 mm



(1) Useful clearance.  
(2) Same dimensions for the rear panel.

PB501614-77



### Composition accessories

#### Modular consoles



Page 424

#### Floor



Page 426

#### Door



Page 427

#### Locking system



Page 428

#### Windows



Page 298

### Installation accessories

#### Mounting acc.



Page 430

PB502439-65



### Cable management

#### Cable holding

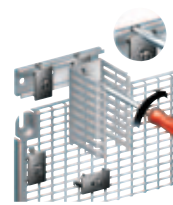
PB500986-40



Page 282

#### Cable ducting

PB500959-22



Page 285

### Thermal management

#### Heaters

PB502050-29



Page 508

#### Ventilation

PB501044-26



Page 460

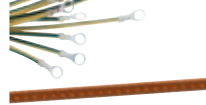
### Others

#### Earthing

PB500084-24



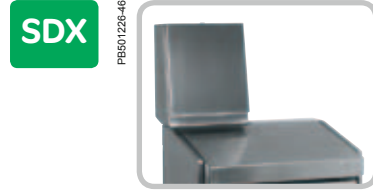
PB500277-18



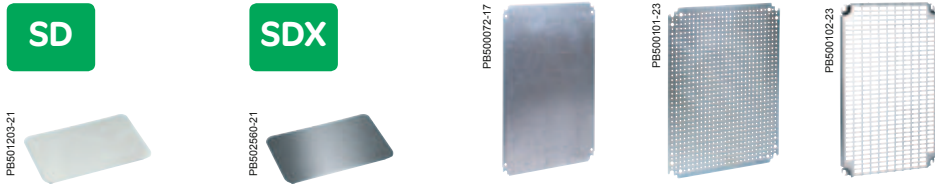
PB500948-88

Page 300

## Modular consoles





















| Characteristics              |        |       | Modular consoles                                                                                                                                                                                                                                                                                                                       |          |                              |           |
|------------------------------|--------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------------|-----------|
|                              |        |       | Sheet steel                                                                                                                                                                                                                                                                                                                            |          | Stainless-steel sheet        |           |
|                              |        |       | Hinged modular console cover equipped with a pneumatic opening stay. Opens to 75°. Locking of the hinged modular console cover by two 3-mm double-bar locks (other inserts or barrels also available, to be ordered separately, see page 428). Screw fixed rear panel equipped with step slides in the version with a depth of 300 mm. |          |                              |           |
| Material                     |        |       | Welded folded sheet steel                                                                                                                                                                                                                                                                                                              |          | 304L stainless-steel sheet   |           |
| Finish                       |        |       | Structured finish, epoxy-polyester powder paint                                                                                                                                                                                                                                                                                        |          | Scotch-Brite® brushed finish |           |
| Colour                       |        |       | RAL 7035 grey                                                                                                                                                                                                                                                                                                                          |          | -                            |           |
| Thickness                    |        |       | 15/10 <sup>e</sup> mm                                                                                                                                                                                                                                                                                                                  |          | 15/10 <sup>e</sup> mm        |           |
| Ingress protection rating    |        |       | IP55                                                                                                                                                                                                                                                                                                                                   |          | IP55                         |           |
| Mechanical protection rating |        |       | IK10                                                                                                                                                                                                                                                                                                                                   |          | IK10                         |           |
| Options                      |        |       | The link between the control desk and the modular console requires, in certain cases, the addition of one or several blanking covers (to be ordered separately). Optional galvanised mounting plate.                                                                                                                                   |          |                              |           |
| References                   |        |       |                                                                                                                                                                                                                                                                                                                                        |          |                              |           |
| Dimensions (mm)              |        |       | No. of cable entry cut-outs                                                                                                                                                                                                                                                                                                            |          |                              |           |
| Width (B)                    | Height | Depth | 2                                                                                                                                                                                                                                                                                                                                      | 3        | 2                            | 3         |
| 400                          | 483    | 200   | NSYSDC42                                                                                                                                                                                                                                                                                                                               | -        | NSYSDCX42                    | -         |
|                              |        | 300   | NSYSDC43                                                                                                                                                                                                                                                                                                                               | -        | NSYSDCX43                    | -         |
| 600                          | 483    | 200   | -                                                                                                                                                                                                                                                                                                                                      | NSYSDC62 | -                            | NSYSDCX62 |
|                              |        | 300   | -                                                                                                                                                                                                                                                                                                                                      | NSYSDC63 | -                            | NSYSDCX63 |



| Characteristics            |                                       |       | Blanking cover                                                                                                                                                                                                                          |                       | Mounting plates for modular consoles                                                                                                     |                                |                                                                            |
|----------------------------|---------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------------------------------------------------------|
|                            |                                       |       | To conceal the free space of the control desk when the width of the console or consoles is less than the width of the control desk.<br>In any case, it is necessary to previously remove the top plate delivered with the control desk. |                       | Steel mounting plates can be installed at the back of modular consoles (F).<br>See more information about the mounting plates pages 214. |                                |                                                                            |
| Material                   |                                       |       | Sheet steel                                                                                                                                                                                                                             | 304L stainless-steel  | Steel                                                                                                                                    |                                |                                                                            |
| Finish                     |                                       |       | Structured finish, epoxy-polyester powder paint,                                                                                                                                                                                        | -                     | -                                                                                                                                        |                                |                                                                            |
| Colour                     |                                       |       | RAL 7035 grey                                                                                                                                                                                                                           | -                     | -                                                                                                                                        |                                |                                                                            |
| Thickness                  |                                       |       | 15/10 <sup>e</sup> mm                                                                                                                                                                                                                   | 15/10 <sup>e</sup> mm | -                                                                                                                                        |                                |                                                                            |
| Fixing                     |                                       |       | Fixing by screws                                                                                                                                                                                                                        | Fixing by screws      | -                                                                                                                                        |                                |                                                                            |
| References                 |                                       |       |                                                                                                                                                                                                                                         |                       |                                                                                                                                          |                                |                                                                            |
| Blanking cover length (mm) |                                       |       | NSYRP2                                                                                                                                                                                                                                  |                       | NSYRPX2                                                                                                                                  |                                | -                                                                          |
| 200                        |                                       |       |                                                                                                                                                                                                                                         |                       |                                                                                                                                          |                                | -                                                                          |
| Modular console width (mm) | Fixing centre-to-centre distance (mm) |       |                                                                                                                                                                                                                                         |                       | Plain mounting plate                                                                                                                     | Microperforated mounting plate | Telequick mounting plate                                                   |
|                            | Height                                | Width |                                                                                                                                                                                                                                         |                       |                                                                                                                                          |                                |                                                                            |
| 400                        | 325                                   | 325   | -                                                                                                                                                                                                                                       | -                     | NSYMM44                                                                                                                                  | NSYMF44                        | NSYMR44                                                                    |
| 600                        | 625                                   | 325   | -                                                                                                                                                                                                                                       | -                     | NSYMM64                                                                                                                                  | NSYMF64                        | NSYMR64                                                                    |
|                            |                                       |       |                                                                                                                                                                                                                                         |                       |                                                                                                                                          |                                |                                                                            |
|                            |                                       |       |                                                                                                                                                                                                                                         |                       | <p>Example installation of a mounting plate in a console depth 200 mm.</p>                                                               |                                | <p>Example installation of a mounting plate in a console depth 300 mm.</p> |



## Modular consoles





| Combination examples of modular consoles installation                               | Compact control desk                                                                |             | Modular console |                                           | Blanking cover                                |             |             |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------|-----------------|-------------------------------------------|-----------------------------------------------|-------------|-------------|
|                                                                                     | Spacial SD                                                                          | Spacial SDX | Spacial SD      | Spacial SDX                               | Spacial SD                                    | Spacial SDX |             |
| <b>600</b>                                                                          |                                                                                     |             |                 |                                           |                                               |             |             |
|    |    | NSYSD6R     | NSYSDX6         | NSYSDC42 / NSYSDC43                       | NSYSDCX42 / NSYSDCX43                         | NSYRP2      | NSYRPX2     |
|                                                                                     |    | NSYSD6R     | NSYSDX6         | NSYSDC62 / NSYSDC63                       | NSYSDCX62 / NSYSDCX63                         | -           | -           |
| <b>800</b>                                                                          |                                                                                     |             |                 |                                           |                                               |             |             |
|    |    | NSYSD8R     | NSYSDX8         | NSYSDC42 / NSYSDC43                       | NSYSDCX42 / NSYSDCX43                         | 2 x NSYRP2  | 2 x NSYRPX2 |
|                                                                                     |    | NSYSD8R     | NSYSDX8         | 2 x NSYSDC42 / 2 x NSYSDC43               | 2 x NSYSDCX42 / 2 x NSYSDCX43                 | -           | -           |
|                                                                                     |   | NSYSD8R     | NSYSDX8         | NSYSDC62 / NSYSDC63                       | NSYSDCX62 / NSYSDCX63                         | NSYRP2      | NSYRPX2     |
| <b>1000</b>                                                                         |                                                                                     |             |                 |                                           |                                               |             |             |
|  |  | NSYSD10R    | NSYSDX10        | NSYSDC42 / NSYSDC43                       | NSYSDCX42 / NSYSDCX43                         | 3 x NSYRP2  | 3 x NSYRPX2 |
|                                                                                     |  | NSYSD10R    | NSYSDX10        | NSYSDC62 / NSYSDC63                       | NSYSDCX62 / NSYSDCX63                         | 2 x NSYRP2  | 2 x NSYRPX2 |
|                                                                                     |  | NSYSD10R    | NSYSDX10        | NSYSDC62 / NSYSDC63                       | NSYSDCX62 / NSYSDCX63                         | 2 x NSYRP2  | 2 x NSYRPX2 |
|                                                                                     |  | NSYSD10R    | NSYSDX10        | NSYSDC42 + NSYSDC62 / NSYSDC43 + NSYSDC63 | NSYSDCX42 + NSYSDCX62 / NSYSDCX43 + NSYSDCX63 | -           | -           |
| <b>1200</b>                                                                         |                                                                                     |             |                 |                                           |                                               |             |             |
|  |  | NSYSD12R    | NSYSDX12        | NSYSDC42 / NSYSDC43                       | NSYSDCX42 / NSYSDCX43                         | 4 x NSYRP2  | 4 x NSYRPX2 |
|                                                                                     |  | NSYSD12R    | NSYSDX12        | NSYSDC62 / NSYSDC63                       | NSYSDCX62 / NSYSDCX63                         | 3 x NSYRP2  | 3 x NSYRPX2 |
|                                                                                     |  | NSYSD12R    | NSYSDX12        | NSYSDC62 / NSYSDC63                       | NSYSDCX62 / NSYSDCX63                         | 3 x NSYRP2  | 3 x NSYRPX2 |
|                                                                                     |  | NSYSD12R    | NSYSDX12        | 2 x NSYSDC62 / 2 x NSYSDC63               | 2 x NSYSDCX62 / 2 x NSYSDCX63                 | -           | -           |
|                                                                                     |  | NSYSD12R    | NSYSDX12        | NSYSDC42 + NSYSDC62 / NSYSDC43 + NSYSDC63 | NSYSDCX42 + NSYSDCX62 / NSYSDCX43 + NSYSDCX63 | NSYRP2      | NSYRPX2     |

**SD SDX**

## Floor

For more information, see page 100.



| Characteristics                                                                     | Front and rear plinth                                                                                                                                                                                                                                |               |                       |                | Plinth side panels                                                                                                                                                                                                                     |               |                       |               |                   |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------|---------------|-------------------|
|                                                                                     | The front and rear of the plinth consists of 4 corners with 2 or 4 panels.                                                                                                                                                                           |               |                       |                | They are fixed to the corner of the plinth by 2 fixing screws.                                                                                                                                                                         |               |                       |               |                   |
| Material                                                                            | Folded sheet steel, corner with a thickness of 25/10 <sup>o</sup> mm                                                                                                                                                                                 |               | 316L stainless-steel* |                | Folded sheet steel                                                                                                                                                                                                                     |               | 316L stainless-steel* |               |                   |
| Finish                                                                              | Painted with epoxy-polyester resin                                                                                                                                                                                                                   |               | -                     |                | Painted with epoxy-polyester resin                                                                                                                                                                                                     |               | -                     |               |                   |
| Colour                                                                              | RAL 7022 grey                                                                                                                                                                                                                                        |               | -                     |                | RAL 7022 grey                                                                                                                                                                                                                          |               | -                     |               |                   |
| Ingress protection rating                                                           | IP30                                                                                                                                                                                                                                                 |               | IP30                  |                | IP30                                                                                                                                                                                                                                   |               | IP30                  |               |                   |
| Mechanical protection rating                                                        | IK10                                                                                                                                                                                                                                                 |               | IK10                  |                | IK10                                                                                                                                                                                                                                   |               | IK10                  |               |                   |
| Supply                                                                              | <ul style="list-style-type: none"> <li>■ Height 100 mm: 4 corners, 2 panels (front and rear), 4 corner covers and fixing elements</li> <li>■ Height 200 mm: 4 corners, 4 panels (2 front and 2 rear), 4 corner covers and fixing elements</li> </ul> |               |                       |                | <ul style="list-style-type: none"> <li>■ Height 100 mm: 2 side panels, 4 corner covers and fixing elements</li> <li>■ Height 200 mm: 4 side panels (height of 100 mm, 2 for each side), 4 corner covers and fixing elements</li> </ul> |               |                       |               |                   |
| <b>Control desk references</b>                                                      | <b>Plinths references</b>                                                                                                                                                                                                                            |               |                       |                |                                                                                                                                                                                                                                        |               |                       |               |                   |
| <b>Compact control desks with fixed rear panel</b>                                  | <b>100 mm</b>                                                                                                                                                                                                                                        | <b>200 mm</b> | <b>100 mm</b>         | <b>200 mm</b>  | <b>100 mm</b>                                                                                                                                                                                                                          | <b>200 mm</b> | <b>100 mm</b>         | <b>200 mm</b> |                   |
|  | NSYS D6                                                                                                                                                                                                                                              | NSYS PF6100   | NSYS PF6200           | NSYS PFX6100H  | NSYS PFX6200H                                                                                                                                                                                                                          | NSYS PS4100SD | NSYS PS4200SD         | NSYS PSX5100H | 2 x NSYS PSX5100H |
|                                                                                     | NSYS D8                                                                                                                                                                                                                                              | NSYS PF8100   | NSYS PF8200           | NSYS PFX8100H  | NSYS PFX8200H                                                                                                                                                                                                                          | NSYS PS4100SD | NSYS PS4200SD         | NSYS PSX5100H | 2 x NSYS PSX5100H |
|                                                                                     | NSYS D10                                                                                                                                                                                                                                             | NSYS PF10100  | NSYS PF10200          | NSYS PFX10100H | NSYS PFX10200H                                                                                                                                                                                                                         | NSYS PS4100SD | NSYS PS4200SD         | NSYS PSX5100H | 2 x NSYS PSX5100H |
|                                                                                     | NSYS D12                                                                                                                                                                                                                                             | NSYS PF12100  | NSYS PF12200          | NSYS PFX12100H | NSYS PFX12200H                                                                                                                                                                                                                         | NSYS PS4100SD | NSYS PS4200SD         | NSYS PSX5100H | 2 x NSYS PSX5100H |
| <b>Compact control desks with removable rear panel Sheet steel</b>                  |                                                                                                                                                                                                                                                      |               |                       |                |                                                                                                                                                                                                                                        |               |                       |               |                   |
|  | NSYS D6R                                                                                                                                                                                                                                             | NSYS PF6100   | NSYS PF6200           | NSYS PFX6100H  | NSYS PFX6200H                                                                                                                                                                                                                          | NSYS PS5100SD | NSYS PS5200SD         | NSYS PSX5100H | 2 x NSYS PSX5100H |
|                                                                                     | NSYS D8R                                                                                                                                                                                                                                             | NSYS PF8100   | NSYS PF8200           | NSYS PFX8100H  | NSYS PFX8200H                                                                                                                                                                                                                          | NSYS PS5100SD | NSYS PS5200SD         | NSYS PSX5100H | 2 x NSYS PSX5100H |
|                                                                                     | NSYS D10R                                                                                                                                                                                                                                            | NSYS PF10100  | NSYS PF10200          | NSYS PFX10100H | NSYS PFX10200H                                                                                                                                                                                                                         | NSYS PS5100SD | NSYS PS5200SD         | NSYS PSX5100H | 2 x NSYS PSX5100H |
|                                                                                     | NSYS D12R                                                                                                                                                                                                                                            | NSYS PF12100  | NSYS PF12200          | NSYS PFX12100H | NSYS PFX12200H                                                                                                                                                                                                                         | NSYS PS5100SD | NSYS PS5200SD         | NSYS PSX5100H | 2 x NSYS PSX5100H |
| <b>Compact control desks with removable rear panel Stainless-steel</b>              |                                                                                                                                                                                                                                                      |               |                       |                |                                                                                                                                                                                                                                        |               |                       |               |                   |
|  | NSYS DX6                                                                                                                                                                                                                                             | -             | -                     | NSYS PFX6100H  | NSYS PFX6200H                                                                                                                                                                                                                          | -             | -                     | NSYS PSX5100H | 2 x NSYS PSX5100H |
|                                                                                     | NSYS DX8                                                                                                                                                                                                                                             | -             | -                     | NSYS PFX8100H  | NSYS PFX8200H                                                                                                                                                                                                                          | -             | -                     | NSYS PSX5100H | 2 x NSYS PSX5100H |
|                                                                                     | NSYS DX10                                                                                                                                                                                                                                            | -             | -                     | NSYS PFX10100H | NSYS PFX10200H                                                                                                                                                                                                                         | -             | -                     | NSYS PSX5100H | 2 x NSYS PSX5100H |
|                                                                                     | NSYS DX12                                                                                                                                                                                                                                            | -             | -                     | NSYS PFX12100H | NSYS PFX12200H                                                                                                                                                                                                                         | -             | -                     | NSYS PSX5100H | 2 x NSYS PSX5100H |
| <b>Control desk with console</b>                                                    |                                                                                                                                                                                                                                                      |               |                       |                |                                                                                                                                                                                                                                        |               |                       |               |                   |
|  | NSYS DF88                                                                                                                                                                                                                                            | NSYS PF8100   | NSYS PF8200           | -              | -                                                                                                                                                                                                                                      | NSYS PS4100SD | NSYS PS4200SD         | -             | -                 |
|                                                                                     | NSYS DF108                                                                                                                                                                                                                                           | NSYS PF10100  | NSYS PF10200          | -              | -                                                                                                                                                                                                                                      | NSYS PS4100SD | NSYS PS4200SD         | -             | -                 |
|                                                                                     | NSYS DF128                                                                                                                                                                                                                                           | NSYS PF12100  | NSYS PF12200          | -              | -                                                                                                                                                                                                                                      | NSYS PS4100SD | NSYS PS4200SD         | -             | -                 |
|                                                                                     | NSYS DF168                                                                                                                                                                                                                                           | NSYS PF16100  | NSYS PF16200          | -              | -                                                                                                                                                                                                                                      | NSYS PS4100SD | NSYS PS4200SD         | -             | -                 |
|                                                                                     | NSYS DF810                                                                                                                                                                                                                                           | NSYS PF8100   | NSYS PF8200           | -              | -                                                                                                                                                                                                                                      | NSYS PS6100SD | NSYS PS6200SD         | -             | -                 |
|                                                                                     | NSYS DF1010                                                                                                                                                                                                                                          | NSYS PF10100  | NSYS PF10200          | -              | -                                                                                                                                                                                                                                      | NSYS PS6100SD | NSYS PS6200SD         | -             | -                 |
|                                                                                     | NSYS DF1210                                                                                                                                                                                                                                          | NSYS PF12100  | NSYS PF12200          | -              | -                                                                                                                                                                                                                                      | NSYS PS6100SD | NSYS PS6200SD         | -             | -                 |
|                                                                                     | NSYS DF1610                                                                                                                                                                                                                                          | NSYS PF16100  | NSYS PF16200          | -              | -                                                                                                                                                                                                                                      | NSYS PS6100SD | NSYS PS6200SD         | -             | -                 |

\* 304L stainless-steel available (remove H suffix from references).

## Door



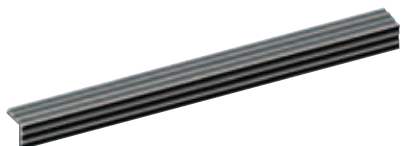
PB501213-42

### Pneumatic opening stay

- Holds the desk lid in open position at an angle of 75°.
- **Supply:** delivered with fixings.

| Nominal load per stay (N) | Max. load on lid (kg) | Control desk references |                           |                 |              | Standard supply stay |
|---------------------------|-----------------------|-------------------------|---------------------------|-----------------|--------------|----------------------|
|                           |                       | With fixed rear panel   | With removable rear panel |                 | With console |                      |
|                           |                       |                         | Sheet steel               | Stainless-steel |              |                      |
| 244                       | 13                    | NSYSD6                  | NSYSD6R                   | NSYSDX6         | NSYSDF88     | NSYPLS24             |
|                           |                       | NSYSD8                  | NSYSD8R                   | NSYSDX8         | NSYSDF810    | NSYPLS24             |
| 300                       | 11                    | -                       | -                         | -               | NSYSDF168    | NSYPLS30             |
|                           |                       | -                       | -                         | -               | NSYSDF1610   | NSYPLS30             |
|                           | 15                    | NSYSD12                 | NSYSD12R                  | NSYSDX12        | NSYSDF128    | NSYPLS30             |
|                           |                       | -                       | -                         | -               | NSYSDF1210   | NSYPLS30             |
|                           | 17                    | NSYSD10                 | NSYSD10R                  | NSYSDX10        | NSYSDF108    | NSYPLS30             |
|                           |                       | -                       | -                         | -               | NSYSDF1010   | NSYPLS30             |

PB501214



### Document lip

- Retaining bar to be fixed on the front of the inclined control desk lid. Prevents documents and equipment from falling.
- **Material:** PVC, RAL 7011 grey.
- **Fixing:** fixing by adhesive.

| Control desk width (mm) | References |
|-------------------------|------------|
| 600                     | NSYDL6     |
| 800                     | NSYDL8     |
| 1000                    | NSYDL10    |
| 1200                    | NSYDL12    |
| 1600                    | NSYDL16    |

## Locking system



The Control desks are supplied with 3 mm double-bar escutcheon locks as standard.



| Characteristics              | Shape inserts                                                                                                                                                                                         | Escutcheon with key lock                             |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
|                              | Possibility to replace the standard shape insert: <ul style="list-style-type: none"> <li>■ 8-mm triangular insert,</li> <li>■ 8-mm male square insert,</li> <li>■ 7-mm male square insert.</li> </ul> | Insert breakage torque: 15 daN.                      |
| Material                     | -                                                                                                                                                                                                     | Polyamide PA 6 material charged with 30 % fibreglass |
| Colour                       | -                                                                                                                                                                                                     | RAL 7011 grey                                        |
| Mechanical protection rating | -                                                                                                                                                                                                     | IK10                                                 |
| Fire resistance              | -                                                                                                                                                                                                     | 650°C                                                |
| <b>References</b>            |                                                                                                                                                                                                       |                                                      |
| 8-mm triangular insert       | <b>NSYTT8CRN</b>                                                                                                                                                                                      | -                                                    |
| 8-mm male square insert      | <b>NSYTC8CRN</b>                                                                                                                                                                                      | -                                                    |
| 7-mm male square insert      | <b>NSYTC7CRN</b>                                                                                                                                                                                      | -                                                    |
| 405E key                     | -                                                                                                                                                                                                     | <b>NSYML405SD</b>                                    |
| Without insert               | -                                                                                                                                                                                                     | -                                                    |

## Locking system



PB501217-38

### Pivoting handle

To be installed on the rear door of Control desk with console, replacing the flat escutcheon supplied as standard.  
Ergonomic locking system with pivoting handle (delivered without insert).  
Broad range of inserts for covering the greatest variety of needs (shape inserts, DIN cylinders, KABA, ASSA).  
Changing the opening direction to right / left thanks to the symmetric design of the lock unit (no linkages to be removed).  
Lock unit supported by 2 screws.  
PA 6 charged with 30 % fibreglass  
RAL 7011 grey  
IK10  
650°C

### NSYSDH

### Accessories

| Shape inserts                  | References        |
|--------------------------------|-------------------|
| 6-mm square insert             | <b>NSYINS61</b>   |
| 6-mm female square insert      | <b>NSYINS6G1</b>  |
| 7-mm square insert             | <b>NSYINS71</b>   |
| 8-mm square insert             | <b>NSYINS81</b>   |
| 8-mm female square insert      | <b>NSYINS8G1</b>  |
| 8-mm square insert with slot   | <b>NSYINS8H1</b>  |
| 6.5-mm triangular insert       | <b>NSYINT61</b>   |
| 7-mm triangular insert         | <b>NSYINT71</b>   |
| 8-mm triangular insert         | <b>NSYINT81</b>   |
| 9-mm triangular insert         | <b>NSYINT91</b>   |
| 10-mm triangular insert        | <b>NSYINT101</b>  |
| 10-mm keyless hexagonal insert | <b>NSYINH31</b>   |
| 3-mm double-bar insert         | <b>NSYINDB31</b>  |
| 5-mm double-bar insert         | <b>NSYINDB51</b>  |
| Daimler Benz insert            | <b>NSYINBENZ1</b> |
| Fiat insert                    | <b>NSYINFIAT1</b> |
| USA keyless slot insert        | <b>NSYINUSA1</b>  |
| 2 x 4 keyless slot insert      | <b>NSYIN241</b>   |
| Crown insert                   | <b>NSYINCW1</b>   |
| <b>Push button</b>             | <b>Reference</b>  |
| Push button                    | <b>NSYINPULSD</b> |

PB500614-19

Shape inserts

PB501218

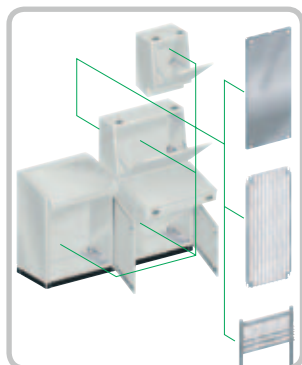
Push button

PB500616-18

Cylindrical barrels

| Cylindrical barrels        | References                                                                 |
|----------------------------|----------------------------------------------------------------------------|
| Lock with 405E key         | <b>NSYIN405E1</b>                                                          |
| Lock with 421E key         | <b>NSYIN421E1</b>                                                          |
| Lock with 455 key          | <b>NSYIN4551</b>                                                           |
| Lock with 1242E key        | <b>NSYIN1242E1</b>                                                         |
| Lock with 1332E key        | <b>NSYIN1332E1</b>                                                         |
| Lock with 2124E key        | <b>NSYIN2124E1</b>                                                         |
| Lock with 2131A key        | <b>NSYIN2131A1</b>                                                         |
| Lock with 2132A key        | <b>NSYIN2132A1</b>                                                         |
| Lock with 2331A key        | <b>NSYIN2331A1</b>                                                         |
| Lock with 2433A key        | <b>NSYIN2433A1</b>                                                         |
| Lock with 2452E key        | <b>NSYIN2452E1</b>                                                         |
| Lock with 3113A key        | <b>NSYIN3113A1</b>                                                         |
| Lock with 3122E key        | <b>NSYIN3122E1</b>                                                         |
| Lock with 3123A key        | <b>NSYIN3123A1</b>                                                         |
| Lock with 3131A1 key       | <b>NSYIN3131A1</b> <span style="color: red; font-weight: bold;">New</span> |
| Lock with 3133A key        | <b>NSYIN3133A1</b>                                                         |
| Lock with 3422E key        | <b>NSYIN3422E1</b>                                                         |
| Lock with 3432E key        | <b>NSYIN3432E1</b>                                                         |
| Lock with 6101 key         | <b>NSYIN6101</b> <span style="color: red; font-weight: bold;">New</span>   |
| Lock with EDF1300 key      | <b>NSYINF1301</b>                                                          |
| Lock with EDF1400 key      | <b>NSYINF1401</b>                                                          |
| Michelin 8079 keyless lock | <b>NSYINICHEL8791</b>                                                      |
| Michelin 8133 keyless lock | <b>NSYINICHEL8131</b>                                                      |
| Michelin 8376 keyless lock | <b>NSYINICHEL8371</b>                                                      |
| E1 keyless lock            | <b>NSYINE11</b>                                                            |

PB501219-37



## Mounting accessories

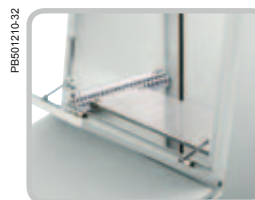
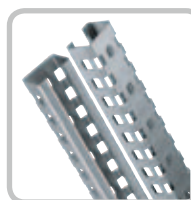
|                   | Compact control desks      |             |                            |             | Control desk with console  |             |                            |             |                            |             |                            |             |
|-------------------|----------------------------|-------------|----------------------------|-------------|----------------------------|-------------|----------------------------|-------------|----------------------------|-------------|----------------------------|-------------|
| Installation type |                            |             |                            |             |                            |             |                            |             |                            |             |                            |             |
| Control desk      | Mounting plates (1)        |             |                            |             |                            |             |                            |             |                            |             |                            |             |
| Width (B) (mm)    | Plain                      |             | Telequick                  |             | Plain                      |             | Telequick                  |             | Plain                      |             | Telequick                  |             |
|                   | Surface (dm <sup>2</sup> ) | References  | Surface (dm <sup>2</sup> ) | References  | Surface (dm <sup>2</sup> ) | References  | Surface (dm <sup>2</sup> ) | References  | Surface (dm <sup>2</sup> ) | References  | Surface (dm <sup>2</sup> ) | References  |
| 600               | 35                         | NSYPMP8560  | 34                         | NSYTMP6760  | -                          | -           | -                          | -           | -                          | -           | -                          | -           |
| 800               | 49                         | NSYPMP8580  | 48                         | NSYTMP6780  | 31                         | NSYPMP4580  | 30                         | NSYTMP4280  | 49                         | NSYPMP8580  | 48                         | NSYTMP6780  |
| 1000              | 63                         | NSYPMP85100 | 61                         | NSYTMP67100 | 40                         | NSYPMP45100 | 39                         | NSYTMP42100 | 63                         | NSYPMP85100 | 61                         | NSYTMP67100 |
| 1200              | 77                         | NSYPMP85120 | 75                         | NSYTMP67120 | 77                         | NSYPMP45120 | 39                         | NSYTMP42120 | 77                         | NSYPMP85120 | 75                         | NSYTMP67120 |
| 1600              | -                          | -           | -                          | -           | 67                         | NSYPMP45160 | -                          | -           | 105                        | NSYPMP85160 | -                          | -           |

|                   | Control desk with console  |            |                            |                  |                            |              |                            |            |
|-------------------|----------------------------|------------|----------------------------|------------------|----------------------------|--------------|----------------------------|------------|
| Installation type |                            |            |                            |                  |                            |              |                            |            |
| Control desk      | Mounting plates            |            |                            |                  |                            |              |                            |            |
| Width (B) (mm)    | Plain (1)                  |            | Telequick (2)              |                  | Plain                      |              | Telequick                  |            |
|                   | Surface (dm <sup>2</sup> ) | References | Surface (dm <sup>2</sup> ) | References       | Surface (dm <sup>2</sup> ) | References   | Surface (dm <sup>2</sup> ) | References |
| 600               | -                          | -          | -                          | -                | -                          | -            | -                          | -          |
| 800               | 90                         | NSYMP148   | 84                         | 2 x NSYSTMP6080  | 28                         | NSYSPMP4080  | -                          | -          |
| 1000              | 116                        | NSYMP1410  | 108                        | 2 x NSYSTMP60100 | 36                         | NSYSPMP40100 | -                          | -          |
| 1200              | 142                        | NSYMP1412  | 132                        | 2 x NSYSTMP60120 | 44                         | NSYSPMP40120 | -                          | -          |
| 1600              | -                          | -          | -                          | -                | 60                         | NSYSPMP40160 | -                          | -          |

(1) For this installation, order a set of 4 adjustment rails and fixing brackets (see page 431).

(2) For this installation, order a set of 2 uprights ref. NSYTVR14 and set of 4 adjustment rails and 4 fixing brackets.

## Mounting accessories



| Characteristics                              |                                | Fixing brackets                                                                                                                                                                                                                          | Adjustment rails and fixing brackets                                                                                                                                                                                                                                           | Technical uprights                                                                   | PC screen support                                                                                                                                                                   |
|----------------------------------------------|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                              |                                | Set of 4 fixing brackets. Depth adjustment on 25 mm pitch. Included as standard with desk (all versions). To be ordered separately when required for installation of two back to back mounting plates in control desks with rear access. | Set of 4 rails and 4 fixing brackets. To install a plain mounting plate or a Telequick mounting plate, either at the top or across the height of the monobloc control desk with console. For positioning 2 plates (back to back), order fixing brackets ref. <b>NSYMPBSD</b> . | Set of 2 equipment uprights. Support for fixing Telequick mounting plates and rails. | For a control desk with monobloc console with a depth of 600 mm. This support is a galvanised mounting plate, in horizontal position, fixed to the adjustment rails of the console. |
| Material                                     |                                | Galvanised steel                                                                                                                                                                                                                         | -                                                                                                                                                                                                                                                                              | Zinc-coated                                                                          | -                                                                                                                                                                                   |
| Thickness                                    |                                | 40/10° mm                                                                                                                                                                                                                                | -                                                                                                                                                                                                                                                                              | 20/10° mm                                                                            | -                                                                                                                                                                                   |
| Maximum load                                 |                                | 250 kg                                                                                                                                                                                                                                   | -                                                                                                                                                                                                                                                                              | -                                                                                    | 50 kg/m <sup>2</sup>                                                                                                                                                                |
| Supply                                       |                                | -                                                                                                                                                                                                                                        | -                                                                                                                                                                                                                                                                              | -                                                                                    | Delivered with fixings                                                                                                                                                              |
| References                                   |                                |                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                |                                                                                      |                                                                                                                                                                                     |
| For desk width (mm)                          |                                |                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                |                                                                                      |                                                                                                                                                                                     |
| 600                                          |                                | <b>NSYMPBSD</b>                                                                                                                                                                                                                          | -                                                                                                                                                                                                                                                                              | -                                                                                    | -                                                                                                                                                                                   |
| 800                                          |                                | <b>NSYMPBSD</b>                                                                                                                                                                                                                          | -                                                                                                                                                                                                                                                                              | -                                                                                    | <b>NSYPCS8</b>                                                                                                                                                                      |
| 1000                                         |                                | <b>NSYMPBSD</b>                                                                                                                                                                                                                          | -                                                                                                                                                                                                                                                                              | -                                                                                    | <b>NSYPCS10</b>                                                                                                                                                                     |
| 1200                                         |                                | <b>NSYMPBSD</b>                                                                                                                                                                                                                          | -                                                                                                                                                                                                                                                                              | -                                                                                    | <b>NSYPCS12</b>                                                                                                                                                                     |
| 1600                                         |                                | <b>NSYMPBSD</b>                                                                                                                                                                                                                          | -                                                                                                                                                                                                                                                                              | -                                                                                    | <b>NSYPCS16</b>                                                                                                                                                                     |
| For control desks with console<br>Depth (mm) |                                |                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                |                                                                                      |                                                                                                                                                                                     |
| 400                                          |                                | -                                                                                                                                                                                                                                        | <b>NSYMPB4SD</b>                                                                                                                                                                                                                                                               | -                                                                                    | -                                                                                                                                                                                   |
| 600                                          |                                | -                                                                                                                                                                                                                                        | <b>NSYMPB6SD</b>                                                                                                                                                                                                                                                               | -                                                                                    | -                                                                                                                                                                                   |
| For control desk height (mm)                 | Centre-to-centre distance (mm) |                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                |                                                                                      |                                                                                                                                                                                     |
| 1000                                         | 650                            | -                                                                                                                                                                                                                                        | -                                                                                                                                                                                                                                                                              | <b>NSYTVR8</b>                                                                       | -                                                                                                                                                                                   |
| 1400                                         | 1250                           | -                                                                                                                                                                                                                                        | -                                                                                                                                                                                                                                                                              | <b>NSYTVR14</b>                                                                      | -                                                                                                                                                                                   |

➤ The **Spacial SF PC rack** is designed to protect and control computer equipment in an industrial environments.

PB500901-54



### Steel PC racks

PB500684-28



#### Convenience

- Anti-glare glazed door designed for viewing until 25,5" screens.
- Cable entry made easier by a cable-land plate in 2 pieces.

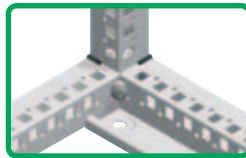
PB500685-28



#### Ergonomics

- Access to the various functions and working heights, guaranteeing optimum comfort.
- Partial doors delimit the access to each function with a 3 mm double-bar lock.
- Built-in screen and CPU support.
- Built-in keyboard and mouse support.

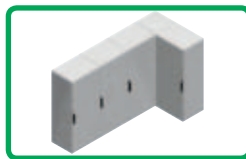
PB500490-35



#### Robust

- Spacial SF structure formed from a single 1.5 mm galvanised-steel section, with a high moment of inertia.
- Vertical uprights joined with top and bottom frames, screwed together with connections of sintered steel.
- Panels built into the structure.

PB500495-21



#### Simple

The Spacial SF design allows enclosures to be coupled in any direction, adapting to all installation surfaces.

PB500667-35



#### Locking system

Locking system with flat escutcheon, made from polyamide 6 with 30 % fibreglass, RAL 9005 black, with 5 mm double-bar insert for the plain rear door, and small flat escutcheon with 3 mm double-bar insert for the partial front doors.

Detail of 5 mm DB lock on rear door.

This range can be configured according to your needs

4 different services available:



Assemble to order



Mounting of standard accessories



Painting



Machining

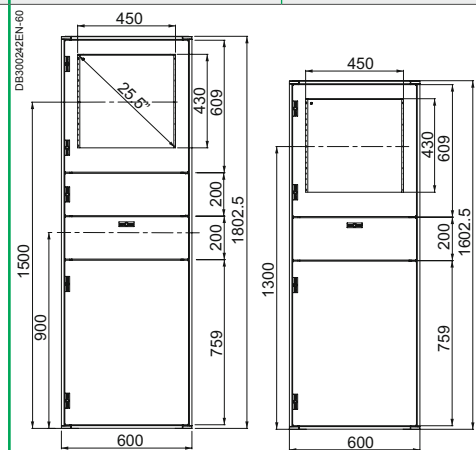
See page 450 for details or consult our web site [www.schneider-electric.com](http://www.schneider-electric.com)



# Human-Machine Interface Characteristics



| Characteristics              |            | Spacial SF PC rack                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |              |
|------------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------|
|                              |            | <ul style="list-style-type: none"> <li>■ Partial door for PC screen, with Securit® anti-glare glass.</li> <li>■ Plain partial door for CPU (enclosures with height of 1800 mm).</li> <li>■ Hinged plain door for keyboard.</li> <li>■ Plain partial door for optional installation of A4 printer support.</li> <li>■ Partial front doors opening to the right.</li> <li>■ Plain rear door, reversible opening direction (right or left).</li> <li>■ Roof and side panels fixed from the inside.</li> <li>■ Cable-gland plate with 1 entry.</li> </ul> |                     |              |
| Finish                       |            | Structured finish, epoxy-polyester powder paint                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     |              |
| Colour                       |            | RAL 7035 grey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |              |
| Ingress protection rating    |            | IP55, or IP40 with hinged keyboard                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |              |
| Mechanical protection rating |            | IK10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                     |              |
| Certifications               |            | UL*, CUL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                     |              |
| Height (mm)                  | Width (mm) | Depth (mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | No. of compartments | References   |
| 1600                         | 600        | 600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3                   | NSYSF16660PC |
|                              |            | 800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3                   | NSYSF16680PC |
| 1800                         | 600        | 600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4                   | NSYSF18660PC |
|                              |            | 800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4                   | NSYSF18680PC |

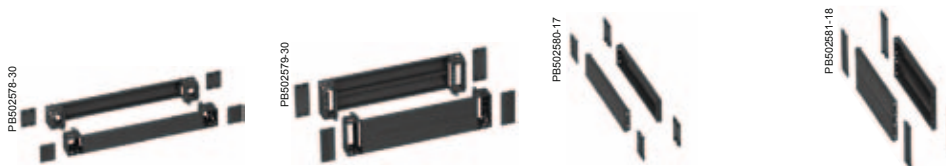


PC rack with a height of 1800 mm.

PC rack with a height of 1600 mm.

\*1, 12, 12 K.

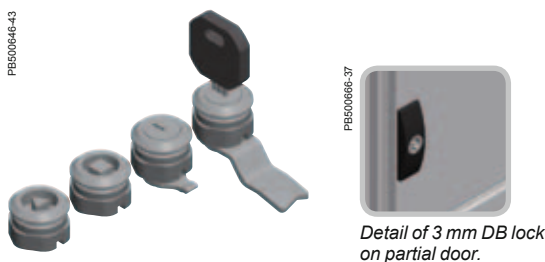
## Plinth



| Characteristics              | Front plinth                                                                                                                                                                                                                                         | Plinth side panels                                                                                                                                                                                                                     |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              | The front and rear of the plinth consists of 4 corners with 2 or 4 panels.                                                                                                                                                                           | They are fixed to the corner of the plinth by 2 fixing screws.                                                                                                                                                                         |
| Material                     | Folded sheet steel, corner with a thickness of 25/10° mm                                                                                                                                                                                             | Folded sheet steel                                                                                                                                                                                                                     |
| Finish                       | Painted with epoxy-polyester resin                                                                                                                                                                                                                   | Painted with epoxy-polyester resin                                                                                                                                                                                                     |
| Colour                       | RAL 7022 grey                                                                                                                                                                                                                                        | RAL 7022 grey                                                                                                                                                                                                                          |
| Ingress protection rating    | IP30                                                                                                                                                                                                                                                 | IP30                                                                                                                                                                                                                                   |
| Mechanical protection rating | IK10                                                                                                                                                                                                                                                 | IK10                                                                                                                                                                                                                                   |
| Installation                 | -                                                                                                                                                                                                                                                    | -                                                                                                                                                                                                                                      |
| Supply                       | <ul style="list-style-type: none"> <li>■ Height 100 mm: 4 corners, 2 panels (front and rear), 4 corner covers and fixing elements</li> <li>■ Height 200 mm: 4 corners, 4 panels (2 front and 2 rear), 4 corner covers and fixing elements</li> </ul> | <ul style="list-style-type: none"> <li>■ Height 100 mm: 2 side panels, 4 corner covers and fixing elements</li> <li>■ Height 200 mm: 4 side panels (height of 100 mm, 2 for each side), 4 corner covers and fixing elements</li> </ul> |

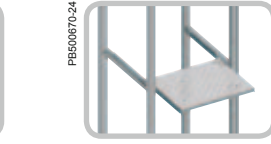
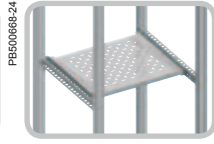
| References |            |        |     |            |            |
|------------|------------|--------|-----|------------|------------|
| Width (mm) | Depth (mm) | 100 mm |     | 200 mm     |            |
|            |            | 600    | 600 | NSYSPF6100 | NSYSPF6200 |
|            | 800        |        |     | NSYSPS8100 | NSYSPS8200 |

## Locking system



| Characteristics | Locks for partial doors                                                                                                                                                                                                                                                                                                                                                                     |                                                     |                                 |                                         |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|---------------------------------|-----------------------------------------|
|                 | Locks to replace the 3 mm double-bar lock supplied with the partial doors.<br>Models: <ul style="list-style-type: none"> <li>■ Transformation of lock with shape inserts, triangular 6.5 mm and square 6 mm.</li> <li>■ Lock with 2233X key for partial doors.</li> <li>■ Lock with 2233X key, exclusive for hinged keyboard door.</li> </ul>                                               |                                                     |                                 |                                         |
| Supply          | <ul style="list-style-type: none"> <li>■ Lock with shape inserts, triangular 6.5 mm and square 6 mm: metal body, shape insert and safety washer.</li> <li>■ Lock with 2233X key for partial doors: metal body, insert, bolt, safety washer and key.</li> <li>■ Lock with 2233X key, exclusive for hinged keyboard door: metal body, insert, special bolt, safety washer and key.</li> </ul> |                                                     |                                 |                                         |
| References      | With 6.5 mm triangular insert for partial and hinged door                                                                                                                                                                                                                                                                                                                                   | With 6 mm square insert for partial and hinged door | With 2233X key for partial door | With 2233X key for hinged keyboard door |
|                 | NSYMLT6                                                                                                                                                                                                                                                                                                                                                                                     | NSYMLS6                                             | NSYML23                         | NSYMLCD23                               |

## Trays



| Fixed Trays                                                                                                                                                                                                                                                                                                                                   |                |                                    |                                | Telescopic Trays |                  |            |                  |                                    |                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------|--------------------------------|------------------|------------------|------------|------------------|------------------------------------|--------------------------------|
| <ul style="list-style-type: none"> <li>Optional installation of a supplement fixed or telescopic tray directly on structure or on cross rails.</li> <li>Acceptable load: 150 kg for fixed trays and 50 kg for telescopic rails, both evenly distributed.</li> <li>See more details and other options on Mounting: trays, page 237.</li> </ul> |                |                                    |                                |                  |                  |            |                  |                                    |                                |
| -                                                                                                                                                                                                                                                                                                                                             | -              | -                                  | -                              | -                | -                | -          | -                |                                    |                                |
| -                                                                                                                                                                                                                                                                                                                                             | -              | -                                  | -                              | -                | -                | -          | -                |                                    |                                |
| -                                                                                                                                                                                                                                                                                                                                             | -              | -                                  | -                              | -                | -                | -          | -                |                                    |                                |
| -                                                                                                                                                                                                                                                                                                                                             | -              | -                                  | -                              | -                | -                | -          | -                |                                    |                                |
| On structure                                                                                                                                                                                                                                                                                                                                  | On cross rails |                                    |                                | On structure     | On cross rails   |            |                  |                                    |                                |
| -                                                                                                                                                                                                                                                                                                                                             | -              |                                    |                                | -                | -                |            |                  |                                    |                                |
| Tray                                                                                                                                                                                                                                                                                                                                          | Tray           | Universal cross rail 40 mm (1 row) | Quick cross rail 40 mm (1 row) | Tray             | Telescopic rails | Tray       | Telescopic rails | Universal cross rail 40 mm (1 row) | Quick cross rail 40 mm (1 row) |
| NSYFXT6060                                                                                                                                                                                                                                                                                                                                    | NSYFXT6060     | NSYSUCR4060                        | NSYSQCR4060                    | NSYFXT6060       | NSYTTG60         | NSYFXT6060 | NSYTTG60         | NSYSUCR4060                        | NSYSQCR4060                    |
| -                                                                                                                                                                                                                                                                                                                                             | NSYFXT6060     | NSYSUCR4080                        | NSYSQCR4080                    | -                | -                | NSYFXT6060 | NSYTTG60         | NSYSUCR4080                        | NSYSQCR4080                    |

## Other accessories



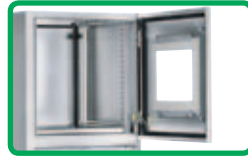
| Characteristics | Handle for telescopic trays                               |
|-----------------|-----------------------------------------------------------|
|                 | Handle designed for easy extraction of the sliding trays. |
| Material        | Polyamide 6 (black)                                       |
| Supply          | 2 units and fixing elements                               |
| Reference       | NSY1TH                                                    |

> The **stainless-steel monobloc PC racks** have been especially designed to protect computer equipment installed in corrosive or specially environments that require washing or exposure to sprays of liquid.



### Stainless-steel monobloc PC racks

PB501223-69



#### Convenience

- Anti-glare glazed door designed for viewing 14" and 17" screens by removing part of the silkscreen printing.
- Cable entry made easier by a cable-gland plate (at the rear) in 2 pieces.

PB501223-108



#### Sealing

- IP55, even with the keyboard drawer open, thanks to the pivoting Plexiglas shutter.

PB501223



#### Optional accessories

- Shelf mounted on telescopic rails.

PB501266-32



#### Ergonomic

- Partial doors delimit the access to each function with a 3-mm double-bar lock.
- Access to the various functions and working heights, guaranteeing optimum comfort.
- Built-in screen and CPU support.
- Built-in mouse support.

PB501223-107



#### Hygiene

- The high quality of the standard finish enables very easy maintenance while avoiding contamination.
  - The hygienic feet made from 316L stainless-steel, adjustable between 140 mm and 200 mm height, make it easier to clean under the enclosures, ref. **NSYPHX200**.
- More information on page 139 and 294.

PB501233-32



#### Resistance to corrosion

- High resistance to corrosion. 304L and 316L stainless-steels provide the best solutions for applications in extremely demanding environments.

This range can be configured according to your needs

4 different services available:



Assemble to order



Mounting of standard accessories



Painting



Machining

See page 450 for details or consult our web site [www.schneider-electric.com](http://www.schneider-electric.com)



| Characteristics                                                                                                                                                                                                                                                                                          |          |          | 304L stainless-steel PC racks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Front plinth                                                                                                                                                                                                                                         | Plinth side panels                                                                                                                                                                                                                     |                     |                         |     |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------------|-----|--|--|--|--|
|                                                                                                                                                                                                                                                                                                          |          |          | <p><b>Composition</b></p> <ul style="list-style-type: none"> <li>■ Top and bottom partial doors on the front side.</li> <li>■ Pivoting panel for the keyboard.</li> <li>■ Plain rear door.</li> </ul> <p><b>Monitor-screen compartment</b></p> <ul style="list-style-type: none"> <li>■ The anti-glare glazed door is designed for viewing screens:                             <ul style="list-style-type: none"> <li>□ 14" as standard,</li> <li>□ 17" by removing a part of the silkscreen printing.</li> </ul> </li> <li>■ The height of the monitor support can be adjusted.</li> <li>■ The monitor shelf can withstand a maximum weight of 50 kg.</li> </ul> <p><b>CPU / keyboard compartment</b></p> <ul style="list-style-type: none"> <li>■ The keyboard fixed to the inside becomes operational by tilting the central panel.</li> <li>■ The CPU is placed on a height-adjustable shelf, visible and accessible through a pivoting, transparent shutter.</li> </ul> <p><b>Optional accessories</b></p> <ul style="list-style-type: none"> <li>■ Hygienic feet H 200 mm: <b>NSYPHX200</b>.</li> <li>■ Shelf installed on a sliding rail, with adjustable height.</li> <li>■ Telescopic tray: <b>NSYTTG60</b>.</li> </ul> | <p>The front and rear of the plinth consists of 4 corners with 2 or 4 panels.</p>                                                                                                                                                                    | <p>They are fixed to the corner of the plinth by 2 fixing screws.</p>                                                                                                                                                                  |                     |                         |     |  |  |  |  |
| Material                                                                                                                                                                                                                                                                                                 |          |          | Monobloc structure in 304L stainless-steel sheet, micro-beaded finish.<br>Can be made in 316L stainless-steel on request                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 316L stainless-steel                                                                                                                                                                                                                                 | 316L stainless-steel                                                                                                                                                                                                                   |                     |                         |     |  |  |  |  |
| Ingress protection rating                                                                                                                                                                                                                                                                                |          |          | IP55, even with the keyboard drawer open                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | IP30                                                                                                                                                                                                                                                 | IP30                                                                                                                                                                                                                                   |                     |                         |     |  |  |  |  |
| Mechanical protection rating                                                                                                                                                                                                                                                                             |          |          | IK10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IK10                                                                                                                                                                                                                                                 | IK10                                                                                                                                                                                                                                   |                     |                         |     |  |  |  |  |
| Supply                                                                                                                                                                                                                                                                                                   |          |          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <ul style="list-style-type: none"> <li>■ Height 100 mm: 4 corners, 2 panels (front and rear), 4 corner covers and fixing elements</li> <li>■ Height 200 mm: 4 corners, 4 panels (2 front and 2 rear), 4 corner covers and fixing elements</li> </ul> | <ul style="list-style-type: none"> <li>■ Height 100 mm: 2 side panels, 4 corner covers and fixing elements</li> <li>■ Height 200 mm: 4 side panels (height of 100 mm, 2 for each side), 4 corner covers and fixing elements</li> </ul> |                     |                         |     |  |  |  |  |
| Height                                                                                                                                                                                                                                                                                                   | Width    | Depth    | References                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 100 mm                                                                                                                                                                                                                                               | 200 mm                                                                                                                                                                                                                                 | 100 mm              | 200 mm                  |     |  |  |  |  |
| (mm) (A)                                                                                                                                                                                                                                                                                                 | (mm) (B) | (mm) (C) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                        |                     |                         |     |  |  |  |  |
| 1600                                                                                                                                                                                                                                                                                                     | 600      | 600      | <b>NSYSMX16660PC</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYSPFX6100H</b>                                                                                                                                                                                                                                  | <b>NSYSPFX6200H</b>                                                                                                                                                                                                                    | <b>NSYSPSX6100H</b> | <b>2 x NSYSPSX6100H</b> |     |  |  |  |  |
| 1800                                                                                                                                                                                                                                                                                                     | 600      | 600      | <b>NSYSMX18660PC</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>NSYSPFX6100H</b>                                                                                                                                                                                                                                  | <b>NSYSPFX6200H</b>                                                                                                                                                                                                                    | <b>NSYSPSX6100H</b> | <b>2 x NSYSPSX6100H</b> |     |  |  |  |  |
| <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>A</th> <th>D</th> </tr> </thead> <tbody> <tr> <td>1600</td> <td>690</td> </tr> <tr> <td>1800</td> <td>890</td> </tr> </tbody> </table> <p>(1) Screwed shelf, adjustable height.<br/>(2) Sealed case for keyboard.</p> |          |          | A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | D                                                                                                                                                                                                                                                    | 1600                                                                                                                                                                                                                                   | 690                 | 1800                    | 890 |  |  |  |  |
| A                                                                                                                                                                                                                                                                                                        | D        |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                        |                     |                         |     |  |  |  |  |
| 1600                                                                                                                                                                                                                                                                                                     | 690      |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                        |                     |                         |     |  |  |  |  |
| 1800                                                                                                                                                                                                                                                                                                     | 890      |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                        |                     |                         |     |  |  |  |  |

# Variable speed drive flush-mounting kits

## Introduction

**New**

> The variable speed drive flush-mounting kits have been designed to isolate the power part, which is an important source of heat. They are mounted in the Spacial range of steel enclosures (floor-standing and wall-mounting enclosures) and have been approved for Altivar Process variable speed drives in the ATV630 and ATV930 ranges (power range: 0.75 to 45 kW at 200/240 V, 0.75 to 90 kW at 380/480 V).

> The kits are available in five sizes and offer two methods of mounting variable speed drives:

- slide-rail mounting for sizes 1, 2 and 3
- bracket mounting for sizes 4 and 5.

> The kits can be installed:

- at the back of the enclosure. This installation provides full thermal insulation



**Tightness**  
IP55 to IEC 60529 with polyurethane seal provided.



**Ease of installation**  
Set of slide-rails allowing the variable speed drive to be mounted quickly and efficiently.



**Strength**  
The rigidity of the kit allows it to be installed on Spacial S3D, SF and SM enclosures.



**Earth continuity**  
Earth continuity is ensured by tightening the M6 nuts associated with pin washers.

**Maintenance of the variable speed drive fan (kit sizes 4 and 5)**  
Easy front-panel maintenance for fan servicing.



**Configured offer**

**Services**  
Possibility of cutouts (enclosure and frame) by Schneider Electric: no risk of corrosion and cuts (cutout made before painting).



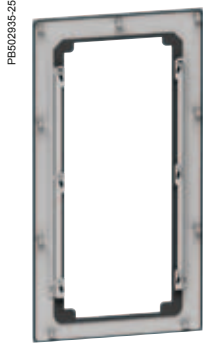
- inside the enclosure on a mounting plate. This installation may require the addition of a thermal control.



# Variable speed drive flush-mounting kits

## Characteristics

New



Sizes 1, 2 and 3.



Sizes 4 and 5.

| Characteristics              | Mounting kits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              | Variable speed drive installation kits allowing the hot part to be isolated.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Material                     | Steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Finish                       | <ul style="list-style-type: none"> <li>■ Painted with epoxy-polyester resin</li> <li>■ Salt spray resistance: 336 h</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Colour                       | RAL 7035 grey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Ingress protection rating    | IP55                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Mechanical protection rating | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Certifications               | IEC 62208, UL 508A under development                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Supply                       | <p><b>Sizes 1, 2 and 3:</b></p> <ul style="list-style-type: none"> <li>■ Painted steel plate with cutout fitted with two slide-rails + adhesive seal + 7 to 9 M6 studs for kit mounting</li> <li>■ Protection seal profile supplied for frame cutout</li> <li>■ Enclosure drilling template</li> </ul> <p><b>Sizes 4 and 5:</b></p> <ul style="list-style-type: none"> <li>■ Painted steel plates with cutout fitted with painted mounting brackets + screws and nuts for fixing the brackets and the kit</li> <li>■ Protection seal supplied for frame cutout</li> <li>■ Enclosure drilling template</li> <li>■ Fan support for ease of maintenance</li> <li>■ Protective cover</li> </ul> |

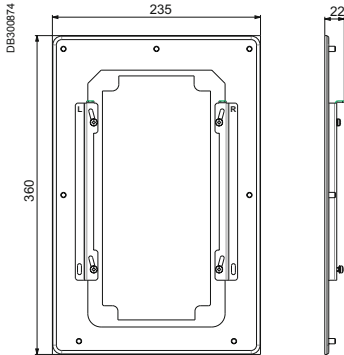
| Dimensions (mm) |     |       | Sizes | Compatibilities | References                                                              |                                                                                        |                                                                         |                                                                                        |          |
|-----------------|-----|-------|-------|-----------------|-------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------|
| H               | L   | P     |       | Enclosures      | Variable speed drives                                                   | Kits                                                                                   |                                                                         |                                                                                        |          |
|                 |     |       |       | ATV630          |                                                                         | ATV930                                                                                 |                                                                         |                                                                                        |          |
|                 |     |       |       | 200/240 V       |                                                                         | 200/240 V                                                                              |                                                                         |                                                                                        |          |
|                 |     |       |       | 380/480 V       |                                                                         | 380/480 V                                                                              |                                                                         |                                                                                        |          |
| 360             | 235 | 22    | 1     | S3D, SF, SM     | ATV630U07M3<br>ATV630U15M3<br>ATV630U22M3<br>ATV630U30M3<br>ATV630U40M3 | ATV630U07N4<br>ATV630U15N4<br>ATV630U22N4<br>ATV630U30N4<br>ATV630U40N4<br>ATV630U55N4 | ATV930U07M3<br>ATV930U15M3<br>ATV930U22M3<br>ATV930U30M3<br>ATV930U40M3 | ATV930U07N4<br>ATV930U15N4<br>ATV930U22N4<br>ATV930U30N4<br>ATV930U40N4<br>ATV930U55N4 | NSYPTDS1 |
| 420             | 265 | 22    | 2     | S3D, SF, SM     | ATV630U55M3                                                             | ATV630U75N4<br>ATV630D11N4                                                             | ATV930U55M3                                                             | ATV930U75N4<br>ATV930D11N4                                                             | NSYPTDS2 |
| 555             | 295 | 22    | 3     | S3D, SF, SM     | ATV630U75M3<br>ATV630D11M3                                              | ATV630D15N4<br>ATV630D18N4<br>ATV630D22N4                                              | ATV930U75M3<br>ATV930D11M3                                              | ATV930D15N4<br>ATV930D18N4<br>ATV930D22N4                                              | NSYPTDS3 |
| 800             | 385 | 151,5 | 4     | SF, SM          | ATV630D15M3<br>ATV630D18M3<br>ATV630D22M3                               | ATV630D30N4<br>ATV630D37N4<br>ATV630D45N4                                              | ATV930D15M3<br>ATV930D18M3<br>ATV930D22M3                               | ATV930D30N4<br>ATV930D37N4<br>ATV930D45N4                                              | NSYPTDS4 |
| 975             | 427 | 205,5 | 5     | SF, SM          | ATV630D30M3<br>ATV630D37M3<br>ATV630D45M3                               | ATV630D55N4<br>ATV630D75N4<br>ATV630D90N4                                              | ATV930D30M3<br>ATV930D37M3<br>ATV930D45M3                               | ATV930D55N4<br>ATV930D75N4<br>ATV930D90N4                                              | NSYPTDS5 |

# Variable speed drive flush-mounting kits

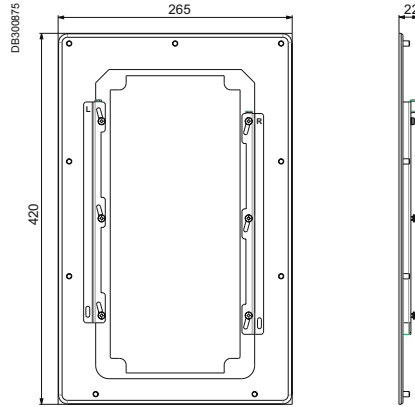
## Dimensions

New

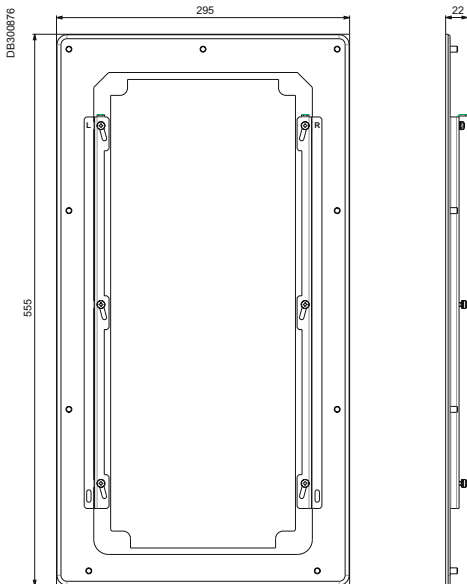
**NSYPTDS1**



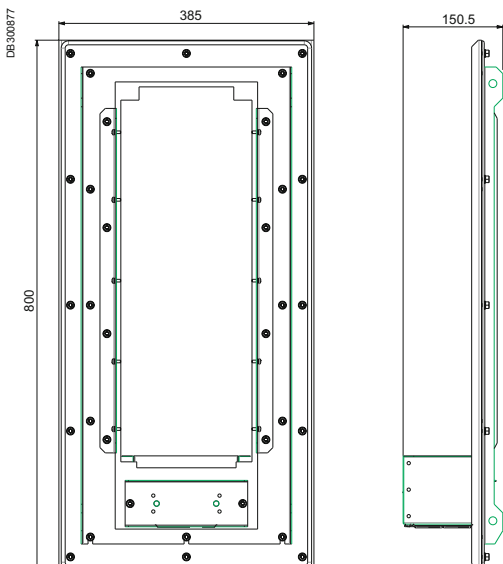
**NSYPTDS2**



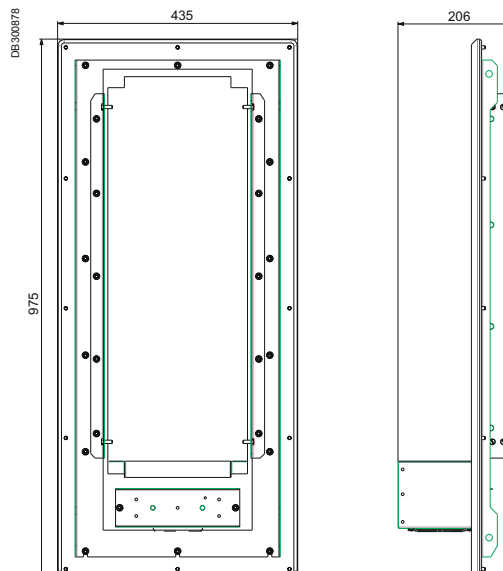
**NSYPTDS3**



**NSYPTDS4**



**NSYPTDS5**





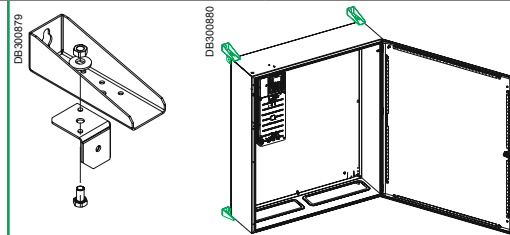
# Variable speed drive flush-mounting kits

## Mounting accessory

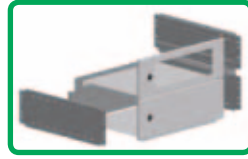
New



| Characteristics                         |       | Wall-mounting enclosure fixing lug       |             |
|-----------------------------------------|-------|------------------------------------------|-------------|
| Maximum load                            |       | 105 kg                                   |             |
| Material                                |       | Painted steel RAL 7035                   |             |
| Supply                                  |       | Set of 4 lugs and brackets + fasteners   |             |
| Wall-mounting enclosure Dimensions (mm) |       | References                               |             |
| Height                                  | Width | Variable speed drive flush-mounting kits | Fixing lug  |
| ≥ 400                                   | ≥ 300 | NSYPTDS1                                 | NSYAEFPFPTD |
| ≥ 500                                   | ≥ 300 | NSYPTDS2                                 |             |
| ≥ 600                                   | ≥ 400 | NSYPTDS3                                 |             |

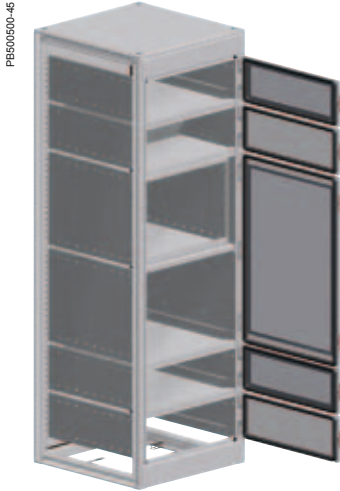


➤ The compartmentalised enclosure separates the various working areas, restricting their access.



**The closed compartments make it possible**

- To insulate the control of a device mechanically and electrically.
- To reduce the destructive effects of a short-circuit.



Equipment support accessories, see page 444.

**This range can be configured according to your needs**

4 different services available:



Assemble to order



Mounting of standard accessories



Painting

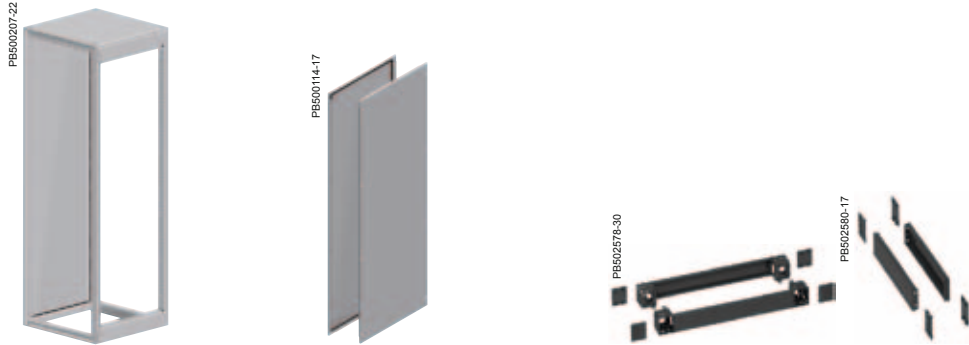


Machining

See page 450 for details or consult our web site [www.schneider-electric.com](http://www.schneider-electric.com)

# Compartmentalised enclosure

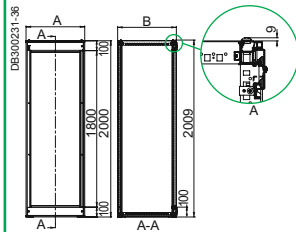
## Characteristics



| Characteristics | Compartmentalised enclosure                                                                                                                                                                                                                                                                 | Standard side panels                                                                                                                                              | Front plinth  | Plinth side panel |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------|
|                 | <ul style="list-style-type: none"> <li>■ Structure: top and bottom frame and vertical uprights.</li> <li>■ Fixed panels (H: 100 mm): top and bottom, to allow modularity.</li> <li>■ 2 intermediate crossbars.</li> <li>■ Removable roof.</li> <li>■ External fixing rear panel.</li> </ul> | <b>External fixing</b> <ul style="list-style-type: none"> <li>■ Set of 2 side panels fixed to the outside of the enclosure.</li> <li>■ Captive screws.</li> </ul> | See page 104. |                   |
| Material        | Steel                                                                                                                                                                                                                                                                                       | Steel                                                                                                                                                             | -             |                   |
| Finish          | Painted with epoxy-polyester resin                                                                                                                                                                                                                                                          | Painted with epoxy-polyester resin                                                                                                                                | -             |                   |
| Colour          | RAL 7035 grey                                                                                                                                                                                                                                                                               | RAL 7035 grey                                                                                                                                                     | -             |                   |
| Supply          | -                                                                                                                                                                                                                                                                                           | 2 side panels with external fixing, supplied with sealing gasket                                                                                                  | -             |                   |

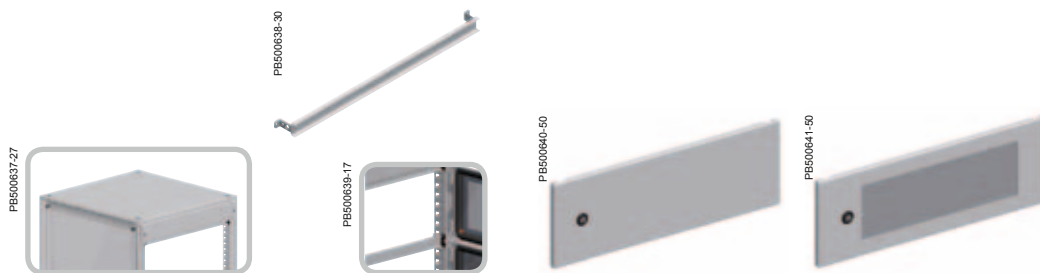
**References**

| Height (mm) | Width (B) (mm) | Depth (C) (mm) | Useful height for doors (mm) |             | 100 mm    | 200 mm      | 100 mm      | 200 mm      |             |
|-------------|----------------|----------------|------------------------------|-------------|-----------|-------------|-------------|-------------|-------------|
| 2000        | 600            | 600            | 1800                         | NSYSF20660M | NSY2SP206 | NSYS PF6100 | NSYS PF6200 | NSYS SP6100 | NSYS SP6200 |
|             |                | 800            | 1800                         | NSYSF20680M | NSY2SP208 |             |             | NSYS SP8100 | NSYS SP8200 |
| 800         | 600            | 600            | 1800                         | NSYSF20860M | NSY2SP206 | NSYS PF8100 | NSYS PF8200 | NSYS SP6100 | NSYS SP6200 |
|             |                | 800            | 1800                         | NSYSF20880M | NSY2SP208 |             |             | NSYS SP8100 | NSYS SP8200 |



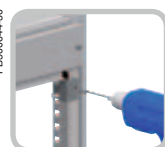
# Compartmentalised enclosure

## Specific accessories



| Characteristics              | Fixed panel for modularity                                                                                                                                                                                                                                                                                                  | Intermediate crossbar                                                                                                                                                                                                                                                | Plain partial door                                                                                                                                                                                                                                                                                                                                                                                                                            | Transparent partial door           |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
|                              | <ul style="list-style-type: none"> <li>It is installed at the top and bottom of the enclosure, to obtain the modularity required to install partial doors.</li> <li>100 mm fixed panel delivered as standard for the compartmentalised offer. Possibility to be used on Spacial SF kit for other configurations.</li> </ul> | <ul style="list-style-type: none"> <li>It is mounted between partial doors or between doors and control desk, guaranteeing good sealing.</li> <li>To be used in the absence of the partition tray.</li> <li>Crossbar with direct fixing to the structure.</li> </ul> | <ul style="list-style-type: none"> <li>They are fixed to the uprights of the structure by means of hinges.</li> <li>Opening to the right or left.</li> <li>1 vertical reinforcement frame, cut-out with a pitch of 25 mm; except doors with a height of 200 mm.</li> </ul>                                                                                                                                                                    |                                    |
| Material                     | Steel                                                                                                                                                                                                                                                                                                                       | Steel                                                                                                                                                                                                                                                                | Steel                                                                                                                                                                                                                                                                                                                                                                                                                                         | Securit® glass                     |
| Finish                       | Painted with epoxy-polyester resin                                                                                                                                                                                                                                                                                          | Painted with epoxy-polyester resin                                                                                                                                                                                                                                   | Painted with epoxy-polyester resin                                                                                                                                                                                                                                                                                                                                                                                                            | Painted with epoxy-polyester resin |
| Colour                       | RAL 7035 grey                                                                                                                                                                                                                                                                                                               | RAL 7035 grey                                                                                                                                                                                                                                                        | RAL 7035 grey                                                                                                                                                                                                                                                                                                                                                                                                                                 | RAL 7035 grey                      |
| Mechanical protection rating | -                                                                                                                                                                                                                                                                                                                           | -                                                                                                                                                                                                                                                                    | IK10                                                                                                                                                                                                                                                                                                                                                                                                                                          | IK8                                |
| Other characteristics        | -                                                                                                                                                                                                                                                                                                                           | -                                                                                                                                                                                                                                                                    | <ul style="list-style-type: none"> <li>Locking system with small flat escutcheon, made from polyamide 6 with 30 % fibreglass, RAL 9005 black, with 5 mm double-bar metal insert</li> <li>1 locking point for doors with heights of 200 mm and 2 locking points for doors with heights from 400 to 1000 mm</li> <li>Plain partial doors with handle lock with 5-mm double-bar insert (3)</li> <li>4 locking points and 4 hinges (3)</li> </ul> |                                    |
| Supply                       | 2 panels (1)                                                                                                                                                                                                                                                                                                                | 6 crossbars (1)                                                                                                                                                                                                                                                      | Partial door (2)                                                                                                                                                                                                                                                                                                                                                                                                                              |                                    |

| Width (B) (mm) | Height (A) (mm) | Depth (C) (mm) | References |         |         |
|----------------|-----------------|----------------|------------|---------|---------|
| 600            | -               | 400            | -          |         |         |
|                |                 | 500            | -          |         |         |
|                | 100             | -              | NSYMF16    | NSYMIC6 |         |
|                |                 | 200            | 600        |         | -       |
|                |                 | 800            | -          |         |         |
|                | 300             | -              | NSYMF36    |         |         |
|                |                 | 400            | 600        |         | -       |
|                |                 | 800            | -          |         |         |
|                | 600             | -              | -          |         |         |
|                |                 | 800            | -          |         |         |
|                | 1000            | -              | -          |         |         |
|                |                 | 1200           | -          |         |         |
|                | 1400            | -              | -          |         |         |
|                |                 | 1600           | -          |         |         |
|                | 800             | -              | 400        |         | -       |
|                |                 |                | 500        |         | -       |
| 100            |                 | -              | NSYMF18    |         | NSYMIC8 |
|                |                 | 200            | 600        |         |         |
|                |                 | 800            | -          |         |         |
| 300            |                 | -              | NSYMF38    |         |         |
|                |                 | 400            | 600        | -       |         |
|                |                 | 800            | -          |         |         |
| 600            |                 | -              | -          |         |         |
|                |                 | 800            | -          |         |         |
| 1000           |                 | -              | -          |         |         |
|                |                 | 1200           | -          |         |         |
| 1400           |                 | -              | -          |         |         |
|                |                 | 1600           | -          |         |         |



### Drilling template

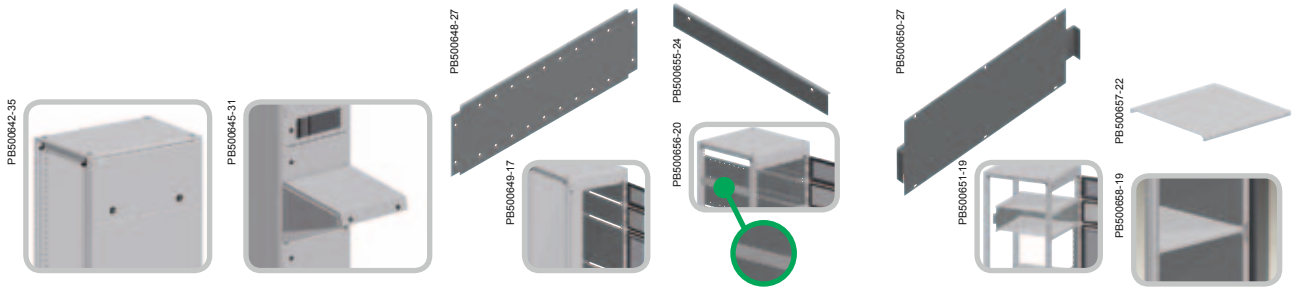
Guide for drilling the vertical uprights, prior to installing the partial doors.

#### Reference

NSYMDT

# Compartmentalised enclosure

## Specific accessories

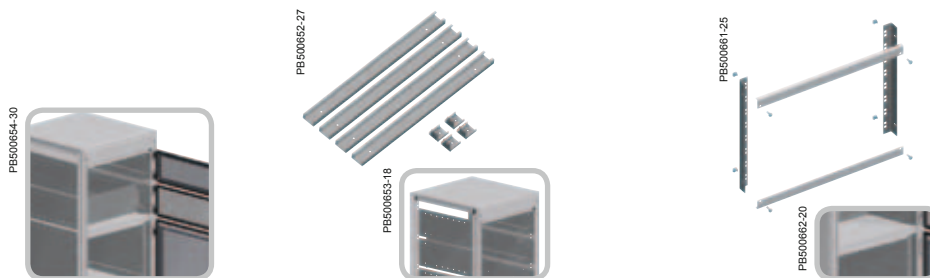


|  | Folding panels                                                                                                                                                                                                                                                           | Control desk                                                                                                                                                                                             | Side partitions                                                                                                                                                                  | Side enclosing plate                                                                                                                                                                                                       | Rear partitions                                                                                                                                                                                          | Partition tray                                                                                                                                                                                                 |
|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <ul style="list-style-type: none"> <li>Horizontal panel, hinged at the top.</li> <li>Guarantees protection of the sets of bars.</li> <li>Opening angle: 110°.</li> <li>It is installed together with partial doors to create the modularity of the enclosure.</li> </ul> | <ul style="list-style-type: none"> <li>Support for human-machine dialogue.</li> <li>It is fixed directly to the structure of the enclosure and can be inserted the same as the partial doors.</li> </ul> | <ul style="list-style-type: none"> <li>Side partitions which guarantee good insulation of the compartments.</li> <li>Direct fixing on the structure of the enclosure.</li> </ul> | <ul style="list-style-type: none"> <li>Plate to be installed between the side partitions, achieving full enclosure of the module.</li> <li>It is fixed to the side partition from the outside of the enclosure.</li> </ul> | <ul style="list-style-type: none"> <li>Rear enclosing plates for forming modules, also allowing the installation of equipment.</li> <li>They are installed at the rear of the partition tray.</li> </ul> | <ul style="list-style-type: none"> <li>Guarantees horizontal insulation of the modules.</li> <li>It is fixed to the front frame, supported by the side partitions.</li> <li>Tray crossbar included.</li> </ul> |
|  | Steel                                                                                                                                                                                                                                                                    | Steel                                                                                                                                                                                                    | Galvanised steel                                                                                                                                                                 | Galvanised steel                                                                                                                                                                                                           | Galvanised steel                                                                                                                                                                                         | Galvanised steel                                                                                                                                                                                               |
|  | Painted with epoxy-polyester resin                                                                                                                                                                                                                                       | Painted with epoxy-polyester resin                                                                                                                                                                       | -                                                                                                                                                                                | -                                                                                                                                                                                                                          | -                                                                                                                                                                                                        | -                                                                                                                                                                                                              |
|  | RAL 7035 grey                                                                                                                                                                                                                                                            | RAL 7035 grey                                                                                                                                                                                            | -                                                                                                                                                                                | -                                                                                                                                                                                                                          | -                                                                                                                                                                                                        | -                                                                                                                                                                                                              |
|  | IK10                                                                                                                                                                                                                                                                     | IK10                                                                                                                                                                                                     | IK10                                                                                                                                                                             | -                                                                                                                                                                                                                          | IK10                                                                                                                                                                                                     | -                                                                                                                                                                                                              |
|  | Locking system with two small flat escutcheons, made from polyamide 6 with 30 % fibreglass, RAL 9005 black, with 5-mm double-bar insert                                                                                                                                  | Locking system with small flat escutcheons, made from polyamide 6 with 30 % fibreglass, RAL 9005 black, with 5-mm double-bar metal insert                                                                | -                                                                                                                                                                                | -                                                                                                                                                                                                                          | -                                                                                                                                                                                                        | -                                                                                                                                                                                                              |
|  | 1 folding panel (2)                                                                                                                                                                                                                                                      | 1 control desk (1)                                                                                                                                                                                       | 1 side partition panel (1).<br>Order by multiples of 2 (2, 4, 6...)                                                                                                              | 1 side enclosing plate (1)                                                                                                                                                                                                 | 2 rear partitions (1)                                                                                                                                                                                    | 1 partition tray (1).<br>Order by multiples of 6 (6, 12, 18...)                                                                                                                                                |
|  | -                                                                                                                                                                                                                                                                        | -                                                                                                                                                                                                        | -                                                                                                                                                                                | -                                                                                                                                                                                                                          | -                                                                                                                                                                                                        | <b>NSYSTR64</b>                                                                                                                                                                                                |
|  | -                                                                                                                                                                                                                                                                        | -                                                                                                                                                                                                        | -                                                                                                                                                                                | -                                                                                                                                                                                                                          | -                                                                                                                                                                                                        | <b>NSYSTR65</b>                                                                                                                                                                                                |
|  | -                                                                                                                                                                                                                                                                        | -                                                                                                                                                                                                        | -                                                                                                                                                                                | -                                                                                                                                                                                                                          | -                                                                                                                                                                                                        | -                                                                                                                                                                                                              |
|  | -                                                                                                                                                                                                                                                                        | -                                                                                                                                                                                                        | <b>NSYMSC26</b>                                                                                                                                                                  | <b>NSYCMOD6</b>                                                                                                                                                                                                            | <b>NSYBMC26</b>                                                                                                                                                                                          | -                                                                                                                                                                                                              |
|  | -                                                                                                                                                                                                                                                                        | -                                                                                                                                                                                                        | <b>NSYMSC28</b>                                                                                                                                                                  | <b>NSYCMOD8</b>                                                                                                                                                                                                            | <b>NSYBMC26</b>                                                                                                                                                                                          | -                                                                                                                                                                                                              |
|  | <b>NSYCDP36</b>                                                                                                                                                                                                                                                          | -                                                                                                                                                                                                        | -                                                                                                                                                                                | -                                                                                                                                                                                                                          | -                                                                                                                                                                                                        | -                                                                                                                                                                                                              |
|  | -                                                                                                                                                                                                                                                                        | <b>NSYCOD264</b>                                                                                                                                                                                         | <b>NSYMSC46</b>                                                                                                                                                                  | <b>NSYCMOD6</b>                                                                                                                                                                                                            | <b>NSYBMC46</b>                                                                                                                                                                                          | -                                                                                                                                                                                                              |
|  | -                                                                                                                                                                                                                                                                        | -                                                                                                                                                                                                        | <b>NSYMSC48</b>                                                                                                                                                                  | <b>NSYCMOD8</b>                                                                                                                                                                                                            | <b>NSYBMC46</b>                                                                                                                                                                                          | -                                                                                                                                                                                                              |
|  | -                                                                                                                                                                                                                                                                        | -                                                                                                                                                                                                        | -                                                                                                                                                                                | -                                                                                                                                                                                                                          | <b>NSYBMC66</b>                                                                                                                                                                                          | -                                                                                                                                                                                                              |
|  | -                                                                                                                                                                                                                                                                        | -                                                                                                                                                                                                        | -                                                                                                                                                                                | -                                                                                                                                                                                                                          | <b>NSYBMC86</b>                                                                                                                                                                                          | -                                                                                                                                                                                                              |
|  | -                                                                                                                                                                                                                                                                        | -                                                                                                                                                                                                        | -                                                                                                                                                                                | -                                                                                                                                                                                                                          | <b>NSYBMC106</b>                                                                                                                                                                                         | -                                                                                                                                                                                                              |
|  | -                                                                                                                                                                                                                                                                        | -                                                                                                                                                                                                        | -                                                                                                                                                                                | -                                                                                                                                                                                                                          | -                                                                                                                                                                                                        | -                                                                                                                                                                                                              |
|  | -                                                                                                                                                                                                                                                                        | -                                                                                                                                                                                                        | -                                                                                                                                                                                | -                                                                                                                                                                                                                          | -                                                                                                                                                                                                        | -                                                                                                                                                                                                              |
|  | -                                                                                                                                                                                                                                                                        | -                                                                                                                                                                                                        | -                                                                                                                                                                                | -                                                                                                                                                                                                                          | -                                                                                                                                                                                                        | <b>NSYSTR84</b>                                                                                                                                                                                                |
|  | -                                                                                                                                                                                                                                                                        | -                                                                                                                                                                                                        | -                                                                                                                                                                                | -                                                                                                                                                                                                                          | -                                                                                                                                                                                                        | <b>NSYSTR85</b>                                                                                                                                                                                                |
|  | -                                                                                                                                                                                                                                                                        | -                                                                                                                                                                                                        | -                                                                                                                                                                                | -                                                                                                                                                                                                                          | -                                                                                                                                                                                                        | -                                                                                                                                                                                                              |
|  | -                                                                                                                                                                                                                                                                        | -                                                                                                                                                                                                        | <b>NSYMSC26</b>                                                                                                                                                                  | <b>NSYCMOD6</b>                                                                                                                                                                                                            | <b>NSYBMC28</b>                                                                                                                                                                                          | -                                                                                                                                                                                                              |
|  | -                                                                                                                                                                                                                                                                        | -                                                                                                                                                                                                        | <b>NSYMSC28</b>                                                                                                                                                                  | <b>NSYCMOD8</b>                                                                                                                                                                                                            | <b>NSYBMC28</b>                                                                                                                                                                                          | -                                                                                                                                                                                                              |
|  | <b>NSYCDP38</b>                                                                                                                                                                                                                                                          | -                                                                                                                                                                                                        | -                                                                                                                                                                                | -                                                                                                                                                                                                                          | -                                                                                                                                                                                                        | -                                                                                                                                                                                                              |
|  | -                                                                                                                                                                                                                                                                        | <b>NSYCOD284</b>                                                                                                                                                                                         | <b>NSYMSC46</b>                                                                                                                                                                  | <b>NSYCMOD6</b>                                                                                                                                                                                                            | <b>NSYBMC48</b>                                                                                                                                                                                          | -                                                                                                                                                                                                              |
|  | -                                                                                                                                                                                                                                                                        | -                                                                                                                                                                                                        | <b>NSYMSC48</b>                                                                                                                                                                  | <b>NSYCMOD8</b>                                                                                                                                                                                                            | <b>NSYBMC48</b>                                                                                                                                                                                          | -                                                                                                                                                                                                              |
|  | -                                                                                                                                                                                                                                                                        | -                                                                                                                                                                                                        | -                                                                                                                                                                                | -                                                                                                                                                                                                                          | <b>NSYBMC68</b>                                                                                                                                                                                          | -                                                                                                                                                                                                              |
|  | -                                                                                                                                                                                                                                                                        | -                                                                                                                                                                                                        | -                                                                                                                                                                                | -                                                                                                                                                                                                                          | <b>NSYBMC88</b>                                                                                                                                                                                          | -                                                                                                                                                                                                              |
|  | -                                                                                                                                                                                                                                                                        | -                                                                                                                                                                                                        | -                                                                                                                                                                                | -                                                                                                                                                                                                                          | <b>NSYBMC108</b>                                                                                                                                                                                         | -                                                                                                                                                                                                              |
|  | -                                                                                                                                                                                                                                                                        | -                                                                                                                                                                                                        | -                                                                                                                                                                                | -                                                                                                                                                                                                                          | -                                                                                                                                                                                                        | -                                                                                                                                                                                                              |
|  | -                                                                                                                                                                                                                                                                        | -                                                                                                                                                                                                        | -                                                                                                                                                                                | -                                                                                                                                                                                                                          | -                                                                                                                                                                                                        | -                                                                                                                                                                                                              |

(1) With fixing elements.  
 (2) With fixing elements and hinges.  
 (3) For folding panel.

# Compartmentalised enclosure

## Specific accessories



| Characteristics |                 | Mounting plate                                                                                                                                                                                                                    | Fixing kit                                                                                                                                                                                                                                                                                                                                                                                |            |                 | Partial 19" fixed rack                                                                                                                                                                                         |                   |
|-----------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
|                 |                 | <ul style="list-style-type: none"> <li>■ Plate for fixing elements.</li> <li>■ It is mounted fixed on the fixing kit, with ref. <b>NSYCFIX</b>, or with adjustable depth with ref. <b>NSYCFIX6</b> or <b>NSYCFIX8</b>.</li> </ul> | <ul style="list-style-type: none"> <li>■ Provide the fixing of the mounting plate.</li> <li>■ They are fixed to the side enclosing plates.</li> <li>■ Models:                             <ul style="list-style-type: none"> <li>□ Fixed: allow adjustment with a pitch of 50 mm.</li> <li>□ Adjustable: allow continuous adjustment for depths of 600 and 800 mm.</li> </ul> </li> </ul> |            |                 | <ul style="list-style-type: none"> <li>■ Designed for coupling to enclosures with a width of 600 mm.</li> <li>■ Direct fixing to the structure, in front position.</li> <li>■ Maximum load: 2 kg/u.</li> </ul> |                   |
| Material        |                 | Galvanised steel                                                                                                                                                                                                                  | Zinc-coated steel                                                                                                                                                                                                                                                                                                                                                                         |            |                 | Zinc-coated steel                                                                                                                                                                                              |                   |
| Supply          |                 | 1 mounting plate                                                                                                                                                                                                                  | 4 units (1)                                                                                                                                                                                                                                                                                                                                                                               |            |                 | 2 racks, 2 horizontal escutcheons (1)                                                                                                                                                                          |                   |
| Width (mm)      | Height (A) (mm) | References                                                                                                                                                                                                                        | Depth (mm)                                                                                                                                                                                                                                                                                                                                                                                | Models     | References      | No. of units                                                                                                                                                                                                   | References        |
| -               | -               | -                                                                                                                                                                                                                                 | -                                                                                                                                                                                                                                                                                                                                                                                         | Fixed      | <b>NSYCFIX</b>  | -                                                                                                                                                                                                              | -                 |
| -               | -               | -                                                                                                                                                                                                                                 | 600                                                                                                                                                                                                                                                                                                                                                                                       | Adjustable | <b>NSYCFIX6</b> | -                                                                                                                                                                                                              | -                 |
| -               | -               | -                                                                                                                                                                                                                                 | 800                                                                                                                                                                                                                                                                                                                                                                                       | Adjustable | <b>NSYCFIX8</b> | -                                                                                                                                                                                                              | -                 |
| 600             | -               | -                                                                                                                                                                                                                                 | -                                                                                                                                                                                                                                                                                                                                                                                         | -          | -               | -                                                                                                                                                                                                              | -                 |
|                 | 200             | <b>NSYMP26</b>                                                                                                                                                                                                                    | -                                                                                                                                                                                                                                                                                                                                                                                         | -          | -               | 3                                                                                                                                                                                                              | <b>NSYCRCKP3</b>  |
|                 | 400             | <b>NSYMP46</b>                                                                                                                                                                                                                    | -                                                                                                                                                                                                                                                                                                                                                                                         | -          | -               | 7                                                                                                                                                                                                              | <b>NSYCRCKP7</b>  |
|                 | 600             | <b>NSYMP66</b>                                                                                                                                                                                                                    | -                                                                                                                                                                                                                                                                                                                                                                                         | -          | -               | 12                                                                                                                                                                                                             | <b>NSYCRCKP12</b> |
|                 | 800             | <b>NSYMP86</b>                                                                                                                                                                                                                    | -                                                                                                                                                                                                                                                                                                                                                                                         | -          | -               | 16                                                                                                                                                                                                             | <b>NSYCRCKP16</b> |
|                 | 1000            | <b>NSYMP106</b>                                                                                                                                                                                                                   | -                                                                                                                                                                                                                                                                                                                                                                                         | -          | -               | 21                                                                                                                                                                                                             | <b>NSYCRCKP21</b> |
|                 | 1200            | -                                                                                                                                                                                                                                 | -                                                                                                                                                                                                                                                                                                                                                                                         | -          | -               | 25                                                                                                                                                                                                             | <b>NSYCRCKP25</b> |
| 800             | -               | -                                                                                                                                                                                                                                 | -                                                                                                                                                                                                                                                                                                                                                                                         | -          | -               | -                                                                                                                                                                                                              | -                 |
|                 | 200             | <b>NSYMP28</b>                                                                                                                                                                                                                    | -                                                                                                                                                                                                                                                                                                                                                                                         | -          | -               | 3                                                                                                                                                                                                              | <b>NSYCRCKP3</b>  |
|                 | 400             | <b>NSYMP48</b>                                                                                                                                                                                                                    | -                                                                                                                                                                                                                                                                                                                                                                                         | -          | -               | 7                                                                                                                                                                                                              | <b>NSYCRCKP7</b>  |
|                 | 600             | <b>NSYMP68</b>                                                                                                                                                                                                                    | -                                                                                                                                                                                                                                                                                                                                                                                         | -          | -               | 12                                                                                                                                                                                                             | <b>NSYCRCKP12</b> |
|                 | 800             | <b>NSYMP88</b>                                                                                                                                                                                                                    | -                                                                                                                                                                                                                                                                                                                                                                                         | -          | -               | 16                                                                                                                                                                                                             | <b>NSYCRCKP16</b> |
|                 | 1000            | <b>NSYMP108</b>                                                                                                                                                                                                                   | -                                                                                                                                                                                                                                                                                                                                                                                         | -          | -               | 21                                                                                                                                                                                                             | <b>NSYCRCKP21</b> |
|                 | 1200            | -                                                                                                                                                                                                                                 | -                                                                                                                                                                                                                                                                                                                                                                                         | -          | -               | 25                                                                                                                                                                                                             | <b>NSYCRCKP25</b> |

(1) With fixing elements.

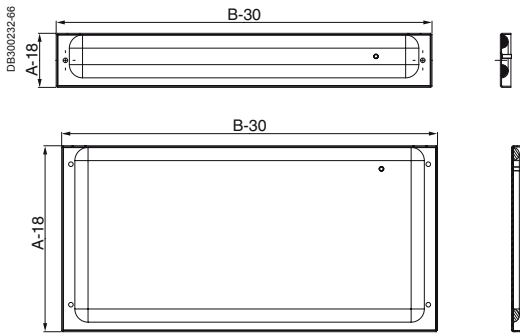
## Locks

### Locks for partial doors

| Type of lock    | Insert references  | Key references  |
|-----------------|--------------------|-----------------|
| 3 mm double bar | <b>NSYTDBC RN*</b> | <b>NSYLD B5</b> |
| 6 mm            | <b>NSYTC6CRN</b>   | <b>NSYLC7</b>   |
| 7 mm            | <b>NSYTC7CRN</b>   | <b>NSYLC7</b>   |
| 8 mm            | <b>NSYTC8CRN</b>   | <b>NSYLC8</b>   |
| 6.5 mm          | <b>NSYTT6CRN</b>   | <b>NSYLT8</b>   |
| 7 mm            | <b>NSYTT7CRN</b>   | <b>NSYLT8</b>   |
| 8 mm            | <b>NSYTT8CRN</b>   | <b>NSYLT8</b>   |

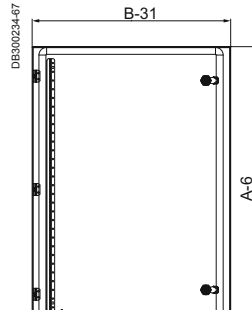
\* Delivered with 1 metal key.

## Fixed panel for modularity



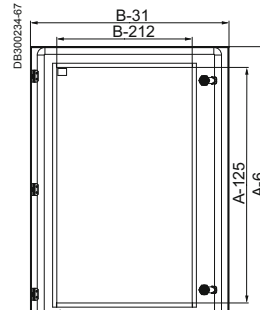
## Partial doors

### Plain



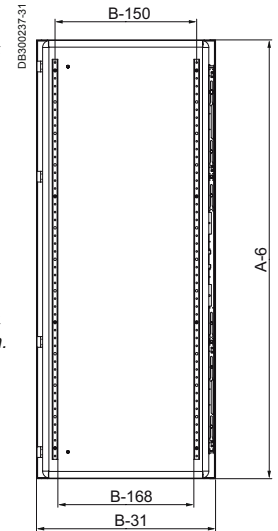
Heights from 400 to 1000 mm.

### Transparent

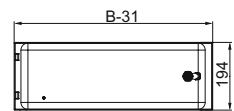
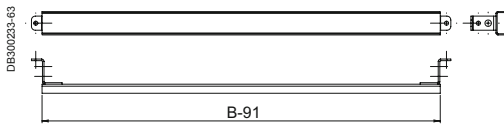


Heights from 400 to 1000 mm.

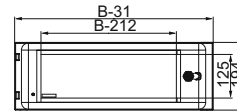
### For folding panel



## Intermediate crossbar

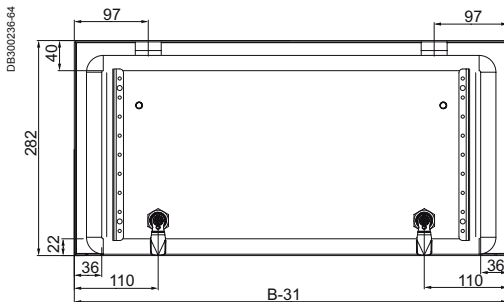


Height 200 mm.

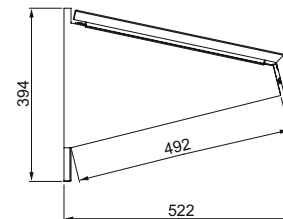
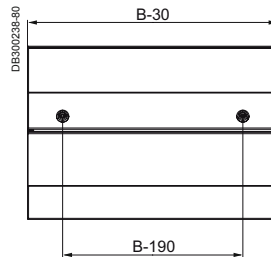


Height 200 mm.

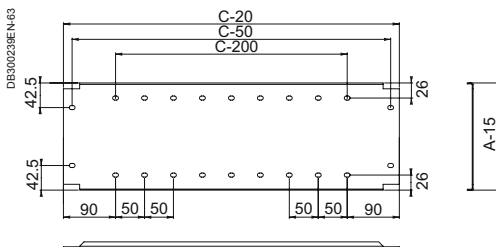
## Folding panels



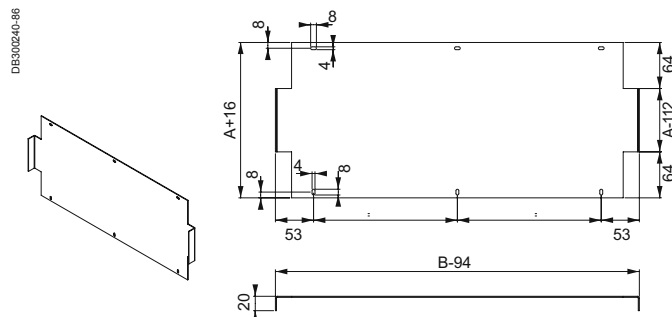
## Control desk



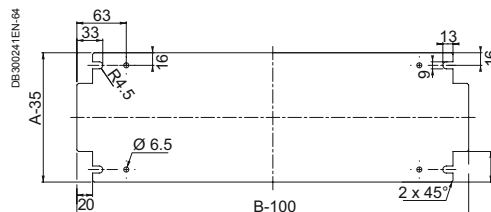
## Side partitions



## Rear partitions



## Mounting plate

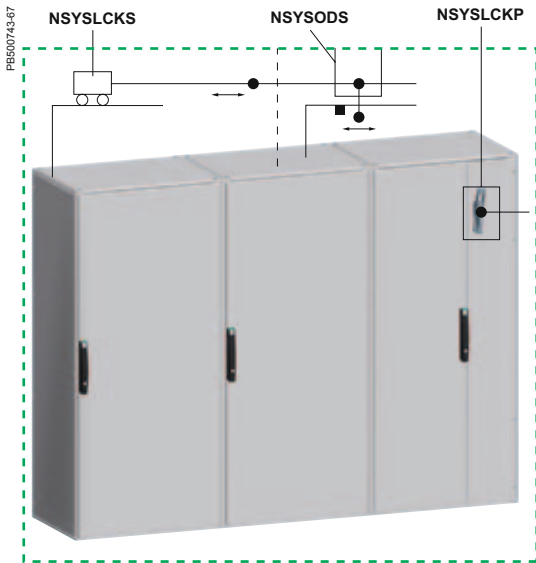


- The door of the "incoming" enclosure is interlocked by the control of the main switch or circuit breaker. A built-in interlocking system with runner rods prevents the opening of the "outgoing" enclosure doors. Access is only allowed when the main switch or circuit breaker is in "O" position and the main door is open. Manual activation of the rods unlocks the other doors and allows access.
- Designed to be associated with certain circuit breakers or switches:
  - Square D (9422 A1).
  - Schneider Electric.
- The system is limited for configurations up to 4 columns.



### Secure

The built-in secure interlocking system for the door (on demand) of the "incoming"/"outgoing" enclosures allows Spacial SF enclosures to be adapted to the requirements of the American car industry.

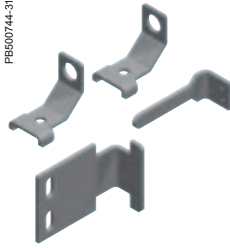




# Automobile application

## Characteristics

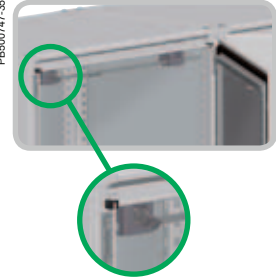
PB500744-31



PB500746-43



PB500747-35



| Characteristics   | Interlocking for main door                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Activation for secondary doors                                                                                                                                                                                                                                                                                                                           | Interlocking for secondary doors                                                                                                                                                                                                                    |            |            |     |           |     |           |      |            |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|-----|-----------|-----|-----------|------|------------|
|                   | <ul style="list-style-type: none"> <li>■ System for unlocking the main door adapted to the switches:                             <ul style="list-style-type: none"> <li>□ Allen Bradley (1494 VH11).</li> <li>□ Square D (9422 A1).</li> <li>□ Siemens (FH0H).</li> <li>□ Schneider Electric.</li> </ul> </li> <li>■ Unlocks the main door when the switch is in the open position "O".</li> <li>■ The main door interlocking system requires the ordering of both references:                             <ul style="list-style-type: none"> <li>□ ① Activation for secondary doors.</li> <li>□ ② Interlocking for secondary doors.</li> </ul> </li> </ul> | <p>System installed in the main enclosure. Activated by manual operation, preventing the opening of the secondary enclosures connected to one another by runner rods.</p> <p>It has a secure function which consists of a part that forces the system into the position in which the secondary enclosures are locked in order to lock the main door.</p> | <p>System for interlocking the outgoing enclosures connected to one another by runner rods that lock their doors.</p>                                                                                                                               |            |            |     |           |     |           |      |            |
| Material          | Steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <ul style="list-style-type: none"> <li>■ Mechanism: zinc-coated steel</li> <li>■ Activation handle: black plastic</li> </ul>                                                                                                                                                                                                                             | Steel                                                                                                                                                                                                                                               |            |            |     |           |     |           |      |            |
| Finish            | Zinc-coated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -                                                                                                                                                                                                                                                                                                                                                        | Zinc-coated                                                                                                                                                                                                                                         |            |            |     |           |     |           |      |            |
| Fixing            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -                                                                                                                                                                                                                                                                                                                                                        | Fixing to the structure of the enclosures by screws                                                                                                                                                                                                 |            |            |     |           |     |           |      |            |
| Supply            | 2 brackets for fixing the configured panel, interlocking elements, switch and fixings. Configured panel and handle not included.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Elements for activating the main door and fixings. For the complete function, both activation ① and interlocking systems ② need to be ordered.                                                                                                                                                                                                           | Elements for interlocking the secondary doors and fixings. For the complete function, both activation ① and interlocking systems ② need to be ordered.                                                                                              |            |            |     |           |     |           |      |            |
| <b>References</b> | <b>NSYSLCKP</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>NSYSODS</b>                                                                                                                                                                                                                                                                                                                                           | <table border="1"> <thead> <tr> <th>Width (mm)</th> <th>References</th> </tr> </thead> <tbody> <tr> <td>600</td> <td>NSYSLCKS6</td> </tr> <tr> <td>800</td> <td>NSYSLCKS8</td> </tr> <tr> <td>1000</td> <td>NSYSLCKS10</td> </tr> </tbody> </table> | Width (mm) | References | 600 | NSYSLCKS6 | 800 | NSYSLCKS8 | 1000 | NSYSLCKS10 |
| Width (mm)        | References                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                     |            |            |     |           |     |           |      |            |
| 600               | NSYSLCKS6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                     |            |            |     |           |     |           |      |            |
| 800               | NSYSLCKS8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                     |            |            |     |           |     |           |      |            |
| 1000              | NSYSLCKS10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                     |            |            |     |           |     |           |      |            |
|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                     |            |            |     |           |     |           |      |            |

PB500745-22



The fixed panel in this example must be ordered through our customised service.

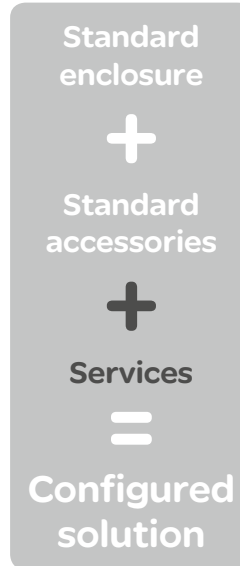
# The customised solutions

## Configured offer

## Introduction



Configured



The **configured offer** is a standard offer enriched by **4 services**



### Assemble to order

- Change the cladding composition (panels, doors...)
- Merge and assemble several enclosures (only for Spacial SF and Thalassa PLA)
- + Enclosure composition stick 100 % to customer needs
- + No need to have qualified personnel to merge enclosures



### Painting

- Change the colour of the complete enclosure (choice of 36 colours)
- Modify the coating of the raw material (ex.: zinc, etc.)
- + Industrial painting ensures the best protection
- + Totally customized



### Machining

- Make square and circle cut-outs **before** painting the enclosure (body, cable gland plate, sides) and mounting plates
- + Ensures safety and the best protection against rust
- + The enclosure is ready to be equipped



### Mounting of standard accessories

- Pre-installation of accessories inside or out-side of the enclosure (ex.: mounting plate, plinth, canopy, etc.)
- + Enclosure ready to be equipped

*Minimum order: 1 to 5, depends on type of enclosure.  
Manufacturing time: 3 to 10 days, depends on offer type.  
Delivery time: varies with destination, please consult us for more information.*

# Spacial.conf configuration tool

**Spacial.conf** is the configuration tool to be used to place your order. It gives you several benefits:

## > Consistency & error free

- One configurator for 14 countries & all configurable offers
- Compatibility between enclosure & accessories

## > Time saving & flexibility

- Users can indicate machining requests directly on our DXF drawing
- Decreasing price (depends on quantity)
- Manufacturing time adapted to each offer

## > Autonomy & facility

- Availability of both on-line & off-line versions
- Illustrated products help you in your choice
- FAQ information for faster understanding

## > Information back-up

- All data are provided to registered users (quotation, technical datasheet, etc.)
- Reusable smart code

## Your order in 5 steps with Spacial.conf:

### 1 - Select country & language

- 14 countries
- 4 languages



### 2 - Select enclosure

- Select product range
- Select material
- Select enclosure type

### 3 - Select accessories

- Composition accessories
- Mounting accessories
- Thermal accessories

### 4 - Select services

- Mounting
- Machining
- Painting
- Assembly

### 5 - Validation & send offer

- Order summary
- Send order to get quotation confirmation from local sales representative

Have a smartphone or a tablet? Scan this >



# The customised solutions

## Specific offer

## Introduction



Specific



# 20

experts

specialized on  
different materials  
and different  
products



The **specific offer** allows you to have a tailor-made product

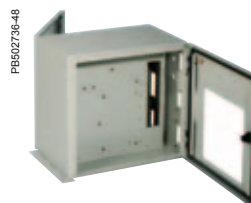
- > Special dimensions, special needs for thermal system, special components adaptation, etc. All possibilities are open.
- > You can choose to modify any of our standard products (boxes or enclosures, wall-mounting or floor-standing) or start from a newly designed solution.
- > Co-engineer your solution with our design and engineering team (20 experts entirely dedicated to your specific needs).



### Examples of Specific solution



- Special dimension
- Cut-outs on the body and the doors



- Cable-entry & door adaptation
- Special door shape

## What to take into account

This page will help you define your needs for enclosure and streamline your design process. You will then need to contact your sales representative.

### Step 1

#### Environment in which you'll install the enclosure(s)

- > Airborne debris; temperature variations; UV rays?
  - > Indoor or outdoor use?
  - > In wash down environment?
  - > In high traffic environment?
- 

### Step 2

#### Application(s) needs of your enclosure(s)

- > Access control; building automation; motor & motion control?
  - > Need to protect against electromagnetic disturbances?
  - > Use in potentially explosive atmospheres?
- 

### Step 3

#### Enclosure(s) description

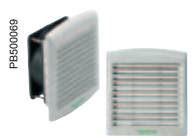

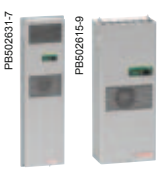



- > Type of enclosure's installation?
  - > Total weight of equipments in the enclosure?
  - > Design: color / coating / finish / dimension?
  - > Body components' adaptations: cable entry / mounting plate?
  - > Thermal management adaptations?
  - > Other accessories adaptations?
  - > Additional information: labeling / packaging / logistic?
- 

### Step 4

#### Business profile

- > Total quantity of enclosures needed and quantity per batch?
  - > Frequency of your order: single order / repeat order?
  - > Delivery time and method demand?
  - > Stock needs?
  - > Other comments?
-

# Thermal management system

|                                                                                     |                                                      |            |
|-------------------------------------------------------------------------------------|------------------------------------------------------|------------|
|                                                                                     | <b>ClimaSys</b>                                      | <b>456</b> |
|                                                                                     | Overview                                             | 456        |
|    | <b>ClimaSys CV</b><br>Ventilation systems            | <b>460</b> |
|    | <b>New</b><br><b>ClimaSys CE</b><br>Exchangers       | <b>478</b> |
|   | <b>New</b><br><b>ClimaSys CU</b><br>Cooling Units    | <b>489</b> |
|  | <b>ClimaSys CRS</b><br>Ultra thin resistance heaters | <b>506</b> |
|  | <b>ClimaSys CR</b><br>Resistance Heaters             | <b>508</b> |
|  | <b>New</b><br><b>ClimaSys CC</b><br>Thermal Control  | <b>513</b> |
|                                                                                     | <b>Thermal balance</b>                               | <b>519</b> |
|                                                                                     | <b>Software</b>                                      | <b>523</b> |
|                                                                                     | <b>Calculation and selection</b>                     | <b>525</b> |

PB502716-85



### What is thermal control?

#### Technological evolution

The miniaturisation of components, the generalisation of electronics and the appearance of new electronically powered products have made temperature management into a growing need which must necessarily be considered when designing electrical and/or electronic switchboards.

#### What are the advantages of efficient thermal management?

Thermal management of electrical switchboards is a major factor for industrial maintenance.

Many risks are incurred by not having a suitable thermal solution, which can affect the service life of the components and the performance of the facilities to the extent of causing a halt in production.

The service life of the components also depends on the temperature and humidity conditions inside the enclosure. The ideal values range from +25 to +35°C for the temperature and 40 to 60 % for the relative humidity (RH).

#### Cooling, heating, controlling

For the same reasons as the IP/IK protection ratings, equipment installed in enclosures requires suitable thermal protection.

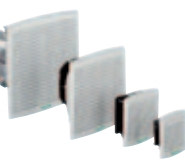
Various solutions to these problems have been put forward. They will be chosen according to environmental conditions, the type of components in the electrical switchboard, etc.


In certain cases, it is sufficient to oversize the enclosure, use fans or air-air exchangers, etc. In other cases, where the ambient temperature is higher, it becomes necessary to install air-water exchangers or cooling units.


#### A solution for each need

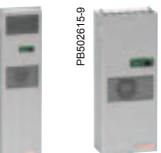
We provide a complete Thermal offer to secure your installations.

### Cooling

- 

> **Forced ventilation systems**
- 

> **Air-air exchangers**
- 

> **Air-water exchangers**
- 

> **Cooling units**

### Heating



> **Resistance heaters**

### Controlling



> **Thermal control accessories**

### Thermal software



> **Thermal software**



### Risks associated with the lack of thermal control

#### Random breakdowns and production halts result in heavy losses

Thermal control of enclosures extends the service life of the components and reduces their breakdown rate.

#### Reduction of the service life of the components

The service life of the components is considerably reduced if the temperature and humidity in enclosures are not controlled. Repeated sudden variations speed up the aging process.



#### Example

##### Batteries – Accumulators

Manufacturers recommend installing batteries in environments where the controlled temperature is 15°C... 25°C. Cold slows down the battery charging and discharging cycles. Heat increases the evaporation of water in the electrolyte and speeds up the oxidation of the plates. Using batteries at temperatures above the recommended value therefore reduces their service life.

#### Sudden production halt

The appearance of hot spots increases the breakdown rate and endangers the production process.



#### Example

##### Electronic equipment

Most electronic industrial control systems are equipped with axial fans for their own thermal control. A failure of the fan can lead to a production halt.

Reduced service life of the fan is one consequence of the enclosure heating up. 24 V DC axial fan.

- Temperature range: -20... +70°C.
- Service life at 20°C (L10 at 20°C): 50000 h.
- Service life at 60°C (L10 at 20°C): 20000 h.

The service life of the equipment can drop from 50000 h to only 20000 h.

#### The internal temperature increases with a high degree of IP

In aggressive atmospheres: dust, humidity, chemical agents, high temperatures, etc., the equipment is installed in industrial enclosures (IP54) in order to protect it from the external environment. Nevertheless, it causes a reheating phenomenon which, if left unchecked, will be responsible in the short term for a halt in the operation of the components.



#### Example

##### Variable speed drives

A variable speed drive controlling a 45 kW (60 HP) motor is programmed to work at temperatures ranging up to 50°C or 60°C.

The power dissipated by this variable speed drive inside the enclosure can reach 1360 W. This contribution of heat inside the enclosure will cause the top temperature to rise to 60°C and probably cause a halt in production.

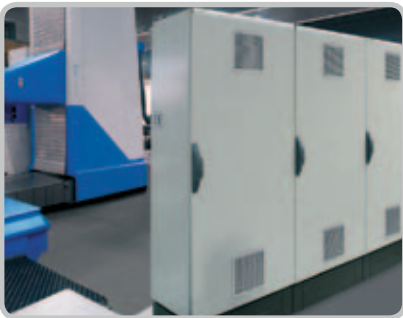
#### Our solution

Our new thermal offer includes a large range of solutions, suitable for all situations, from installing a ventilation system to exchangers or even a cooling unit. Do not hesitate to contact us to find out the best thermal solution for your installation.

PB601016-59



PB601017-88



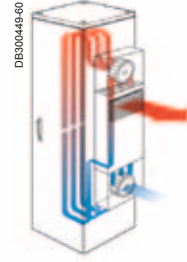
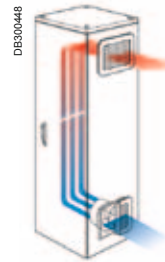
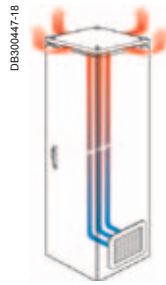
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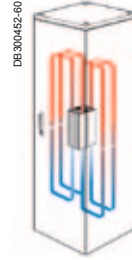
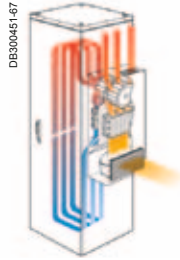
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# Thermal management system Overview



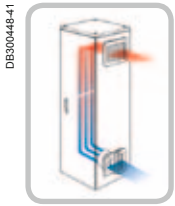
| System                                                     | Airing                                                                                                                                                                            | Ventilating                                                                                                                                                                                                                                                     | Air-air exchanger                                                                                                                                                                                                                                                              |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                            | Natural convection causes the temperature to drop inside the enclosure. Simple solutions for this case include installing grilles (without filter) or lifting the top.            | Fans with filters are designed to evacuate a large amount of heat economically.                                                                                                                                                                                 | Air-air exchangers are equipped with an aluminium exchange cassette which separates the internal and external air circuits and prevents the entry of dust.                                                                                                                     |
| When should it be used?                                    | This solution can only be used when the power to be dissipated is low, in an environment with small amounts of dust.                                                              | When larger amounts of heat need to be evacuated in a polluted environment.                                                                                                                                                                                     | The air-air exchangers are used in highly polluted environments or when it is necessary to evacuate large amounts of heat while guaranteeing the independence of the internal and external air circuits. It is important to have a difference of temperature of at least 10°C. |
| Ta: Ambient temperature<br>Td: Desired temperature         | <br><b>Ta &lt; Td</b>                                                                                                                                                             | <br><b>Ta &lt; Td</b>                                                                                                                                                                                                                                           | <br><b>Ta &lt; Td</b>                                                                                                                                                                                                                                                          |
| The internal and external air circuits must be independent | <br><b>No</b>                                                                                                                                                                     | <br><b>No</b>                                                                                                                                                                                                                                                   | <br><b>Yes</b>                                                                                                                                                                                                                                                                 |
| Advantages                                                 | <ul style="list-style-type: none"> <li>■ Economic solution.</li> <li>■ No maintenance.</li> <li>■ Quick and easy installation.</li> </ul>                                         | <ul style="list-style-type: none"> <li>■ Economic solution.</li> <li>■ Easy maintenance.</li> <li>■ Quick and easy installation.</li> <li>■ Even temperature inside the enclosure.</li> <li>■ High protection rating: IP54 or IP55.</li> </ul>                  | <ul style="list-style-type: none"> <li>■ The internal and external air circuits are independent.</li> <li>■ Easy maintenance.</li> <li>■ High protection rating: IP55.</li> </ul>                                                                                              |
| Disadvantages                                              | <ul style="list-style-type: none"> <li>■ Small amount of heat evacuated.</li> <li>■ Reduction of the IP protection rating.</li> <li>■ Risk of entry of dust particles.</li> </ul> | <ul style="list-style-type: none"> <li>■ The temperature inside the enclosure is always higher than the external temperature.</li> <li>■ The internal and external air circuits are in contact.</li> <li>■ Maintenance required: filter replacement.</li> </ul> | <ul style="list-style-type: none"> <li>■ The temperature inside the enclosure is always higher than the external temperature.</li> </ul>                                                                                                                                       |
| Solutions                                                  | <br>Ventilation devices                                                                                                                                                           | <br>Fans and outlet grilles                                                                                                                                                                                                                                     | <br>Air-air exchangers                                                                                                                                                                                                                                                         |



|  | Air-water exchanger                                                                                                                                                                                                                                                                                                             | Cooling                                                                                                                                                                                                                                       | Heating                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>Air-water exchangers reduce the temperature inside the enclosure by means of a water-cooled exchange cassette. Temperature control inside the enclosure is performed by a thermostat which opens and closes an electro-valve.</p>                                                                                            | <p>Air-conditioning device providing efficient cooling of the enclosure, regardless of the outside air, and prevention against hot spots.</p>                                                                                                 | <p>The resistance heaters prevent the formation of condensation and guarantee the ideal temperature for the correct operation of the electronic components.</p>                                                                                                                                                                                                                                                                                                                                             |
|  | <p>The air-water exchangers are used to evacuate large amounts of heat. They require a cold-water circuit with stable temperature and flow rate. They are specially recommended in difficult, highly polluted environments where there is no external air circuit.</p>                                                          | <p>The cooling units can be used in the harshest environments, where the temperature can reach up to 55°C. These devices control the temperature inside the enclosure and include an alarm function for signalling operational anomalies.</p> | <p>The resistance heaters are used to reheat the electrical switchboard when the ambient temperature is too low or to prevent the formation of condensation.</p>                                                                                                                                                                                                                                                                                                                                            |
|  | <p><b>Ta &gt; Td</b></p>                                                                                                                                                                                                                                                                                                        | <p><b>Ta &gt; Td</b></p>                                                                                                                                                                                                                      | <p><b>Ta &lt; Td</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|  | <p><b>Yes</b></p>                                                                                                                                                                                                                                                                                                               | <p><b>Yes</b></p>                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|  | <ul style="list-style-type: none"> <li>■ The temperature inside the enclosure does not depend on the external temperature.</li> <li>■ The internal and external air circuits are independent.</li> <li>■ Security device against possible leaks.</li> <li>■ High protection rating: IP55 or IP54 according to model.</li> </ul> | <ul style="list-style-type: none"> <li>■ Even temperature inside the enclosure.</li> <li>■ High protection rating: IP55 or IP54 according to model.</li> <li>■ Use of an environmentally friendly gas.</li> </ul>                             | <ul style="list-style-type: none"> <li>■ Small dimensions.</li> <li>■ Available in 3 versions:                             <ul style="list-style-type: none"> <li><input type="checkbox"/> insulated with low surface temperature,</li> <li><input type="checkbox"/> in aluminium when the surface temperature is limited to 75°C,</li> <li><input type="checkbox"/> ultra thin heaters.</li> </ul> </li> <li>■ The fan-equipped resistances guarantee an even temperature inside the enclosure.</li> </ul> |
|  | <ul style="list-style-type: none"> <li>■ A cold-water supply source is required.</li> <li>■ Specific pumping installation.</li> </ul>                                                                                                                                                                                           | <ul style="list-style-type: none"> <li>■ Installation of a drain is recommended.</li> <li>■ Maintenance required: filter replacement.</li> </ul>                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|  | <p>Air-water exchangers</p>                                                                                                                                                                                                                                                                                                     | <p>Cooling units</p>                                                                                                                                                                                                                          | <p>Resistance heaters</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

**> Large range of fans:**

flow rate efficiency, high protection rating, quick installation and easier maintenance to secure all the applications.

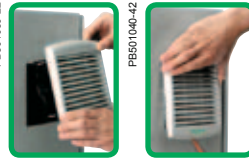


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FB501021-80

### Ventilation Systems



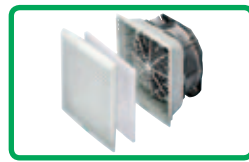
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PB501040-42

#### Easy installation

##### Quick installation

- Safe, reliable fixing with the assisted fixing device and the system of multi-thickness fixing-clips.
- Fixing also possible using screws.
- Easy to invert.
- To operate as extractors, all the motors can be inverted by simply removing four screws.

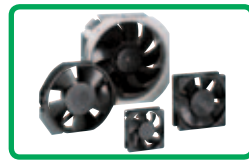


PB501041-27

#### Easy maintenance

##### Quick filter replacement

Quick, easy and safe replacement of the filter installed in the fan, even during operation.



PB501042-28

#### Quality of the components

##### Selection of the motors

- Improved flow rate and longer service life.
- Large range of input voltages available on all the motors delivered as standard, with alternating 50/60 Hz or direct current.



DB123816-26

#### Ventilation offer

With homologation UL available.

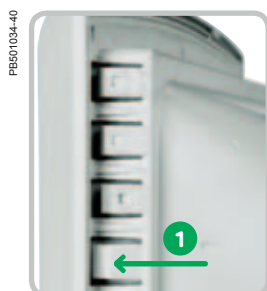


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#### Optimised flow rate: average increase of 50 %

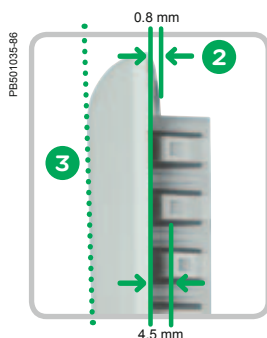
- Maximum use of surface.
- Minimum loss of pressure.

### High protection rating: IP54 as standard



#### 1 - Fixing guide

- To centre the body of the fan on the wall of enclosure.
- To correct machining faults.
- To facilitate the correct operation of the fixing "clips".

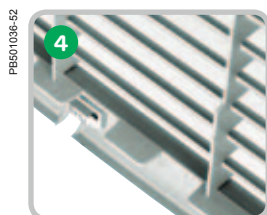


#### 2 - Multi-thickness fixing-clips

- To guarantee easy and reliable fixing of the ventilation system.
- With a thickness of 0.8 to 4.5 mm, with no fixings.

#### 3 - Inclined profile of the grille

- To protect the filter against vertical spraying:
  - each slat is protected by the slat above it,
  - the external dimensions remain small.



#### 4 - IP54-55

A patented system allows the evacuation of water absorbed by the filter, in particular during high-pressure spraying.



#### 5 - Hot-fitted sealing gasket

The polyurethane gasket, hot cast, guarantees a long-lasting seal.



#### 6 - Effective system for retaining the filter

The system for holding the synthetic filter in the cavity of the filter holder guarantees a protection rating of IP54, in the most difficult conditions.

### Ventilation Systems

#### Forced ventilation

#### Characteristics

Material

Colour

Conditions of use

Ingress protection rating

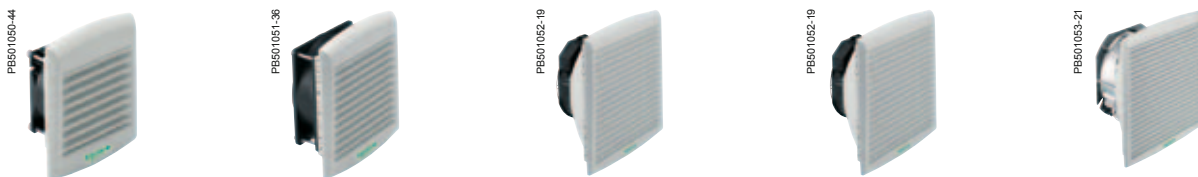
Installation

Options

| Free flow rate with standard filter (m <sup>3</sup> /h) | Flow rate with outlet grille(s) (m <sup>3</sup> /h) |                            | Voltage range (nominal voltage) | Absorbed power (max. intensity) | Noise level  | External dimensions (cut-out)    | Weight   | Operating temperature | Max. static pressure |
|---------------------------------------------------------|-----------------------------------------------------|----------------------------|---------------------------------|---------------------------------|--------------|----------------------------------|----------|-----------------------|----------------------|
|                                                         | 1                                                   | 2                          |                                 |                                 |              |                                  |          |                       |                      |
| 38 (50 Hz)<br>39 (60 Hz)                                | 25 (50 Hz)<br>26 (60 Hz)                            | 33 (50 Hz)                 | 150 V...250 V<br>(230 V)        | 4.5/4.8 W<br>(0.16/0.17 A)      | 40/41 dB (A) | 137 x 117 x 49<br>(92 x 92)      | 0.220 kg | -10...+70°C           | 29 Pa                |
| 38 (50 Hz)<br>39 (60 Hz)                                | 27 (50 Hz)<br>28 (60 Hz)                            | 35 (50 Hz)                 | 75 V...125 V<br>(115 V)         | 3.3/3.5 W<br>(0.16/0.16 A)      | 40/41 dB (A) | 137 x 117 x 49<br>(92 x 92)      | 0.220 kg | -10...+70°C           | 29 Pa                |
| 58                                                      | 39                                                  | 47 (50 Hz)                 | 10 V...27.6 V<br>(24 V DC)      | 3.6 W<br>(0.18 A)               | 40/41 dB (A) | 137 x 117 x 49<br>(92 x 92)      | 0.230 kg | -10...+70°C           | 29 Pa                |
| 44                                                      | 34                                                  | 41 (50 Hz)                 | 36 V...56 V<br>(48 V DC)        | 3.6 W<br>(70 mA)                | 40/41 dB (A) | 137 x 117 x 49<br>(92 x 92)      | 0.230 kg | -10...+70°C           | 29 Pa                |
| 85 (50 Hz)<br>98 (60 Hz)                                | 63 (50 Hz)<br>72 (60 Hz)                            | 71 (50 Hz)                 | 175 V...253 V<br>(230 V)        | 17/15 W<br>(0.121/0.097 A)      | 46/49 dB (A) | 170 x 150 x 62<br>(125)          | 0.780 kg | -20...+60°C           | 50 Pa                |
| 79 (50 Hz)<br>92 (60 Hz)                                | 65 (50 Hz)<br>74 (60 Hz)                            | 73 (50 Hz)                 | 75 V...126 V<br>(115 V)         | 16/15 W<br>(0.207/0.179 A)      | 46/49 dB (A) | 170 x 150 x 62<br>(125)          | 0.780 kg | -20...+60°C           | 50 Pa                |
| 80                                                      | 57                                                  | 77 (50 Hz)                 | 10 V...27.6 V<br>(24 V DC)      | 7.6 W<br>(0.30 A)               | 46/49 dB (A) | 170 x 150 x 62<br>(125)          | 0.480 kg | -10...+70°C           | 50 Pa                |
| 79                                                      | 59                                                  | 68 (50 Hz)                 | 25 V...55.2 V<br>(48 V DC)      | 8 W<br>(0.173 A)                | 46/49 dB (A) | 170 x 150 x 62<br>(125)          | 0.480 kg | -10...+70°C           | 50 Pa                |
| 165 (50 Hz)<br>193 (60 Hz)                              | 153 (50 Hz)<br>171 (60 Hz)                          | 161 (50 Hz)<br>175 (60 Hz) | 175 V...253 V<br>(230 V)        | 16.3/14.3 W<br>(0.12/0.94 A)    | 50/51 dB (A) | 268 x 248 x 104<br>(223 x 223)   | 1.140 kg | -20...+60°C           | 50 Pa                |
| 164 (50 Hz)<br>193 (60 Hz)                              | 153 (50 Hz)<br>171 (60 Hz)                          | 161 (50 Hz)<br>179 (60 Hz) | 75 V...126 V<br>(115 V)         | 15.5/14.4 W<br>(0.20/0.18 A)    | 50/51 dB (A) | 268 x 248 x 104<br>(223 x 223)   | 1.140 kg | -20...+60°C           | 50 Pa                |
| 188                                                     | 171                                                 | 179                        | 10 V...27.6 V<br>(24 V DC)      | 8 W<br>(0.3 A)                  | 50/51 dB (A) | 268 x 248 x 104<br>(223 x 223)   | 0.810 kg | -10...+70°C           | 50 Pa                |
| 193                                                     | 171                                                 | 179                        | 25 V...55.2 V<br>(48 V DC)      | 8.7 W<br>(0.18 A)               | 50/51 dB (A) | 268 x 248 x 104<br>(223 x 223)   | 0.810 kg | -10...+70°C           | 50 Pa                |
| 302 (50 Hz)<br>350 (60 Hz)                              | 260 (50 Hz)<br>307 (60 Hz)                          | 268 (50 Hz)                | 145 V...253 V<br>(230 V)        | 36/37 W<br>(0.17/0.16 A)        | 55/56 dB (A) | 268 x 248 x 116<br>(223 x 223)   | 1.3 kg   | -10...+70°C           | 158 Pa               |
| 302 (50 Hz)<br>350 (60 Hz)                              | 263 (50 Hz)<br>307 (60 Hz)                          | 271 (50 Hz)                | 75 V...126 V<br>(115 V)         | 36/36 W<br>(0.35/0.32 A)        | 55/56 dB (A) | 268 x 248 x 116<br>(223 x 223)   | 1.3 kg   | -10...+70°C           | 158 Pa               |
| 262                                                     | 221                                                 | 229 (50 Hz)                | 12 V...30 V<br>(24 V DC)        | 13 W<br>(0.53 A)                | 55/56 dB (A) | 268 x 248 x 103.4<br>(223 x 223) | 1.1 kg   | -10...+70°C           | 158 Pa               |
| 247                                                     | 210                                                 | 218 (50 Hz)                | 25 V...60 V<br>(48 V DC)        | 11 W<br>(0.24 A)                | 55/56 dB (A) | 268 x 248 x 103.4<br>(223 x 223) | 1.1 kg   | -10...+70°C           | 158 Pa               |
| 562 (50 Hz)<br>586 (60 Hz)                              | 473 (50 Hz)<br>477 (60 Hz)                          | 481 (50 Hz)                | 207 V...244 V<br>(230 V)        | 68/85 W<br>(0.52/0.370 A)       | 59/59 dB (A) | 336 x 316 x 161<br>(291 x 291)   | 3.2 kg   | -15...+60°C           | 140 Pa               |
| 582 (50 Hz)<br>586 (60 Hz)                              | 485 (50 Hz)<br>477 (60 Hz)                          | 494 (50 Hz)                | 103 V...122 V<br>(115 V)        | 65/83 W<br>(0.60/0.72 A)        | 59/59 dB (A) | 336 x 316 x 161<br>(291 x 291)   | 3.2 kg   | -15...+60°C           | 140 Pa               |
| 838 (50 Hz)<br>803 (60 Hz)                              | 718 (50 Hz)<br>568 (60 Hz)                          | 728 (50 Hz)                | 207 V...244 V<br>(230 V)        | 150/195 W<br>(0.65/0.85 A)      | 76/75 dB (A) | 336 x 316 x 162<br>(291 x 291)   | 4.1 kg   | -15...+60°C           | 170 Pa               |
| 983 (50 Hz)<br>944 (60 Hz)                              | 843 (50 Hz)<br>642 (60 Hz)                          | 854 (50 Hz)                | 103 V...122 V<br>(115 V)        | 145/182 W<br>(1.279/1.6 A)      | 78/77 dB (A) | 336 x 316 x 162<br>(291 x 291)   | 4.1 kg   | -15...+60°C           | 170 Pa               |
| 931 (50 Hz)<br>803 (60 Hz)                              | 798 (50 Hz)<br>568 (60 Hz)                          | 809 (50 Hz)                | 396 V...466 V<br>(400 V)        | 126/126 W<br>(0.226/0.232 A)    | 77/75 dB (A) | 336 x 316 x 162<br>(291 x 291)   | 4.1 kg   | -15...+60°C           | 170 Pa               |

# Thermal management system

## Characteristics



| Forced ventilation fan<br>38 m³/h | Forced ventilation fan<br>85 m³/h | Forced ventilation fan<br>165 m³/h | Forced ventilation fan<br>300 m³/h | Forced ventilation fan<br>560-850 m³/h |
|-----------------------------------|-----------------------------------|------------------------------------|------------------------------------|----------------------------------------|
|-----------------------------------|-----------------------------------|------------------------------------|------------------------------------|----------------------------------------|

The fans comprise an axial motor, a protective housing on the front and rear surfaces and a filter designed to retain dust particles. This filter can be replaced during operation without risk of contact with the rotating element.

Injected thermoplastic (ASA PC), self-extinguishing according to UL 94 V-0

RAL 7035 as standard, with the option of RAL 7032

- The outside temperature (Te) must be 5°C lower than the desired temperature (Ts) inside the enclosure
- The filters that equip the fans must be cleaned and replaced regularly
- The surrounding environment must be relatively clean and overfrequent filter replacement should be avoided
- Bear in mind the pressure losses caused by the outlet element (grille with filter, ventilation louvre or simple opening) when determining the fan flow rate
- Storage Temperature: -40...+ 70°C

IP54

The cut-out template supplied with the device avoids the need for marking and protects the surface of the enclosure during handling

The device can be equipped with a filter that provides even more efficient protection for your sensitive facilities against dust particles

### References

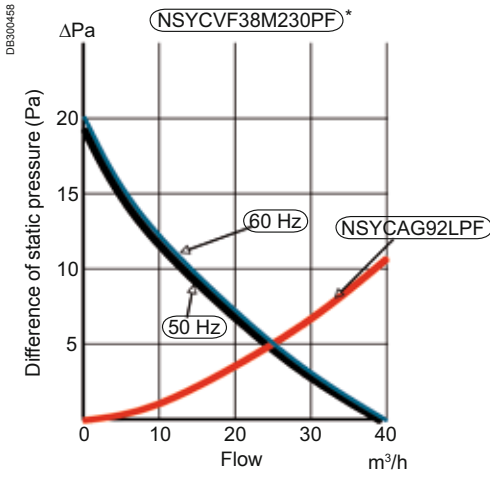
|                 |                |                 |                 |                 |
|-----------------|----------------|-----------------|-----------------|-----------------|
| NSYCVF38M230PF* | -              | -               | -               | -               |
| NSYCVF38M115PF* | -              | -               | -               | -               |
| NSYCVF38M24DPF  | -              | -               | -               | -               |
| NSYCVF38M48DPF  | -              | -               | -               | -               |
| -               | NSYCVF85M230PF | -               | -               | -               |
| -               | NSYCVF85M115PF | -               | -               | -               |
| -               | NSYCVF85M24DPF | -               | -               | -               |
| -               | NSYCVF85M48DPF | -               | -               | -               |
| -               | -              | NSYCVF165M230PF | -               | -               |
| -               | -              | NSYCVF165M115PF | -               | -               |
| -               | -              | NSYCVF165M24DPF | -               | -               |
| -               | -              | NSYCVF165M48DPF | -               | -               |
| -               | -              | -               | NSYCVF300M230PF | -               |
| -               | -              | -               | NSYCVF300M115PF | -               |
| -               | -              | -               | NSYCVF300M24DPF | -               |
| -               | -              | -               | NSYCVF300M48DPF | -               |
| -               | -              | -               | -               | NSYCVF560M230PF |
| -               | -              | -               | -               | NSYCVF560M115PF |
| -               | -              | -               | -               | NSYCVF850M230PF |
| -               | -              | -               | -               | NSYCVF850M115PF |
| -               | -              | -               | -               | NSYCVF850M400PF |

\* Warning: the fan NSYCVF38M230PF & NSYCVF38M115PF MUST NOT be connected to a power conversion module, an inverter or UPS type of power supply!

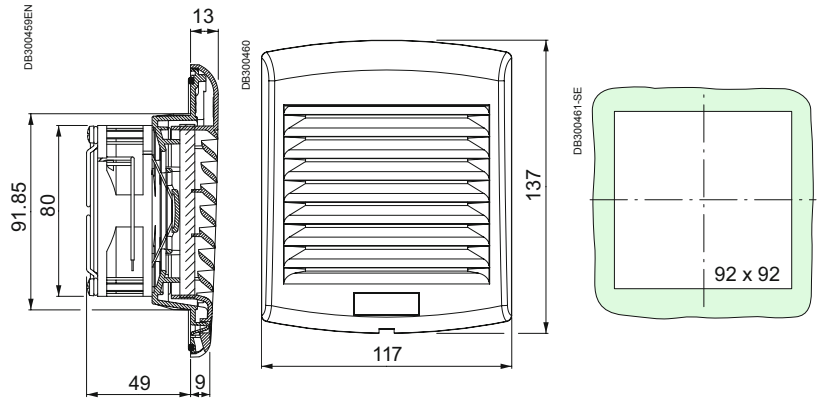
### Fan 38 m<sup>3</sup>/h

#### Dimensions

#### Flow curves



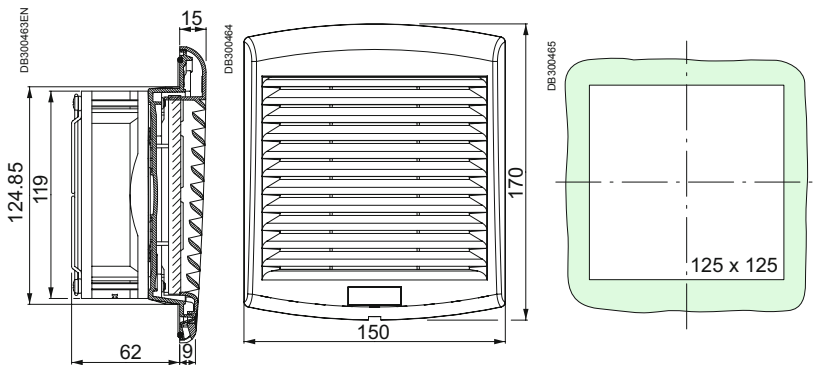
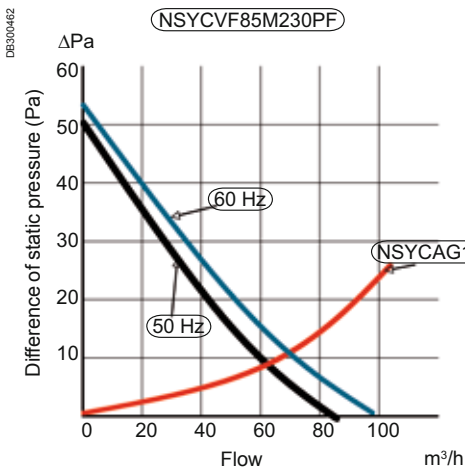
\* Warning: the fan NSYCVF38M230PF MUST NOT be connected to a power conversion module, an inverter or UPS type of power supply!



### Fan 85 m<sup>3</sup>/h

#### Dimensions

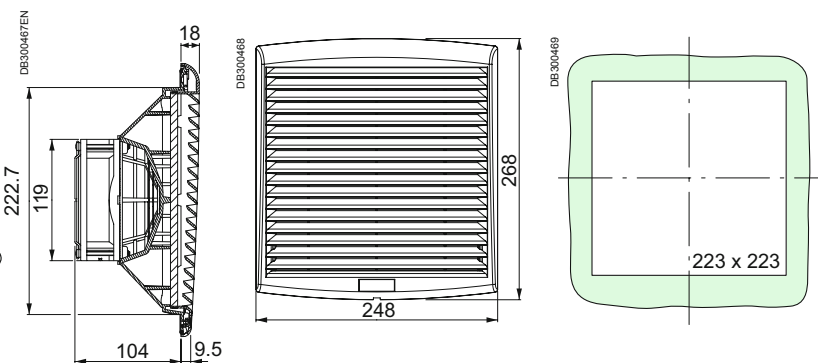
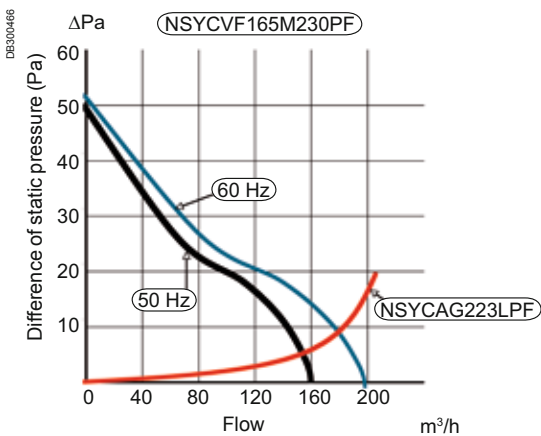
#### Flow curves



### Fan 165 m<sup>3</sup>/h

#### Dimensions

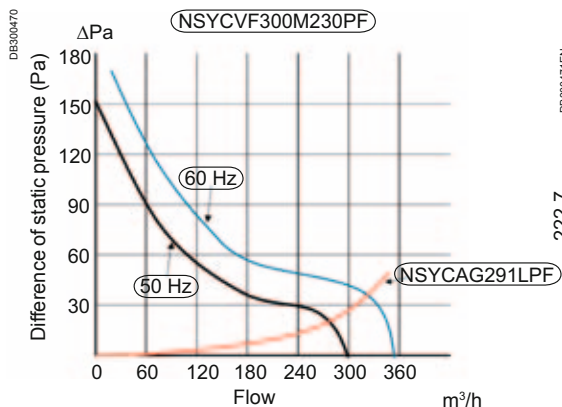
#### Flow curves



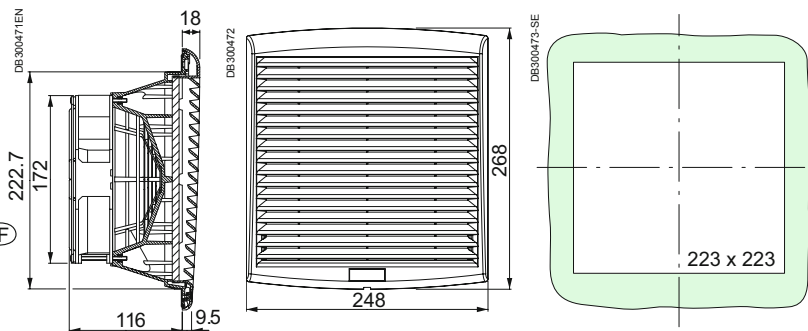


### Fan 300 m<sup>3</sup>/h

#### Flow curves

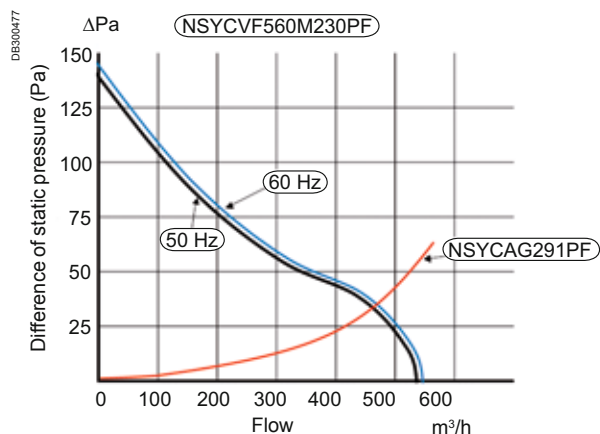


#### Dimensions



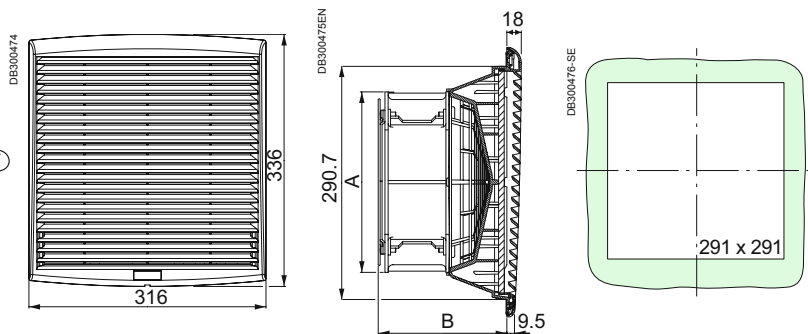
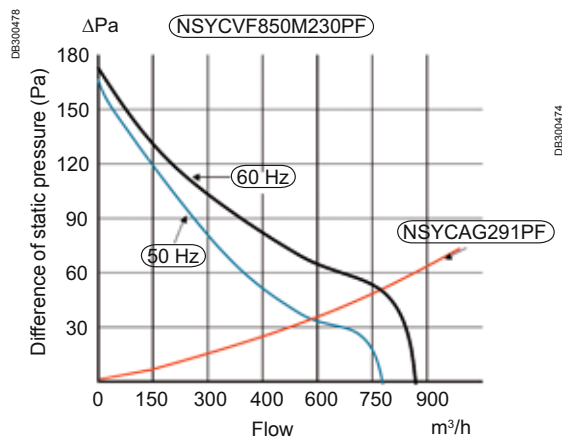
### Fan 560-850 m<sup>3</sup>/h

#### Flow curves



#### Dimensions

| A   | B     | References                         |
|-----|-------|------------------------------------|
| 225 | 160.5 | NSYCVF560M230PF<br>NSYCVF560M115PF |
| 280 | 162   | NSYCVF850M230PF<br>NSYCVF850M115PF |



### Ventilation Systems

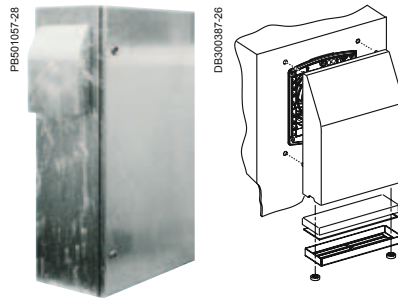


RAL 7035



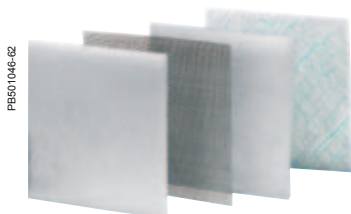
RAL 7032

| Characteristics           |            |            |              | IP54 outlet grilles                                                    |                                                                                             |
|---------------------------|------------|------------|--------------|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
|                           |            |            |              | Delivered with G2 M1 synthetic standard filter.                        | External part of the grille (for fan or outlet grille) for changing the colour to RAL 7032. |
| Material                  |            |            |              | Injected thermoplastic (ASA PC), self-extinguishing according to UL 94 | Injected thermoplastic (ASA PC), self-extinguishing according to UL 94                      |
| Colour                    |            |            |              | RAL 7035                                                               | RAL 7032                                                                                    |
| Ingress protection rating |            |            |              | IP54                                                                   | IP54                                                                                        |
| Height (mm)               | Width (mm) | Depth (mm) | Cut-out (mm) | References                                                             |                                                                                             |
| 137                       | 117        | 13         | 92 x 92      | NSYCAG92LPPF                                                           | NSYCAG92LPC                                                                                 |
| 170                       | 150        | 15         | 125 x 125    | NSYCAG125LPPF                                                          | NSYCAG125LPC                                                                                |
| 268                       | 248        | 18         | 223 x 223    | NSYCAG223LPPF                                                          | NSYCAG223LPC                                                                                |
| 336                       | 316        | 18         | 291 x 291    | NSYCAG291LPPF                                                          | NSYCAG291LPC                                                                                |

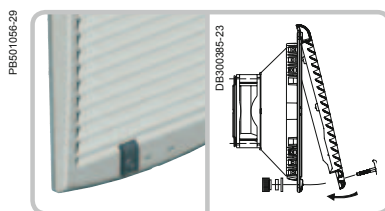


| Characteristics              |                      |                 |           | Covers IP55                                                                                                                                                                                                                                                                                                                                        | Spare filter for cover | Fan             | Grille          |               |
|------------------------------|----------------------|-----------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------|-----------------|---------------|
|                              |                      |                 |           | This solution protects the fan or the grille from any direct sprays. The cover is the preferred solution to guarantee the following: <ul style="list-style-type: none"> <li>□ an efficient air flow for cooling,</li> <li>□ IP55 rating.</li> </ul>                                                                                                | -                      | -               | -               |               |
| Material                     |                      |                 |           | 2 materials available: <ul style="list-style-type: none"> <li>□ sheet-steel painted with epoxy-polyester resin (RAL 7035) for outdoor applications</li> <li>□ stainless-steel 304L for food and beverage applications</li> </ul>                                                                                                                   | -                      | -               | -               |               |
| Ingress protection rating    |                      |                 |           | IP55                                                                                                                                                                                                                                                                                                                                               | -                      | -               | -               |               |
| Mechanical protection rating |                      |                 |           | IK10                                                                                                                                                                                                                                                                                                                                               | -                      | -               | -               |               |
| Certifications               |                      |                 |           | UL                                                                                                                                                                                                                                                                                                                                                 | -                      | -               | -               |               |
| Installation                 |                      |                 |           | Double insulation maintained if installed in an insulated enclosure. The cover is placed over the fan or the grille with a filter located at the bottom of the cover to prevent the entry of particles. Easy access to the filter: only two screws needed. When mounting: remove the external part of the fan or the grille as well as the filter. | -                      | -               | -               |               |
| Supply                       |                      |                 |           | It is necessary to order 1 fan + 1 grille + 2 covers to have a complete system                                                                                                                                                                                                                                                                     | -                      | -               | -               |               |
| Flow rate (m³/h)* with cover |                      | Dimensions (mm) |           | References                                                                                                                                                                                                                                                                                                                                         |                        |                 |                 |               |
| Free                         | With 1 outlet grille | External        | Cut-out   | Sheet-steel painted for outdoor applications RAL 7035                                                                                                                                                                                                                                                                                              | Stainless-steel 304    | Emb. mineur 5 p | RAL 7035        | RAL 7035      |
| 74                           | 53                   | 240 x 180 x 60  | 125 x 125 | NSYCAP125LZF                                                                                                                                                                                                                                                                                                                                       | NSYCAP125LXF           | NSYCAF125L55    | NSYCVF85M230PF  | NSYCAG125LPPF |
| 110                          | 82                   | 350 x 305 x 80  | 223 x 223 | NSYCAP223LZF                                                                                                                                                                                                                                                                                                                                       | NSYCAP223LXF           | NSYCAF223L55    | NSYCVF165M230PF | NSYCAG223LPPF |
| 165                          | 123                  | 350 x 305 x 80  | 223 x 223 | NSYCAP223LZF                                                                                                                                                                                                                                                                                                                                       | NSYCAP223LXF           | NSYCAF223L55    | NSYCVF300M230PF | NSYCAG223LPPF |
| 316                          | 265                  | 430 x 373 x 105 | 291 x 291 | NSYCAP291LZF                                                                                                                                                                                                                                                                                                                                       | NSYCAP291LXF           | NSYCAF291L55    | NSYCVF560M230PF | NSYCAG291LPPF |
| 502                          | 430                  | 430 x 373 x 105 | 291 x 291 | NSYCAP291LZF                                                                                                                                                                                                                                                                                                                                       | NSYCAP291LXF           | NSYCAF291L55    | NSYCVF850M230PF | NSYCAG291LPPF |

\* The impact on the flow rates of the fans supplied with the other voltages is similar to those provided by the 230 V fans.



| Filters                          |            |                                       |            |                              |            |                                     |            |
|----------------------------------|------------|---------------------------------------|------------|------------------------------|------------|-------------------------------------|------------|
| G2 M1 synthetic standard filters |            | Filters for greasy environments G2 M1 |            | G3 M1 synthetic fine filters |            | Stainless-steel anti-insect filters |            |
| For fans and grilles.            |            |                                       |            |                              |            |                                     |            |
| -                                |            |                                       |            |                              |            |                                     |            |
| -                                |            |                                       |            |                              |            |                                     |            |
| -                                |            |                                       |            |                              |            |                                     |            |
| Pack.                            | References | Pack.                                 | References | Pack.                        | References | Pack.                               | References |
| 5                                | NSYCAF92   | -                                     | -          | -                            | -          | 1                                   | NSYCAF92M  |
| 5                                | NSYCAF125  | 5                                     | NSYCAF125O | 5                            | NSYCAF125T | 1                                   | NSYCAF125M |
| 5                                | NSYCAF223  | 5                                     | NSYCAF223O | 5                            | NSYCAF223T | 1                                   | NSYCAF223M |
| 5                                | NSYCAF291  | 5                                     | NSYCAF291O | 5                            | NSYCAF291T | 1                                   | NSYCAF291M |



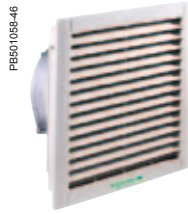
| Characteristics | Anti-vandalism kit                                                                                                                           |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------|
|                 | Prevents the grille from being opened from the outside. The unlocking thumbwheel is accessed from the inside of the wall-mounting enclosure. |
| Colour          | RAL 7011 (same material as the grille: ASA PC)                                                                                               |
| Minor packaging | Reference                                                                                                                                    |
| 2               | NSYCAAPV                                                                                                                                     |

## HD Ventilation Systems

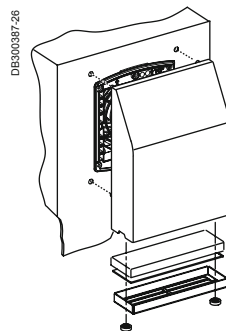
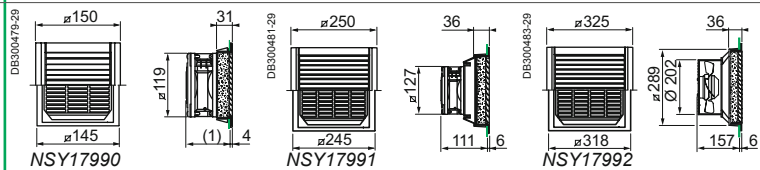


| Characteristics | Fanbox         | Filter           | Roof filter for fanbox | IP55 HD Metal Grille | Anti-vandalism kit for HD metal grille |
|-----------------|----------------|------------------|------------------------|----------------------|----------------------------------------|
| See page        | 341            | 341              | 341                    | 341                  | 341                                    |
|                 | <b>Voltage</b> | <b>Reference</b> | <b>Reference</b>       | <b>Reference</b>     | <b>Reference</b>                       |
|                 | 24 V DC        | NSYCVF550M24FB   | NSYCAF223T             | NSYCAF190            | NSYCAAPVHD                             |
|                 | 115 V AC       | NSYCVF550M115FB  |                        | NSYCAAG223LFHD       |                                        |
|                 | 230 V AC       | NSYCVF550M230FB  |                        |                      |                                        |

### EMC ventilation Systems



| Characteristics                 |                     |                         |                    | EMC IP54 fan                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------|---------------------|-------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ingress protection rating       |                     |                         |                    | IP54                                                                                                                                                                                                                                                                                                                                                                                                                              |
| References                      |                     |                         |                    | To effectively protect the equipment against electromagnetic disruptions, the EMC fan is equipped with: <ul style="list-style-type: none"> <li>□ a steel frame covering the plastic elements (self-extinguishing ABS according to standard UL94 V0),</li> <li>□ a metal grille attached to the frame,</li> <li>□ a beryllium gasket guaranteeing conductivity between the perimeter of the fan unit and the enclosure.</li> </ul> |
| <b>External dimensions (mm)</b> | <b>Cut-out (mm)</b> | <b>Flow rate (m³/h)</b> | <b>Voltage (V)</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 150 x 150 x 36                  | 125 x 125           | 56                      | 230                | <b>NSY17990</b>                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 250 x 250 x 36                  | 223 x 223           | 130                     | 230                | <b>NSY17991</b>                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 325 x 325 x 36                  | 291 x 291           | 460                     | 230                | <b>NSY17992</b>                                                                                                                                                                                                                                                                                                                                                                                                                   |



| Characteristics                     |                             |                        |                | EMC IP55 cover                                                     |
|-------------------------------------|-----------------------------|------------------------|----------------|--------------------------------------------------------------------|
| Colour                              |                             |                        |                | RAL 7035 grey                                                      |
| Ingress protection rating           |                             |                        |                | IP55                                                               |
| Mechanical protection rating        |                             |                        |                | IK10                                                               |
| Certifications                      |                             |                        |                | Absorption curve according to standard IEEE 299 1997 (UNE 50147-1) |
| <b>Flow rate (m³/h)* with cover</b> |                             | <b>Dimensions (mm)</b> |                | <b>References</b>                                                  |
| <b>Free</b>                         | <b>With 1 outlet grille</b> | <b>External</b>        | <b>Cut-out</b> | <b>Sheet-steel painted for outdoor applications RAL 7035</b>       |
| 74                                  | 53                          | 240 x 180 x 60         | 125 x 125      | <b>NSYCAP125LE</b>                                                 |
| 110                                 | 82                          | 350 x 305 x 80         | 223 x 223      | <b>NSYCAP223LE</b>                                                 |
| 165                                 | 123                         | 350 x 305 x 80         | 223 x 223      | <b>NSYCAP223LE</b>                                                 |
| 316                                 | 265                         | 430 x 373 x 105        | 291 x 291      | <b>NSYCAP291LE</b>                                                 |
| 502                                 | 430                         | 430 x 373 x 105        | 291 x 291      | <b>NSYCAP291LE</b>                                                 |

\* The impact on the flow rates of the fans with different voltages is similar to the impact of the 230 V fans.



### EMC IP54 outlet grille

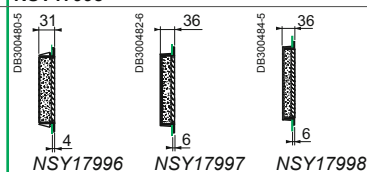
- Grille equipped with:
- a steel frame covering the plastic elements (self-extinguishing ABS according to standard UL 94 V-0),
  - a metal grille attached to the frame,
  - a beryllium gasket guaranteeing conductivity between the perimeter of the grille and the enclosure.

IP54

NSY17996

NSY17997

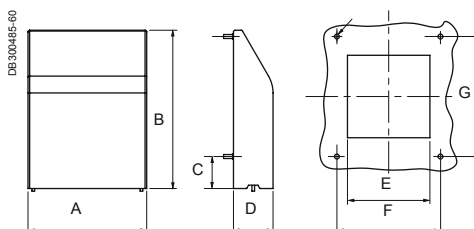
NSY17998



### Dimensions of IP54 and EMC covers

| Spare filter for cover | Fan             | Grille       |
|------------------------|-----------------|--------------|
| Minor pack. 5 p        | RAL 7035        | RAL 7035     |
| NSYCAF125L55           | NSYCVF85M230PF  | NSYCAG125LPF |
| NSYCAF223L55           | NSYCVF165M230PF | NSYCAG223LPF |
| NSYCAF223L55           | NSYCVF300M230PF | NSYCAG223LPF |
| NSYCAF291L55           | NSYCVF560M230PF | NSYCAG291LPF |
| NSYCAF291L55           | NSYCVF850M230PF | NSYCAG291LPF |

| Dimensions (mm) |     |    |     |     |     |     |                      | Cover references |              |             |
|-----------------|-----|----|-----|-----|-----|-----|----------------------|------------------|--------------|-------------|
| A               | B   | C  | D   | E   | F   | G   | No. of fixing points | IP55             |              | EMC         |
| 180             | 240 | 49 | 60  | 125 | 157 | 182 | 4                    | NSYCAP125LZF     | NSYCAP125LXF | NSYCAP125LE |
| 305             | 350 | 61 | 80  | 223 | 283 | 280 | 8                    | NSYCAP223LZF     | NSYCAP223LXF | NSYCAP223LE |
| 373             | 430 | 73 | 105 | 291 | 351 | 348 | 8                    | NSYCAP291LZF     | NSYCAP291LXF | NSYCAP291LE |



## Fans by components



### Fans

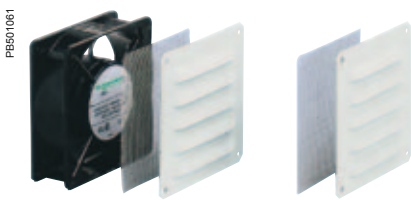
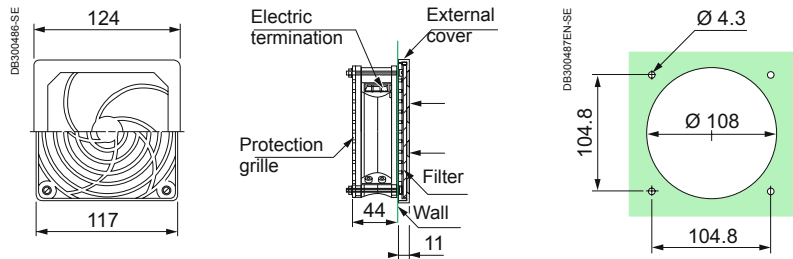
Free flow without filter or grille: 170 m<sup>3</sup>/h.

Two models according to the input voltage: 230 and 115 V, 50-60 Hz.

- **Ingress protection rating:** IP20.
- **Options:** IP20 outlet grille (ABS, black) and filter (black polyurethane foam).

| Voltage (V) | Flow rate (m <sup>3</sup> /h) | References     |
|-------------|-------------------------------|----------------|
| 115         | 65                            | NSYCVF65M115PF |
| 230         | 65                            | NSYCVF65M230PF |

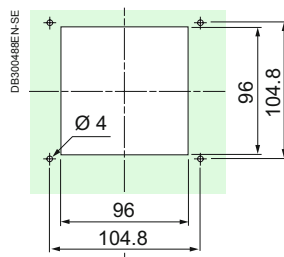
| Accessories       |               |             |
|-------------------|---------------|-------------|
| Dimensions (mm)   | Description   | References  |
| 124 x 124 x 11 mm | Outlet grille | NSYCAF108LP |
| -                 | Filter        | NSYCAF108   |



### Ventilation kit

- **Ingress protection rating:** IP33.
- **Mechanical protection rating:** IK10.
- **Overall flow rate:** 54 m<sup>3</sup>/h.
- **Supply:**
  - one 120 x 120 x 38 mm fan, 230 V - 50/60 Hz, free flow rate 170 m<sup>3</sup>/h, IP33/IK10,
  - two 120 x 120 mm metal louvres, RAL 7035,
  - two 115 x 98 mm anti-insect grilles, stainless-steel 304L wire Ø 0.32 mm braided, 1.07-mm meshes,
  - a power cord,
  - the fixings required for installation.

| Voltage (V) | Flow rate (m <sup>3</sup> /h) | Reference       |
|-------------|-------------------------------|-----------------|
| 230         | 54                            | NSYCVF54M230MM2 |



### Top hood with fan

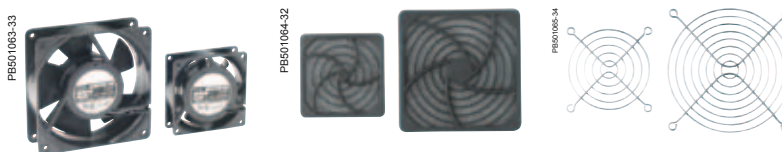
Fan with hood, for floor-standing enclosures. A flow rate of 350 m<sup>3</sup>/h is obtained with an outlet grille ref. **NSYCVF575M230MF** / **NSYCVF570M115MF**.

- **Ingress protection rating:** IP54
- **Installation:** installation and removal from the outside.
- **Electric power:** 85 W.
- **Noise level:** 64 dB (A).
- **Supply:** delivered with fixings and connection terminal block.

| Voltage (V) | Flow rate* (m <sup>3</sup> /h) | Weight (kg) | References      |
|-------------|--------------------------------|-------------|-----------------|
| 115         | 570                            | 5.8         | NSYCVF570M115MF |
| 230         | 575                            | 5.8         | NSYCVF575M230MF |

\* Flow rate measured without counter-pressure.

### Fans by components



| Characteristics  |             |                    |                  |                          | Fan motor                                          | Outlet grille                                                                                                       | Rear protective grille                                                                                            |
|------------------|-------------|--------------------|------------------|--------------------------|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
|                  |             |                    |                  |                          | Turbine-type fan motor for ventilation/extraction. | Outlet filter kit for enclosure ventilation.<br>For coupling to fans <b>NSYCVF156M●●●</b> and <b>NSYCVF35M●●●</b> . | Protective grille for enclosure fan motor.<br>For coupling to fans <b>NSYCVF156M●●●</b> and <b>NSYCVF35M●●●</b> . |
| Flow rate (m³/h) | Voltage (V) | Absorbed power (W) | Noise level (dB) | External dimensions (mm) | References                                         |                                                                                                                     |                                                                                                                   |
| 156              | 230/50-60   | 17/15              | 42               | 120 x 120 x 38           | <b>NSYCVF156M230</b>                               | <b>NSYCAG114LPF</b>                                                                                                 | <b>NSYCVA114M</b>                                                                                                 |
|                  | 120/50-60   | 17/15              | 42               | 120 x 120 x 38           | <b>NSYCVF156M115</b>                               | <b>NSYCAG114LPF</b>                                                                                                 | <b>NSYCVA114M</b>                                                                                                 |
| 35               | 230/50-60   | 16/14              | 32               | 80 x 80 x 25             | <b>NSYCVF35M230</b>                                | <b>NSYCAG78LPF</b>                                                                                                  | <b>NSYCVA78M</b>                                                                                                  |
|                  | 120/50-60   | 16/14              | 32               | 80 x 80 x 25             | <b>NSYCVF35M115</b>                                | <b>NSYCAG78LPF</b>                                                                                                  | -                                                                                                                 |
|                  |             |                    |                  |                          |                                                    |                                                                                                                     |                                                                                                                   |

PB501065-56



### Fan connection cable

For coupling to the connection terminal of the fan motors.

#### Reference

**NSYCVAC100**

### Circulating for internal forced convection



PB501067-63

#### Characteristics

#### Circulation fan

User protection according to DIN 31001.

Dimensions:

- Fan: 119 x 119 x 38 mm.
- Collar: length: 140 mm; fixing centre-to-centre distance: 130 mm.
- Installation on ball-bearing.

Supply

| Flow rate (m³/h) | Voltage (V)    | No. | Weight (kg) | P (W) | I (mA) | dB (A) | Depth (mm) |
|------------------|----------------|-----|-------------|-------|--------|--------|------------|
| 170 (1)          | 115            | -   | 0.82        | 17    | -      | 41     | -          |
|                  | 230            | -   | 0.82        | 17    | -      | 41     | -          |
| 300 (2)          | 230 (50-60 Hz) | -   | -           | 37    | -      | -      | -          |
| 486 (2)          | 230            | 3   | 3.3         | 45    | 300    | 43     | 208        |
| 972 (2)          | 230            | 6   | 5.5         | 90    | 600    | 44     | 330        |
| 1458 (2)         | 230            | 9   | 7.8         | 135   | 900    | 45     | 452        |
| 552 (2)          | 48 (3)         | 3   | 3.3         | 21.3  | 330    | 43     | 208        |

-

#### References

- NSYCVF170M115
- NSYCVF170M230

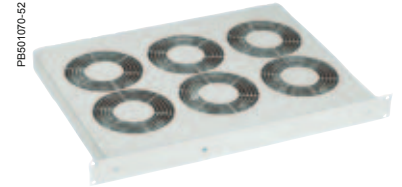
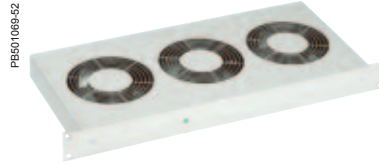
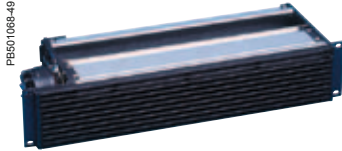
(1) Free flow.

(2) Flow rate measured without counter-pressure.

(3) Direct current.



### Circulating

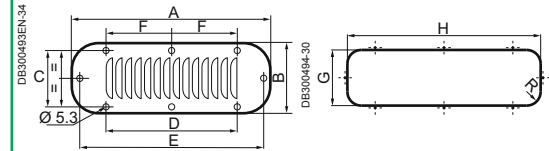


| Tangential fan, 19" 2 U                                                                                                                | Circulation fan, 19" 1 U                                                                                                                                                                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Air is sucked in from the front, filtered and forced vertically through the equipment.</p> <p>Delivered without connection cord</p> | <p>Increases the speed of upward air circulation, in particular between trays with cards. Frontal operation LED. It is advisable to install slides, ref. <b>NSYGB140</b> to guarantee optimal support of the fan.</p> <p>Delivered without connection cord</p> |
| -                                                                                                                                      | -                                                                                                                                                                                                                                                              |
| -                                                                                                                                      | -                                                                                                                                                                                                                                                              |
| <b>NSYAVG2U300</b>                                                                                                                     | -                                                                                                                                                                                                                                                              |
| -                                                                                                                                      | <b>NSYAVD1U480</b>                                                                                                                                                                                                                                             |
| -                                                                                                                                      | <b>NSYAVD1U970</b>                                                                                                                                                                                                                                             |
| -                                                                                                                                      | <b>NSYAVD1U1450</b>                                                                                                                                                                                                                                            |
| -                                                                                                                                      | <b>NSYAVD1U550M48</b>                                                                                                                                                                                                                                          |

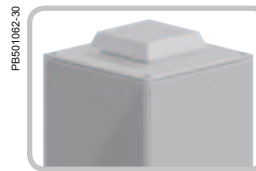
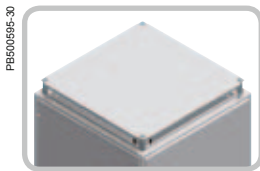
### Natural airing



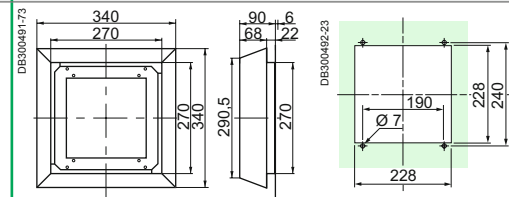
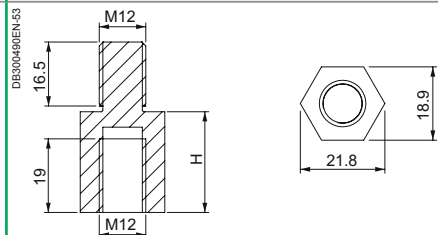
| Characteristics           |        |        |        |        |        |        |        |        |        |                 |              | Metal louvre plate, rectangular                            |  |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|--------------|------------------------------------------------------------|--|
| Material                  |        |        |        |        |        |        |        |        |        |                 |              | Steel                                                      |  |
| Finish                    |        |        |        |        |        |        |        |        |        |                 |              | Painted with epoxy-polyester resin, textured RAL 7035 grey |  |
| Ingress protection rating |        |        |        |        |        |        |        |        |        |                 |              | IP20                                                       |  |
| Installation              |        |        |        |        |        |        |        |        |        |                 |              | On the sides of the enclosure. Fixing by screws            |  |
| Supply                    |        |        |        |        |        |        |        |        |        |                 |              | 1 metal louvre and fixing elements                         |  |
| Dimensions (mm)           | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) | G (mm) | H (mm) | R (mm) | Slot width (mm) | No. of slots | References                                                 |  |
| -                         | 144    | 62     | 36     | 110    | -      | -      | 110    | 46     | 10     | -               | -            | NSYCAG110X46M                                              |  |
| -                         | 208    | 90     | 72     | 94     | 190    | -      | 180    | 62     | 18     | -               | -            | NSYCAG180X62M                                              |  |
| -                         | 244    | 90     | 72     | 130    | 226    | -      | 216    | 62     | 18     | -               | -            | NSYCAG216X62M                                              |  |
| -                         | 345    | 118    | 100    | 231    | 327    | 115.5  | 317    | 90.5   | 30     | -               | -            | NSYCAG317X91M                                              |  |
| -                         | 345    | 148    | 130    | 231    | 327    | 115.5  | 317    | 120    | 30     | -               | -            | NSYCAG317X120M                                             |  |
| -                         | 445    | 148    | 130    | 267    | 427    | 148.5  | 417    | 120    | 30     | -               | -            | NSYCAG417X120M                                             |  |
| 120 x 120                 | 95     | 104    | 104.8  | -      | -      | -      | -      | -      | 90     | -               | 5            |                                                            |  |
| 160 x 160                 | 110    | 130    | 140    | -      | -      | -      | -      | -      | -      | 100             | 5            |                                                            |  |
| 220 x 220                 | 190    | 170    | 200    | -      | -      | -      | -      | -      | -      | 180             | 5            |                                                            |  |



### Roof accessories for natural airing

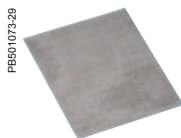
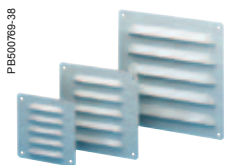


| Characteristics           |             | Roof elevators                                                | Hood for natural airing                                                                                                              |
|---------------------------|-------------|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
|                           |             | Allow the roof to be raised, providing natural airing.        | Natural airing device for coupling to the top of metal floor-standing enclosures. Solution for combining with the ventilation slots. |
| Material                  |             | Zinc-coated steel                                             | Steel                                                                                                                                |
| Finish                    |             | -                                                             | Painted with epoxy-polyester resin, textured RAL 7035 grey                                                                           |
| Ingress protection rating |             | -                                                             | IP54                                                                                                                                 |
| Installation              |             | They are screwed onto the structure, at the roof fixing point | Fixing to the top by means of caged nuts and special screws                                                                          |
| Supply                    |             | 4 elevators                                                   | 1 hood for natural airing and fixing elements                                                                                        |
| Top elevation (mm) (H)    | Weight (kg) | References                                                    |                                                                                                                                      |
| 26                        | -           | NSYRE26                                                       |                                                                                                                                      |
| 60                        | -           | NSYRE60                                                       |                                                                                                                                      |
| -                         | 4.6         | -                                                             |                                                                                                                                      |



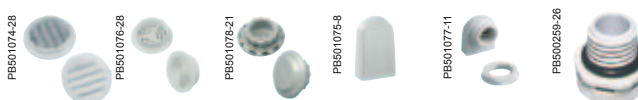
| Spare filter |
|--------------|
| Reference    |
| NSYCAF228R   |

### Natural airing



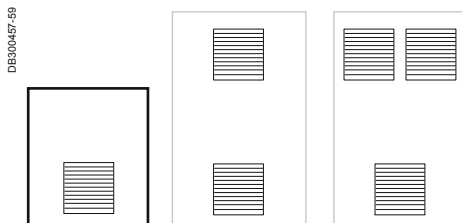
| Metal louvre plate, square |   | Anti-insect filters for metal louvre plate, square                     |                             |                |
|----------------------------|---|------------------------------------------------------------------------|-----------------------------|----------------|
| -                          | - | Stainless-steel 304L Ø 0.32 mm wire mesh, of 1.07 mm, thickness 0.6 mm |                             |                |
| -                          | - | -                                                                      |                             |                |
| IP23                       | - | IP33                                                                   |                             |                |
| -                          | - | Between the enclosure and the metal louvre                             |                             |                |
| One metal louvre           | - | One anti-insect filter                                                 |                             |                |
|                            |   | External dimensions (mm)                                               | Weight (kg/m <sup>2</sup> ) | References     |
| -                          | - | -                                                                      | -                           | -              |
| -                          | - | -                                                                      | -                           | -              |
| -                          | - | -                                                                      | -                           | -              |
| -                          | - | -                                                                      | -                           | -              |
| -                          | - | -                                                                      | -                           | -              |
| -                          | - | -                                                                      | -                           | -              |
| -                          | - | -                                                                      | -                           | -              |
| NSYCAG104X95LM             | - | 98 x 115                                                               | 0.8                         | NSYCAF104X95X  |
| NSYCAG130X110LM            | - | 133 x 158                                                              | 0.8                         | NSYCAF130X110X |
| NSYCAG170X190LM            | - | 197 x 215                                                              | 0.8                         | NSYCAF170X190X |
|                            |   |                                                                        |                             |                |





### Other accessories for natural airing



| Characteristics           |                  |                         |             | Plastic ventilation louvres                                         |             |            |            |            | Sealed anti-condensation valve                                                          |
|---------------------------|------------------|-------------------------|-------------|---------------------------------------------------------------------|-------------|------------|------------|------------|-----------------------------------------------------------------------------------------|
|                           |                  |                         |             | Four models available according to IP rating, in vertical position. |             |            |            |            | Controls the pressure to avoid condensation following an internal temperature increase. |
| Material                  |                  |                         |             | -                                                                   |             |            |            |            | PA6-V2, acrylic co-polymer membrane, water and oil repellent                            |
| Ingress protection rating |                  |                         |             | IP22                                                                | IP30/44 (1) | IP45       | IP44       | IP45       | IP68                                                                                    |
| Temperature of use        |                  |                         |             | -                                                                   |             |            |            |            | -40... +105°C                                                                           |
| Supply                    |                  |                         |             | References by unit. Order by multiples of 2 units (2, 4, 6, etc.)   |             |            |            |            | -                                                                                       |
| Cut-out Ø (mm)            | Permeability (1) | Pressure difference (2) | Minor pack. | References                                                          |             |            |            |            |                                                                                         |
| 45.5                      | -                | -                       | -           | NSYCAG45LP                                                          | -           | -          | -          | -          | -                                                                                       |
| 35                        | -                | -                       | -           | -                                                                   | NSYCAG35LP  | -          | -          | -          | -                                                                                       |
| 38                        | -                | -                       | -           | -                                                                   | -           | NSYCAG38LP | -          | -          | -                                                                                       |
| 33                        | -                | -                       | -           | -                                                                   | -           | -          | NSYCAG33LP | -          | -                                                                                       |
| 19                        | -                | -                       | -           | -                                                                   | -           | -          | -          | NSYCAG19LP | -                                                                                       |
| M12                       | 16 litres/h      | ΔP < 1 bar              | 10          | -                                                                   | -           | -          | -          | -          | NSYCAG12LPH1                                                                            |
|                           | 120 litres/h     | ΔP < 0.1 bar            | 10          | -                                                                   | -           | -          | -          | -          | NSYCAG12LPH2                                                                            |

### Ventilation systems with filters



|                                                                                                    | Fan flow rate (m³/h) |                              |                              | Voltage   | Type of connection<br>C = by cable<br>F = by faston (1)<br>B = by terminal block |
|----------------------------------------------------------------------------------------------------|----------------------|------------------------------|------------------------------|-----------|----------------------------------------------------------------------------------|
|                                                                                                    | Free with filter     | With 1 fan + 1 outlet grille | With 1 fan + 2 outlet grille |           |                                                                                  |
|                                                                                                    | 50 Hz                | 50 Hz                        | 50 Hz                        |           |                                                                                  |
| PB50105C-27<br>   | 38                   | 25                           | 33                           | 230 V     | C                                                                                |
|                                                                                                    | 38                   | 27                           | 35                           | 115 V     | C                                                                                |
|                                                                                                    | 58                   | 39                           | 47                           | 24 V DC   | C                                                                                |
|                                                                                                    | 44                   | 34                           | 41                           | 48 V DC   | C                                                                                |
| PB301051-34<br>  | 85                   | 63                           | 71                           | 230 V     | F                                                                                |
|                                                                                                    | 79                   | 65                           | 73                           | 115 V     | F                                                                                |
|                                                                                                    | 80                   | 57                           | 77                           | 24 V DC   | F                                                                                |
|                                                                                                    | 79                   | 59                           | 68                           | 48 V DC   | F                                                                                |
| PB501052-23<br> | 165                  | 153                          | 161                          | 230 V     | F                                                                                |
|                                                                                                    | 164                  | 153                          | 161                          | 115 V     | F                                                                                |
|                                                                                                    | 188                  | 171                          | 179                          | 24 V DC   | F                                                                                |
|                                                                                                    | 193                  | 171                          | 179                          | 48 V DC   | F                                                                                |
|                                                                                                    | 302                  | 260                          | 268                          | 230 V     | F                                                                                |
|                                                                                                    | 302                  | 263                          | 271                          | 115 V     | F                                                                                |
|                                                                                                    | 262                  | 221                          | 229                          | 24 V DC   | F                                                                                |
|                                                                                                    | 247                  | 210                          | 218                          | 48 V DC   | F                                                                                |
| PB501053-30<br> | 562                  | 473                          | 481                          | 230 V     | B                                                                                |
|                                                                                                    | 582                  | 485                          | 494                          | 115 V     | B                                                                                |
|                                                                                                    | 838                  | 718                          | 728                          | 230 V     | B                                                                                |
|                                                                                                    | 983                  | 843                          | 854                          | 115 V     | B                                                                                |
|                                                                                                    | 931                  | 798                          | 809                          | 400/440 V | B                                                                                |

(1) Fan models with connection type (F) are delivered with the connection cord included (2 metres).

| Dimensions (mm)  |           | References      |               |                             |                                                |                      |                |  |
|------------------|-----------|-----------------|---------------|-----------------------------|------------------------------------------------|----------------------|----------------|--|
| Total (external) | Cut-out   | Fan with filter | Outlet grille | RAL 7032 replacement grille | Sealing cover IP55                             |                      | EMC cover IP55 |  |
|                  |           | RAL 7035        | RAL 7035      | RAL 7032                    | Sheet-steel painted with epoxy-polyester resin | Stainless-steel 304L |                |  |
| 137 x 117        | 92 x 92   | NSYCVF38M230PF* | NSYCAG92LPF   | NSYCAG92LPC                 | -                                              | -                    | -              |  |
|                  |           | NSYCVF38M115PF* |               |                             |                                                |                      |                |  |
|                  |           | NSYCVF38M24DPF  |               |                             |                                                |                      |                |  |
|                  |           | NSYCVF38M48DPF  |               |                             |                                                |                      |                |  |
| 170 x 150        | 125 x 125 | NSYCVF85M230PF  | NSYCAG125LPF  | NSYCAG125LPC                | NSYCAP125LZF                                   | NSYCAP125LXF         | NSYCAP125LE    |  |
|                  |           | NSYCVF85M115PF  |               |                             |                                                |                      |                |  |
|                  |           | NSYCVF85M24DPF  |               |                             |                                                |                      |                |  |
|                  |           | NSYCVF85M48DPF  |               |                             |                                                |                      |                |  |
| 268 x 248        | 223 x 223 | NSYCVF165M230PF | NSYCAG223LPF  | NSYCAG223LPC                | NSYCAP223LZF                                   | NSYCAP223LXF         | NSYCAP223LE    |  |
|                  |           | NSYCVF165M115PF |               |                             |                                                |                      |                |  |
|                  |           | NSYCVF165M24DPF |               |                             |                                                |                      |                |  |
|                  |           | NSYCVF165M48DPF |               |                             |                                                |                      |                |  |
|                  |           | NSYCVF300M230PF |               |                             |                                                |                      |                |  |
|                  |           | NSYCVF300M115PF |               |                             |                                                |                      |                |  |
|                  |           | NSYCVF300M24DPF |               |                             |                                                |                      |                |  |
|                  |           | NSYCVF300M48DPF |               |                             |                                                |                      |                |  |
| 336 x 316        | 291 x 291 | NSYCVF560M230PF | NSYCAG291LPF  | NSYCAG291LPC                | NSYCAP291LZF                                   | NSYCAP291LXF         | NSYCAP291LE    |  |
|                  |           | NSYCVF560M115PF |               |                             |                                                |                      |                |  |
|                  |           | NSYCVF850M230PF |               |                             |                                                |                      |                |  |
|                  |           | NSYCVF850M115PF |               |                             |                                                |                      |                |  |
|                  |           | NSYCVF850M400PF |               |                             |                                                |                      |                |  |

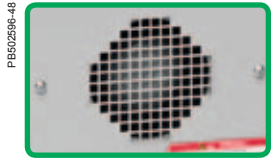
\* Warning: the fan **NSYCVF38M230PF** & **NSYCVF38M115PF** MUST NOT be connected to a power conversion module, an inverter or UPS type of power supply!

**New**

> Choose **air-air exchangers** to take advantage of cooler ambient temperatures, such as food and beverage plants, to evacuate large amounts of heat while guaranteeing the independence of the internal and external air circuits.



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#### Faster installation

A number of design improvements reduce installation time. Mounting requires single cutouts and a minimum of screws. Wiring is accomplished with smart interconnects.

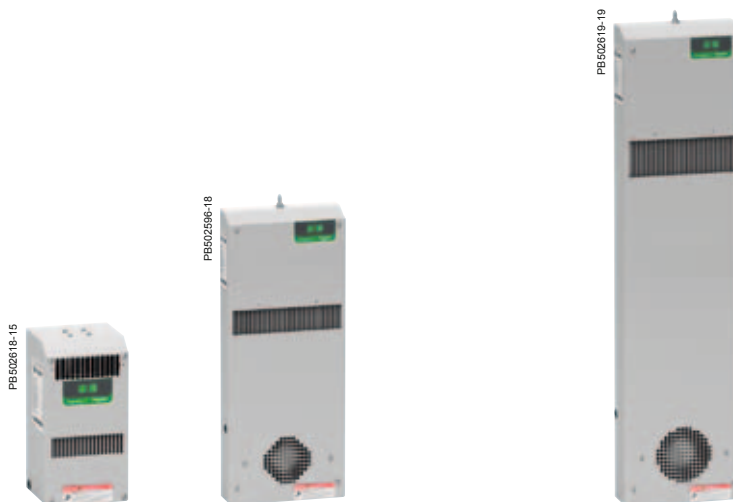


#### Protection

All side-mounted models are IP55 internally according to EN 60529.

New

### Air-air exchangers



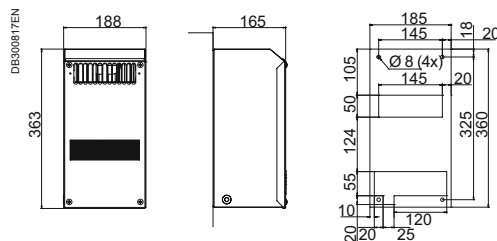
| Characteristics                              |                           | Side-mounting models                                                                                  |                      |                      |  |
|----------------------------------------------|---------------------------|-------------------------------------------------------------------------------------------------------|----------------------|----------------------|--|
|                                              |                           | The air-air exchanger is used in highly polluted environments in cases of cooler ambient temperature. |                      |                      |  |
| Material                                     | Painted zinc-coated steel |                                                                                                       |                      |                      |  |
| Colour                                       | RAL 7035 grey             |                                                                                                       |                      |                      |  |
| Certifications                               | CE declaration            |                                                                                                       |                      |                      |  |
| Installation                                 | Indoor                    |                                                                                                       |                      |                      |  |
| <b>Cooling characteristics</b>               |                           |                                                                                                       |                      |                      |  |
| Specific power                               | 14 W/K                    | 36 W/K                                                                                                | 50 W/K               | 80 W/K               |  |
| Air flow of the internal circuit (enclosure) | 280 m³/h                  | 570 m³/h                                                                                              | 600 m³/h             | 1050 m³/h            |  |
| Air flow of the external circuit (ambient)   | 280 m³/h                  | 570 m³/h                                                                                              | 600 m³/h             | 1050 m³/h            |  |
| Thermostat type                              | -                         | Mechanical                                                                                            | Mechanical           | Mechanical           |  |
| Temperature setting range                    | -                         | +5 ... +60°C                                                                                          | +5 ... +60°C         | +5 ... +60°C         |  |
| Temperature range external circuit (ambient) | -5 ... +55°C              | -5 ... +55°C                                                                                          | -5 ... +55°C         | -5 ... +55°C         |  |
| Type of fluid                                | Air                       | Air                                                                                                   | Air                  | Air                  |  |
| <b>Electric characteristics</b>              |                           |                                                                                                       |                      |                      |  |
| Input voltage                                | 1 x 230 V / 50-60 Hz      | 1 x 230 V / 50-60 Hz                                                                                  | 1 x 230 V / 50-60 Hz | 1 x 230 V / 50-60 Hz |  |
| Rated Intensity                              | 0.62 A                    | 0.7 A                                                                                                 | 0.7 A                | 1.1 A                |  |
| Power consumption absorbed                   | 88 W                      | 160 W                                                                                                 | 160 W                | 240 W                |  |
| Thermal protection recommended (fuse)        | T1 A                      | T1 A                                                                                                  | T1 A                 | T2 A                 |  |
| <b>Physical characteristics</b>              |                           |                                                                                                       |                      |                      |  |
| External dimensions (H x W x D)              | 363 x 188 x 165 mm        | 771 x 316 x 93 mm                                                                                     | 771 x 316 x 93 mm    | 1260 x 317 x 108 mm  |  |
| Protection degree IP internal /external      | IP55 / IP22               | IP55 / IP22                                                                                           | IP55 / IP22          | IP55 / IP22          |  |
| Noise level                                  | 60 dB                     | 62 dB                                                                                                 | 62 dB                | 64 dB                |  |
| Weight of unit                               | 7 kg                      | 10 kg                                                                                                 | 10 kg                | 17 kg                |  |
| <b>References</b>                            |                           |                                                                                                       |                      |                      |  |
|                                              | NSYCEA14E                 | NSYCEA36                                                                                              | NSYCEA50             | NSYCEA80             |  |

New

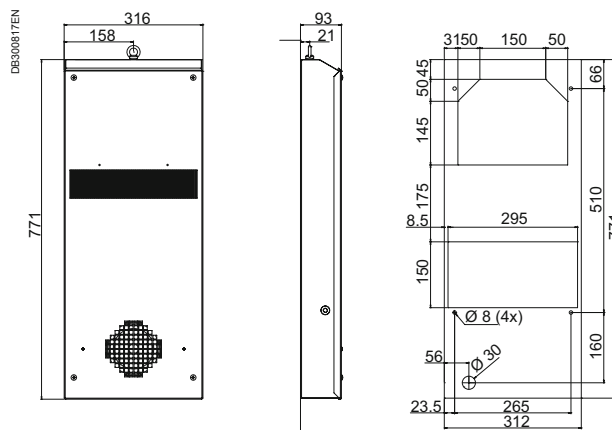
### Air-air exchangers

#### Side-mounting models

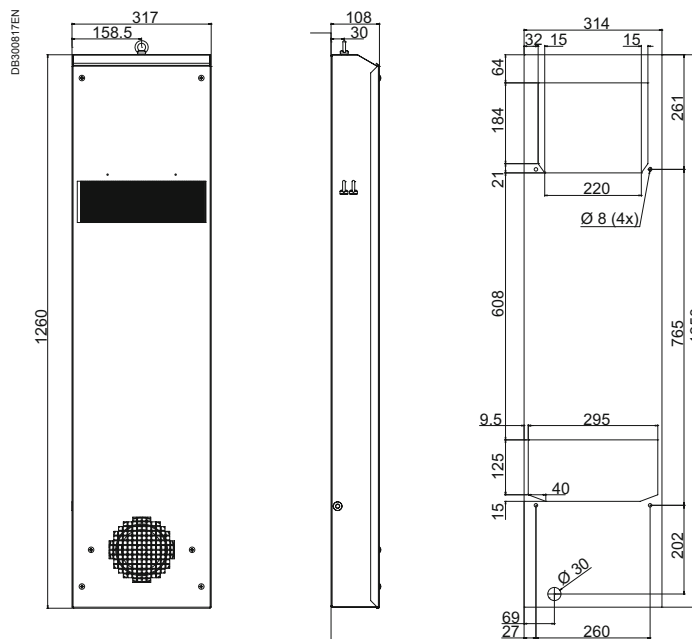
##### NSYCEA14E



##### NSYCEA36 / NSYCEA50



##### NSYCEA80



Units of measurement are mm.



**New**

> Choose **air-water exchangers** for especially difficult environments where there is no external air circuit available but a stable cold-water circuit can be supplied.



### Exchangers that tackle highly polluted environments

PB502606-30



#### Many mounting options give you the right fit

Air-water exchangers offer roof and side mounting options.



#### Extended ratings to meet any challenge

Provide options for up to 15 kW of cooling power, among the world's highest power ratings for air-water exchangers.

PB502655-32



#### New material options adapt to any application

Air-water exchangers can be provided in the same material as electrical enclosures for (for example stainless steel) a homogeneous appearance and thermal performance.

DE123916-26



#### New certifications and declarations

- UL,
- CE.

PB502607-13



#### Protection

All side-mounting models are IP55 type protected internally and externally according EN 60529. Top-mounting models are IP54.

New

### Air-water exchangers



| Characteristics                              | Side-mounting models                                                                                                                                                                                                                                                                |                                    |                                    |                                    |                                    |  |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|--|
|                                              | Available in two installation versions: Top-mounting model and side-mounting model.<br>Main components: thermostat adjustment system, Exchange cassette, fans for internal circuits of the enclosure, protection device against possible leaks.<br>Eyebolts included in all models. |                                    |                                    |                                    |                                    |  |
| Material                                     | RAL 7035 grey painted zinc-coated steel or stainless steel                                                                                                                                                                                                                          |                                    |                                    |                                    |                                    |  |
| Certifications                               | <ul style="list-style-type: none"> <li>■ CE declaration</li> <li>■ UL (only references ending with UL)</li> </ul>                                                                                                                                                                   |                                    |                                    |                                    |                                    |  |
| Installation                                 | Indoor                                                                                                                                                                                                                                                                              |                                    |                                    |                                    |                                    |  |
| <b>Cooling characteristics</b>               |                                                                                                                                                                                                                                                                                     |                                    |                                    |                                    |                                    |  |
| Cooling power W10A35                         | 1000 W                                                                                                                                                                                                                                                                              | 1750 W                             | 2500 W                             | 3500 W                             | 4500 W                             |  |
| Hydraulic circuit maximum pressure           | 5 bar                                                                                                                                                                                                                                                                               | 5 bar                              | 5 bar                              | 5 bar                              | 5 bar                              |  |
| Air flow of the external circuit (ambient)   | 330 m³/h                                                                                                                                                                                                                                                                            | 570 m³/h                           | 860 m³/h                           | 1050 m³/h                          | 1450 m³/h                          |  |
| Thermostat type                              | Mechanical                                                                                                                                                                                                                                                                          | Mechanical                         | Mechanical                         | Mechanical                         | Mechanical                         |  |
| Temperature setting range                    | +20 ... +46°C                                                                                                                                                                                                                                                                       | +20 ... +46°C                      | +20 ... +46°C                      | +20 ... +46°C                      | +20 ... +46°C                      |  |
| Temperature range external circuit (ambient) | +1 ... +70°C                                                                                                                                                                                                                                                                        | +1 ... +70°C                       | +1 ... +70°C                       | +1 ... +70°C                       | +1 ... +70°C                       |  |
| Type of fluid                                | Filtered water or glycolised water                                                                                                                                                                                                                                                  | Filtered water or glycolised water | Filtered water or glycolised water | Filtered water or glycolised water | Filtered water or glycolised water |  |
| Water flow                                   | 150 l/h                                                                                                                                                                                                                                                                             | 150 l/h                            | 500 l/h                            | 500 l/h                            | 500 l/h                            |  |
| Pressure drop                                | 0.1 bar                                                                                                                                                                                                                                                                             | 0.1 bar                            | 0.3 bar                            | 0.2 bar                            | 0.2 bar                            |  |
| Hydraulic connection                         | 1/2" G                                                                                                                                                                                                                                                                              | 3/4" G                             | 3/4" G                             | 3/4" G                             | 3/4" G                             |  |
| <b>Electric characteristics</b>              |                                                                                                                                                                                                                                                                                     |                                    |                                    |                                    |                                    |  |
| Input voltage                                | 1 x 230 V / 50-60 Hz*                                                                                                                                                                                                                                                               | 1 x 230 V / 50-60 Hz*              | 1 x 230 V / 50-60 Hz*              | 1 x 230 V / 50-60 Hz*              | 1 x 230 V / 50-60 Hz*              |  |
| Rated Intensity                              | 0.17 A                                                                                                                                                                                                                                                                              | 0.36 A                             | 0.33 A                             | 0.55 A                             | 0.71 A                             |  |
| Power consumption absorbed W10A35            | 29 W                                                                                                                                                                                                                                                                                | 75 W                               | 80 W                               | 130 W                              | 160 W                              |  |
| Thermal protection recommended (fuse)        | T2 A                                                                                                                                                                                                                                                                                | T2 A                               | T2 A                               | T2 A                               | T2 A                               |  |
| <b>Physical characteristics</b>              |                                                                                                                                                                                                                                                                                     |                                    |                                    |                                    |                                    |  |
| External dimensions (H x W x D)              | 450 x 310 x 115 mm                                                                                                                                                                                                                                                                  | 901 x 398 x 137 mm                 | 901 x 398 x 137 mm                 | 1148 x 398 x 163 mm                | 1148 x 398 x 163 mm                |  |
| Protection degree IP internal / external     | IP55 / IP55                                                                                                                                                                                                                                                                         | IP55 / IP55                        | IP55 / IP55                        | IP55 / IP55                        | IP55 / IP55                        |  |
| Noise level                                  | 55 dB (A)                                                                                                                                                                                                                                                                           | 58 dB (A)                          | 58 dB (A)                          | 64 dB (A)                          | 69 dB (A)                          |  |
| Weight of unit                               | 12 kg                                                                                                                                                                                                                                                                               | 18 kg                              | 19 kg                              | 29 kg                              | 30 kg                              |  |
| <b>References</b>                            |                                                                                                                                                                                                                                                                                     |                                    |                                    |                                    |                                    |  |
| Steel                                        | NSYCEW1K                                                                                                                                                                                                                                                                            | NSYCEW1K8                          | NSYCEW2K5                          | NSYCEW3K5                          | NSYCEW4K5                          |  |
| Stainless steel                              | NSYCEWX1K                                                                                                                                                                                                                                                                           | NSYCEWX1K8                         | NSYCEWX2K5                         | NSYCEWX3K5                         | NSYCEWX4K5                         |  |
| Steel UL                                     | NSYCEW1KUL                                                                                                                                                                                                                                                                          | NSYCEW1K8UL                        | NSYCEW2K5UL                        | NSYCEW3K5UL                        | NSYCEW4K5UL                        |  |
| Stainless steel UL                           | NSYCEWX1KUL                                                                                                                                                                                                                                                                         | NSYCEWX1K8UL                       | NSYCEWX2K5UL                       | NSYCEWX3K5UL                       | NSYCEWX4K5UL                       |  |

\* 60 Hz only for UL versions.



**Top-mounting model**

|  |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
|--|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
|  | 6000 W                             | 6000 W                             | 10000 W                            | 10000 W                            | 15000 W                            | 15000 W                            | 2500 W                             |
|  | 5 bar                              | 8 bar                              | 8 bar                              | 8 bar                              | 8 bar                              | 8 bar                              | 5 bar                              |
|  | 1450 m³/h                          | 1450 m³/h                          | 2420 m³/h                          | 2420 m³/h                          | 2900 m³/h                          | 2900 m³/h                          | 750 m³/h                           |
|  | Mechanical                         | Mechanical                         | Mechanical                         | Mechanical                         | Mechanical                         | Mechanical                         | Mechanical                         |
|  | +20 ... +46°C                      | +20 ... +46°C                      | +20 ... +46°C                      | +20 ... +46°C                      | +20 ... +46°C                      | +20 ... +46°C                      | +20 ... +46°C                      |
|  | +1 ... +70°C                       | +1 ... +70°C                       | +1 ... +70°C                       | +1 ... +70°C                       | +1 ... +70°C                       | +1 ... +70°C                       | +1 ... +70°C                       |
|  | Filtered water or glycolised water | Filtered water or glycolised water | Filtered water or glycolised water | Filtered water or glycolised water | Filtered water or glycolised water | Filtered water or glycolised water | Filtered water or glycolised water |
|  | 800 l/h                            | 800 l/h                            | 2000 l/h                           | 2000 l/h                           | 2000 l/h                           | 2000 l/h                           | 500 l/h                            |
|  | 0.5 bar                            | 0.5 bar                            | 3.5 bar                            | 3.5 bar                            | 4.8 bar                            | 4.8 bar                            | 0.3 bar                            |
|  | 3/4" G                             | 3/4" G                             | 3/4" G                             | 3/4" G                             | 3/4" G                             | 3/4" G                             | 1/2" G                             |
|  | 1 x 230 V / 50-60 Hz*              | 2 x 400-440V / 50-60 Hz            | 1 x 230 V / 50-60 Hz               | 2 x 400-440V / 50-60 Hz            | 1 x 230 V / 50-60 Hz               | 2 x 400-440V / 50-60 Hz            | 1 x 230 V / 50-60 Hz               |
|  | 0.71 A                             | 0.4 A                              | 1.2 A                              | 0.75 A                             | 1.4 A                              | 0.9 A                              | 0.30 A                             |
|  | 160 W                              | 170 W                              | 260 W                              | 280 W                              | 320 W                              | 420 W                              | 65 W                               |
|  | T2 A                               | T1 A                               | T2 A                               | T2 A                               | T4 A                               | T2 A                               | T2 A                               |
|  | 1500 x 450 x 163 mm                | 1500 x 450 x 163 mm                | 1932 x 797 x 206 mm                | 1932 x 797 x 206 mm                | 1932 x 797 x 206 mm                | 1932 x 797 x 206 mm                | 270 x 400 x 542 mm                 |
|  | IP55 / IP55                        | IP55 / IP55                        | IP55 / IP55                        | IP55 / IP55                        | IP55 / IP55                        | IP55 / IP55                        | IP54 / IP55                        |
|  | 69 dB (A)                          | 69 dB (A)                          | 70 dB (A)                          | 70 dB (A)                          | 72 dB (A)                          | 70 dB (A)                          | 58 dB (A)                          |
|  | 40 kg                              | 42 kg                              | 90 kg                              | 90 kg                              | 92 kg                              | 92 kg                              | 19 kg                              |
|  | <b>NSYCEW6K</b>                    | <b>NSYCEW6K2P4</b>                 | <b>NSYCEW10K**</b>                 | <b>NSYCEW10K2P4**</b>              | <b>NSYCEW15K**</b>                 | <b>NSYCEW15K2P4**</b>              | <b>NSYCEW2K5R</b>                  |
|  | <b>NSYCEWX6K</b>                   | <b>NSYCEWX6K2P4</b>                | <b>NSYCEWX10K**</b>                | <b>NSYCEWX10K2P4**</b>             | <b>NSYCEWX15K**</b>                | <b>NSYCEWX15K2P4**</b>             | -                                  |
|  | <b>NSYCEW6KUL</b>                  | -                                  | -                                  | -                                  | -                                  | -                                  | -                                  |
|  | <b>NSYCEWX6KUL</b>                 | -                                  | -                                  | -                                  | -                                  | -                                  | -                                  |

\* Available from 2016.

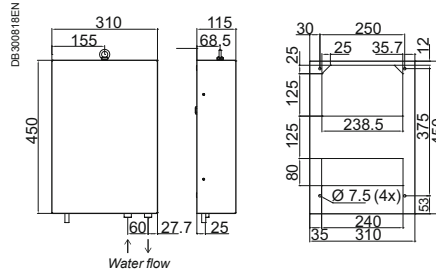
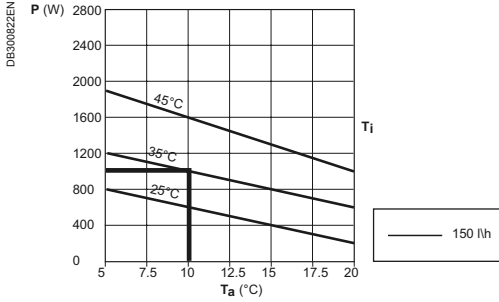
New

### Air-water exchangers

#### Side-mounting models

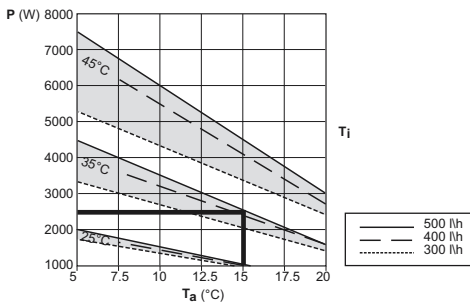
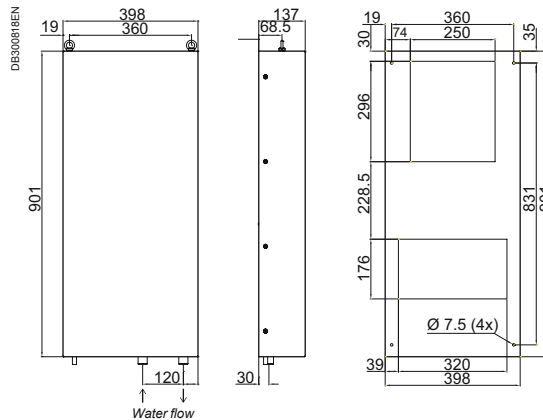
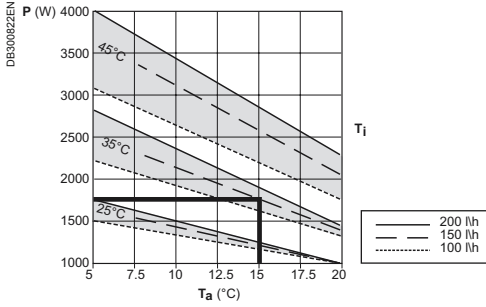
##### NSYCEW••1K••

Performance curves



##### NSYCEW••1K8•• – NSYCEW••2K5••

Performance curves

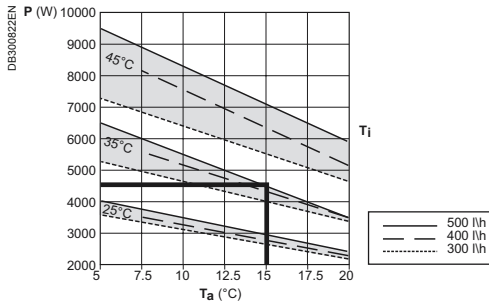
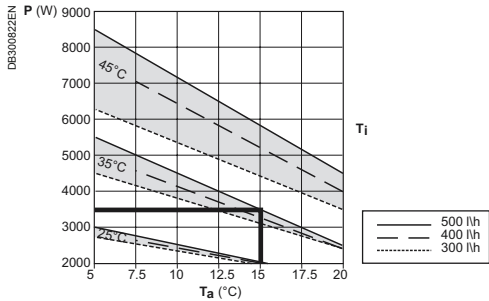


$T_a$ = Inlet water temperature  
 $T_i$ = Desired internal temperature of the enclosure

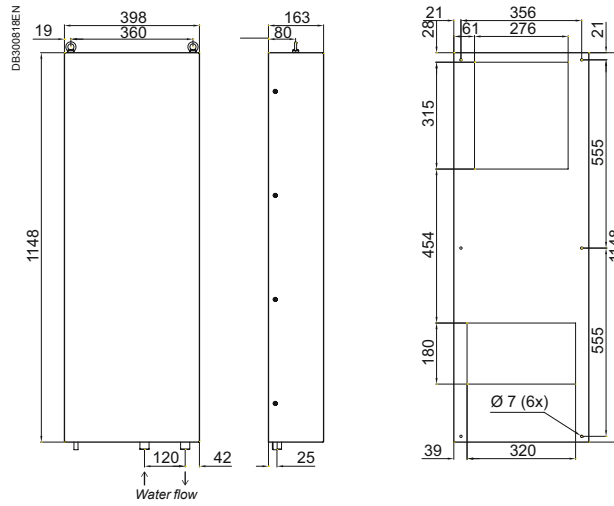
Units of measurement are mm.

New

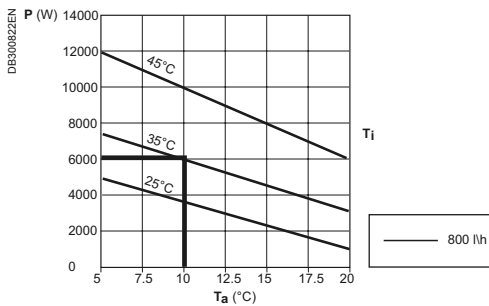
### Performance curves



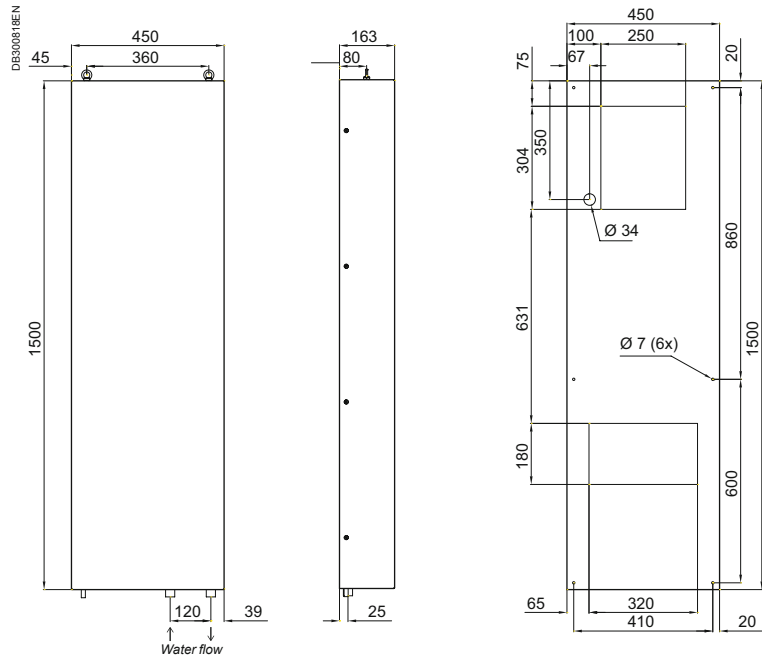
### NSYCEW••3K5•• – NSYCEW••4K5••



### Performance curves



### NSYCEW••6K••



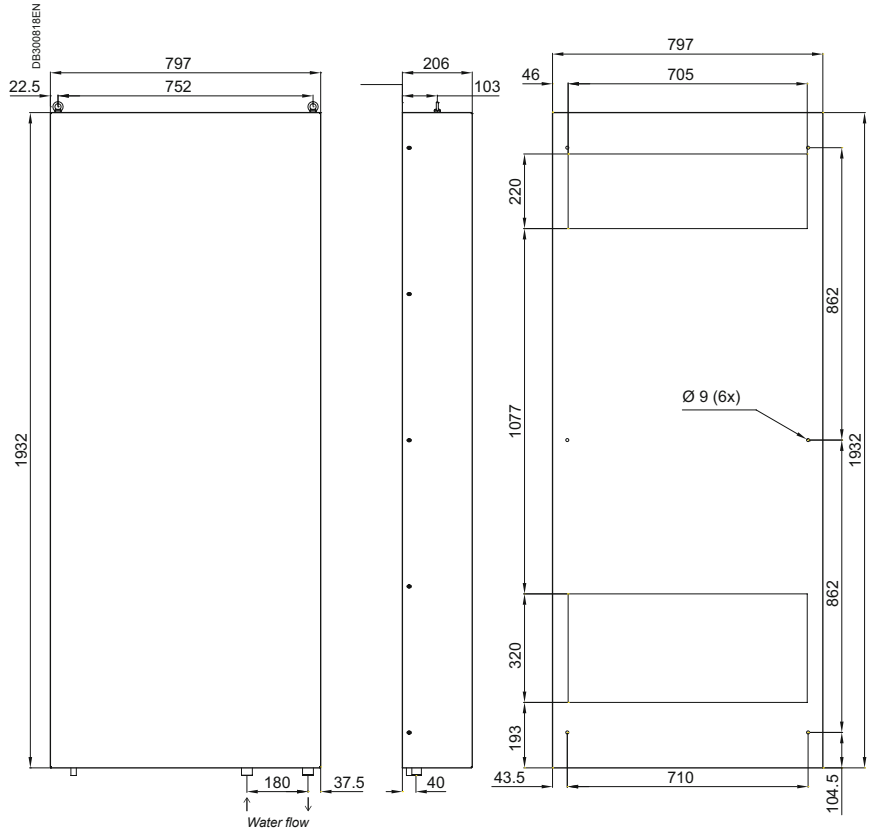
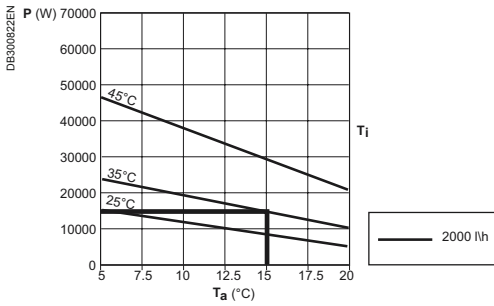
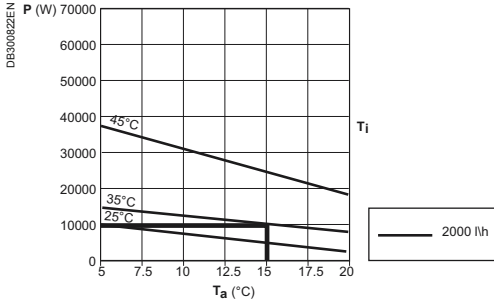
Ta= Inlet water temperature  
Ti= Desired internal temperature of the enclosure

Units of measurement are mm.

**New**

### NSYCEW••10K•• – NSYCEW••15K••

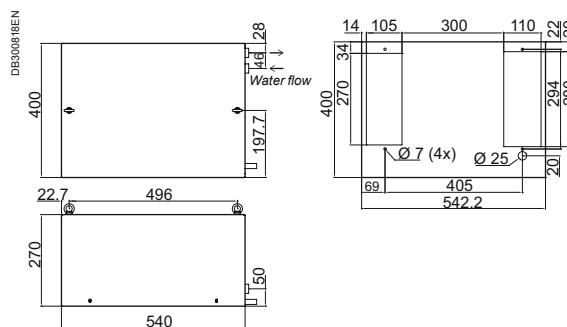
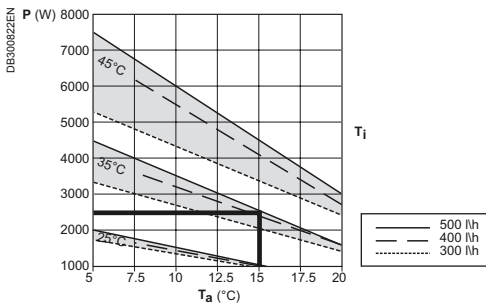
#### Performance curves



### Top-mounting models

#### NSYCEW2K5R

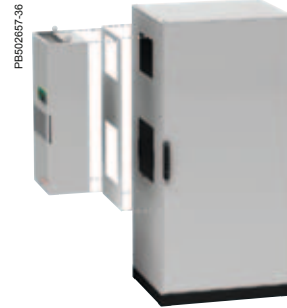
#### Performance curves



Ta= Inlet water temperature  
Ti= Desired internal temperature of the enclosure

Units of measurement are mm.

New



| Characteristics             | Air-air and air-water exchangers |                 |             |                 | Retrofit panel                                                                                                     |                                       |
|-----------------------------|----------------------------------|-----------------|-------------|-----------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------|
|                             | CE                               |                 | UL / CE     |                 |                                                                                                                    |                                       |
|                             | Steel                            | Stainless steel | Steel       | Stainless steel |                                                                                                                    |                                       |
|                             |                                  |                 |             |                 | Panel that enable to mount a new ClimaSys CE or CU units by replacement of old Schneider Electric cooling systems. |                                       |
| Material                    |                                  |                 |             |                 | Metal painted                                                                                                      |                                       |
| Colour                      |                                  |                 |             |                 | RAL 7035                                                                                                           |                                       |
| Supply                      |                                  |                 |             |                 | 1 unit                                                                                                             |                                       |
| References                  |                                  |                 |             |                 | Retrofit panel                                                                                                     | Old Schneider Electric cooling system |
| <b>Air- air exchangers</b>  |                                  |                 |             |                 |                                                                                                                    |                                       |
| Side-mounting models        | NSYCEA14E                        | -               | -           | -               | NSYCEARTFIT14                                                                                                      | NSYCEA15W230VL                        |
|                             | NSYCEA36                         | -               | -           | -               | NSYCEARTFIT36                                                                                                      | NSYCEA35W230VL<br>NSYCEA35W230VLE     |
|                             | NSYCEA50                         | -               | -           | -               | -                                                                                                                  | -                                     |
|                             | NSYCEA80                         | -               | -           | -               | NSYCEARTFIT80                                                                                                      | NSYCEA70W230VL                        |
| <b>Air-water exchangers</b> |                                  |                 |             |                 |                                                                                                                    |                                       |
| Side-mounting models        | NSYCEW1K                         | NSYCEWX1K       | NSYCEW1KUL  | NSYCEWX1KUL     | -                                                                                                                  | -                                     |
|                             | NSYCEW1K8                        | NSYCEWX1K8      | NSYCEW1K8UL | NSYCEWX1K8UL    | -                                                                                                                  | -                                     |
|                             | NSYCEW2K5                        | NSYCEWX2K5      | NSYCEW2K5UL | NSYCEWX2K5UL    | NSYCEWRTFIT2K5                                                                                                     | NSYCEW2100W230VL                      |
|                             | NSYCEW3K5                        | NSYCEWX3K5      | NSYCEW3K5UL | NSYCEWX3K5UL    | NSYCEWRTFIT3K5                                                                                                     | NSYCEW3150W230VL                      |
|                             | NSYCEW4K5                        | NSYCEWX4K5      | NSYCEW4K5UL | NSYCEWX4K5UL    | -                                                                                                                  | -                                     |
|                             | NSYCEW6K                         | NSYCEWX6K       | NSYCEW6KUL  | NSYCEWX6KUL     | -                                                                                                                  | -                                     |
|                             | NSYCEW6K2P4                      | NSYCEWX6K2P4    | NSYCEW10K   | NSYCEWX10K      | -                                                                                                                  | -                                     |
|                             | NSYCEW10K2P4                     | NSYCEWX10K2P4   | -           | -               | -                                                                                                                  | -                                     |
|                             | NSYCEW15K                        | NSYCEWX15K      | -           | -               | -                                                                                                                  | -                                     |
|                             | NSYCEW15K2P4                     | NSYCEWX15K2P4   | -           | -               | -                                                                                                                  | -                                     |
|                             | Top-mounting model               | NSYCEW2K5R      | -           | -               | -                                                                                                                  | -                                     |





New

➤ Choose **cooling units** for harsh environments, where ambient temperatures can reach up to 55°C. The unit's integrated alarm system will signal you in the event of any operational anomaly.



### Cooling units for extremely hot environments



#### Many mounting options give you the right fit

Cooling units range offer roof and side mounting options as well as slim models for efficient and space-saving installation on control panel doors.



#### Extended ratings to meet any challenge

Provide options for up to 15 kW of cooling power.



#### Protection through improved design

A new internal grill design protects components and personnel during operation, while also making ClimaSys products **easier to clean and maintain**.



#### Fast access to settings and status

A new HMI screen enables quick viewing to all configuration parameters and sensor readings within the enclosures (not on outdoor Heavy Duty models).



#### New material options adapt to any application

ClimaSys cooling units offer new outdoor and stainless steel versions, ideal for clean, hygienic environments such as food and beverage plants.



#### Accurate thermal control

To keep motor drives and controls running within safe thermal boundaries, all ClimaSys cooling units offer a precise **electronic thermostat control**. This ensures high cooling precision (+/- 1.5°C).



#### Extended ratings to meet any challenge

ClimaSys CU outdoor Heavy Duty version can withstand extreme environments, with **operating temperature** ratings from -20° to +55°C.



#### New certifications and declarations

- UL,
- CE.



#### Simplicity

No tools needed to replace the filter. It just takes a few seconds.

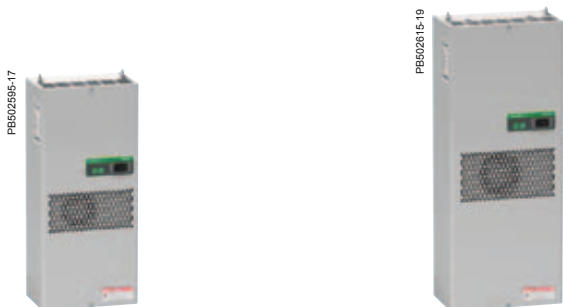
**New**

### Cooling units



| Characteristics                              | Side-mounting models                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                     |                                     |                                     |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
|                                              | Cooling units for electrical control panels. <ul style="list-style-type: none"> <li>■ Respect for the environment by using environmentally friendly gas R134a (HFC).</li> <li>■ Electronic thermostats in all models.</li> <li>■ Alarm signal for door contact included in all models.</li> <li>■ Eyebolts included.</li> <li>■ Among best in class components.</li> <li>■ The external filter, not included as standard, is strongly recommended for harsh environments.</li> <li>■ HMI screen.</li> </ul> |                                     |                                     |                                     |
| Material                                     | RAL 7035 grey painted zinc-coated steel or stainless steel                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                     |                                     |                                     |
| Certifications                               | <ul style="list-style-type: none"> <li>■ CE declaration</li> <li>■ UL (only references ending with UL)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                           |                                     |                                     |                                     |
| Installation                                 | Indoor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                     |                                     |                                     |
| <b>Cooling characteristics</b>               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                     |                                     |                                     |
| Cooling power L35-L35                        | 300 W (1024 Btu/h)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 380 W (1297 Btu/h)                  | 640 W (2184 Btu/h)                  | 820 W (2798 Btu/h)                  |
| Cooling power L35-L50                        | 150 W (512 Btu/h)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 240 W (819 Btu/h)                   | 470 W (1604 Btu/h)                  | 680 W (2320 Btu/h)                  |
| Air flow of the internal circuit (enclosure) | 280 m³/h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 280 m³/h                            | 330 m³/h                            | 330 m³/h                            |
| Air flow of the external circuit (ambient)   | 280 m³/h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 280 m³/h                            | 570 m³/h                            | 570 m³/h                            |
| Thermostat type                              | Electronic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Electronic                          | Electronic                          | Electronic                          |
| Temperature setting range                    | +20 ... +46°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | +20 ... +46°C                       | +20 ... +46°C                       | +20 ... +46°C                       |
| Maximum outside temperature                  | +55°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | +55°C (+50°C)**                     | +55°C (+50°C)**                     | +55°C (+50°C)**                     |
| Temperature range external circuit (ambient) | +20 ... +55°C*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | +20 ... +55°C*<br>(+20 ... +50°C)** | +20 ... +55°C*<br>(+20 ... +50°C)** | +20 ... +55°C*<br>(+20 ... +50°C)** |
| Type of cooling gas                          | R134a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | R134a                               | R134a                               | R134a                               |
| Cooling gas weight                           | 0.13 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.16 kg                             | 0.23 kg                             | 0.23 kg                             |
| Maximum pressure cooling circuit             | 25 bar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 26 bar (28 bar)**                   | 25 bar (28 bar)**                   | 25 bar (28 bar)**                   |
| External filter                              | Optional,<br>see page 505                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Optional,<br>see page 505           | Optional,<br>see page 505           | Optional,<br>see page 505           |
| <b>Electric characteristics</b>              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                     |                                     |                                     |
| Input voltage                                | 1 x 230 V / 50-60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1 x 230 V / 50-60 Hz**              | 1 x 230 V / 50-60 Hz**              | 1 x 230 V / 50-60 Hz**              |
| Starting / Rated Intensity                   | 4.2 A / 1.5 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6.0 A / 1.6 A                       | 8.1 A / 2.1 A                       | 10.8 A / 2.6 A                      |
| Power consumption absorbed L35-L35           | 270 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 280 W                               | 400 W                               | 440 W                               |
| Power consumption absorbed L35-L50           | 310 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 330 W                               | 470 W                               | 490 W                               |
| Energy efficiency ratio (EER) L35-L35        | 1.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1.4                                 | 1.6                                 | 1.9                                 |
| Thermal protection recommended (fuse)        | T4 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | T4 A                                | T6 A                                | T6 A                                |
| <b>Physical characteristics</b>              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                     |                                     |                                     |
| External dimensions (H x W x D)              | 340 x 525 x 135 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 460 x 285 x 180 mm                  | 606 x 316 x 212 mm                  | 783 x 348 x 215 mm                  |
| Protection degree IP internal /external      | IP55 / IP34                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | IP55 / IP34                         | IP55 / IP34                         | IP55 / IP34                         |
| Noise level                                  | 61 dB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 60 dB                               | 65 dB                               | 65 dB                               |
| Weight of unit                               | 17 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 17 kg                               | 21 kg                               | 27 kg                               |
| <b>References</b>                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                     |                                     |                                     |
| Steel                                        | <b>NSYCU300H</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>NSYCU400</b>                     | <b>NSYCU600</b>                     | <b>NSYCU800</b>                     |
| Stainless steel                              | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>NSYCUX400</b>                    | <b>NSYCUX600</b>                    | <b>NSYCUX800</b>                    |
| Steel UL                                     | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>NSYCU400UL</b>                   | <b>NSYCU600UL</b>                   | <b>NSYCU800UL</b>                   |
| Stainless steel UL                           | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -                                   | <b>NSYCUX600UL</b>                  | <b>NSYCUX800UL</b>                  |

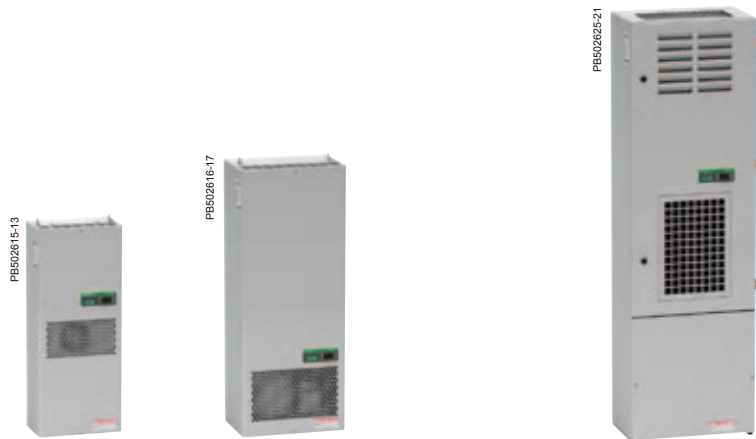
\* 50°C at 60 Hz.  
 \*\* Certification UL only 60 Hz.



|  |                                     |                                    |                                     |                             |                                     |                               |                                     |
|--|-------------------------------------|------------------------------------|-------------------------------------|-----------------------------|-------------------------------------|-------------------------------|-------------------------------------|
|  | 1000 W (3412 Btu/h)                 | 1000 W (3412 Btu/h)                | 1250 W (4265 Btu/h)                 | 1250 W (4265 Btu/h)         | 1600 W (5459 Btu/h)                 | 1600 W (5459 Btu/h)           | 2000 W (6824 Btu/h)                 |
|  | 790 W (2696 Btu/h)                  | 790 W (2696 Btu/h)                 | 910 W (3105 Btu/h)                  | 910 W (3105 Btu/h)          | 1230 W (4197 Btu/h)                 | 1230 W (4197 Btu/h)           | 1510 W (5152 Btu/h)                 |
|  | 330 m³/h                            | 330 m³/h                           | 570 m³/h                            | 570 m³/h                    | 570 m³/h                            | 570 m³/h                      | 860 m³/h                            |
|  | 570 m³/h                            | 570 m³/h                           | 860 m³/h                            | 860 m³/h                    | 1050 m³/h                           | 1050 m³/h                     | 1050 m³/h                           |
|  | Electronic                          | Electronic                         | Electronic                          | Electronic                  | Electronic                          | Electronic                    | Electronic                          |
|  | +20 ... +46°C                       | +20 ... +46°C                      | +20 ... +46°C                       | +20 ... +46°C               | +20 ... +46°C                       | +20 ... +46°C                 | +20 ... +46°C                       |
|  | +55°C (+50°C)**                     | +55°C (+50°C)**                    | +55°C (+50°C)**                     | +55°C                       | +55°C (+50°C)**                     | +55°C (+50°C)**               | +55°C (+50°C)**                     |
|  | +20 ... +55°C*<br>(+20 ... +50°C)** | +20 ... +50°C<br>(+20 ... +50°C)** | +20 ... +55°C*<br>(+20 ... +50°C)** | +20 ... +50°C               | +20 ... +55°C*<br>(+20 ... +50°C)** | +20 ... +50°C                 | +20 ... +55°C*<br>(+20 ... +50°C)** |
|  | R134a                               | R134a                              | R134a                               | R134a                       | R134a                               | R134a                         | R134a                               |
|  | 0.23 kg                             | 0.23 kg                            | 0.38 kg                             | 0.38 kg                     | 0.45 kg                             | 0.45 kg                       | 0.54 kg                             |
|  | 25 bar (28 bar)**                   | 25 bar (28 bar)**                  | 25 bar (28 bar)**                   | 25 bar                      | 25 bar (28 bar)**                   | 25 bar (28 bar)**             | 25 bar (28 bar)**                   |
|  | Optional,<br>see page 505           | Optional, see page 505             | Optional,<br>see page 505           | Optional,<br>see page 505   | Optional,<br>see page 505           | Optional,<br>see page 505     | Optional,<br>see page 505           |
|  | 1 x 230 V /<br>50-60 Hz**           | 2 x 400-440 V /<br>50-60 Hz**      | 1 x 230 V /<br>50-60 Hz**           | 2 x 400-440 V /<br>50-60 Hz | 1 x 230 V /<br>50-60 Hz**           | 2 x 400-440 V /<br>50-60 Hz** | 1 x 230 V /<br>50-60 Hz**           |
|  | 10.5 A / 3 A                        | 8 A / 2 A                          | 11 A / 3.8 A                        | 8.5 A / 2.8 A               | 18 A / 5.4 A                        | 11 A / 2.9 A                  | 24 A / 6.5 A                        |
|  | 570 W                               | 590 W                              | 650 W                               | 660 W                       | 850 W                               | 840 W                         | 1080 W                              |
|  | 650 W                               | 670 W                              | 760 W                               | 770 W                       | 970 W                               | 960 W                         | 1290 W                              |
|  | 1.8                                 | 1.7                                | 1.9                                 | 1.9                         | 1.9                                 | 1.9                           | 1.9                                 |
|  | T6 A                                | T4 A                               | T6 A                                | T4 A                        | T10 A                               | T6 A                          | T10 A                               |
|  | 783 x 348 x 215 mm                  | 783 x 348 x 215 (+58) mm           | 999 x 405 x 237 mm                  | 999 x 405 x 237 mm          | 999 x 405 x 237 mm                  | 999 x 405 x 237 mm            | 999 x 405 x 237 mm                  |
|  | IP55 / IP34                         | IP55 / IP34                        | IP55 / IP34                         | IP55 / IP34                 | IP55 / IP34                         | IP55 / IP34                   | IP55 / IP34                         |
|  | 65 dB                               | 65 dB                              | 65 dB                               | 65 dB                       | 65 dB                               | 65 dB                         | 65 dB                               |
|  | 28 kg                               | 29 kg                              | 38 kg                               | 40 kg                       | 40 kg                               | 42 kg                         | 52 kg                               |
|  | <b>NSYCU1K</b>                      | <b>NSYCU1K2P4</b>                  | <b>NSYCU1K2</b>                     | <b>NSYCU1K22P4</b>          | <b>NSYCU1K6</b>                     | <b>NSYCU1K62P4</b>            | <b>NSYCU2K</b>                      |
|  | <b>NSYCU1KUL</b>                    | <b>NSYCU1K2P4UL</b>                | <b>NSYCU1K2UL</b>                   | <b>NSYCU1K22P4UL</b>        | <b>NSYCU1K6UL</b>                   | <b>NSYCU1K62P4UL</b>          | <b>NSYCU2KUL</b>                    |
|  | <b>NSYCUX1K</b>                     | <b>NSYCUX1K2P4</b>                 | <b>NSYCUX1K2</b>                    | <b>NSYCUX1K22P4</b>         | <b>NSYCUX1K6</b>                    | <b>NSYCUX1K62P4</b>           | <b>NSYCUX2K</b>                     |
|  | <b>NSYCUX1KUL</b>                   | <b>NSYCUX1K2P4UL</b>               | <b>NSYCUX1K2UL</b>                  | <b>NSYCUX1K22P4UL</b>       | <b>NSYCUX1K6UL</b>                  | <b>NSYCUX1K62P4UL</b>         | <b>NSYCUX2KUL</b>                   |
|  | <b>NSYCUX1KUL</b>                   | <b>NSYCUX1K2P4UL</b>               | <b>NSYCUX1K2UL</b>                  | -                           | <b>NSYCUX1K6UL</b>                  | <b>NSYCUX1K62P4UL</b>         | <b>NSYCUX2KUL</b>                   |

New

### Cooling units



| Characteristics                              | Side-mounting models                                                                                                                                                                                                                                                                         |                                |                                | Floor-standing models                                                                                                  |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|------------------------------------------------------------------------------------------------------------------------|
|                                              | Cooling units for electrical control panels.                                                                                                                                                                                                                                                 |                                |                                |                                                                                                                        |
|                                              | <ul style="list-style-type: none"> <li>■ Alarm signal for door contact included in all models.</li> <li>■ Eyebolts included.</li> <li>■ Among best in class components.</li> <li>■ The external filter, not included as standard, is strongly recommended for harsh environments.</li> </ul> |                                |                                |                                                                                                                        |
| Material                                     | RAL 7035 grey painted zinc-coated steel or stainless steel                                                                                                                                                                                                                                   |                                |                                |                                                                                                                        |
| Certifications                               | <ul style="list-style-type: none"> <li>■ CE declaration</li> <li>■ UL (only references ending with UL)</li> </ul>                                                                                                                                                                            |                                |                                |                                                                                                                        |
| Installation                                 | Indoor                                                                                                                                                                                                                                                                                       |                                |                                | <ul style="list-style-type: none"> <li>■ Indoor</li> <li>■ Cannot be installed with enclosures with plinths</li> </ul> |
| <b>Cooling characteristics</b>               |                                                                                                                                                                                                                                                                                              |                                |                                |                                                                                                                        |
| Cooling power L35-L35                        | 2000 W (6824 Btu/h)                                                                                                                                                                                                                                                                          | 2900 W (9895 Btu/h)            | 3850 W (13137 Btu/h)           | 5800 W (19790 Btu/h)                                                                                                   |
| Cooling power L35-L50                        | 1510 W (5152 Btu/h)                                                                                                                                                                                                                                                                          | 2250 W (7677 Btu/h)            | 2870 W (9793 Btu/h)            | 4350 W (14843 Btu/h)                                                                                                   |
| Air flow of the internal circuit (enclosure) | 860 m³/h                                                                                                                                                                                                                                                                                     | 1450 m³/h                      | 1450 m³/h                      | 1450 m³/h                                                                                                              |
| Air flow of the external circuit (ambient)   | 1050 m³/h                                                                                                                                                                                                                                                                                    | 1450 m³/h                      | 1450 m³/h                      | 2900 m³/h                                                                                                              |
| Thermostat type                              | Electronic                                                                                                                                                                                                                                                                                   | Electronic                     | Electronic                     | Electronic                                                                                                             |
| Temperature setting range                    | +20 ... +46°C                                                                                                                                                                                                                                                                                | +20 ... +46°C                  | +20 ... +46°C                  | +20 ... +46°C                                                                                                          |
| Maximum outside temperature                  | +55°C (+45°C)                                                                                                                                                                                                                                                                                | +55°C (+45°C)                  | +55°C (+45°C)                  | +50°C                                                                                                                  |
| Temperature range external circuit (ambient) | +20 ... +50°C (+20 ... +45°C)*                                                                                                                                                                                                                                                               | +20 ... +50°C (+20 ... +45°C)* | +20 ... +50°C (+20 ... +45°C)* | +20 ... +50°C                                                                                                          |
| Type of cooling gas                          | R134a                                                                                                                                                                                                                                                                                        | R134a                          | R134a                          | R407c                                                                                                                  |
| Cooling gas weight                           | 0.59 kg                                                                                                                                                                                                                                                                                      | 0.84 kg                        | 1.14 kg                        | 1.8 kg                                                                                                                 |
| Maximum pressure cooling circuit             | 25 bar (28 bar)*                                                                                                                                                                                                                                                                             | 25 bar (28 bar)*               | 25 bar (28 bar)*               | 27 bar                                                                                                                 |
| External filter                              | Optional, see page 505                                                                                                                                                                                                                                                                       | Optional, see page 505         | Optional, see page 505         | Polyurethane filter standard                                                                                           |
| <b>Electric characteristics</b>              |                                                                                                                                                                                                                                                                                              |                                |                                |                                                                                                                        |
| Input voltage                                | 3 x 400-460 V / 50-60 Hz*                                                                                                                                                                                                                                                                    | 3 x 400-460 V / 50-60 Hz*      | 3 x 400-460 V / 50-60 Hz*      | 3 x 400 V / 50 Hz                                                                                                      |
| Starting / Rated Intensity                   | 10 A / 2.5 A                                                                                                                                                                                                                                                                                 | 14 A / 2.6 A                   | 18 A / 3.6 A                   | 21.7 A / 5.9 A                                                                                                         |
| Power consumption absorbed L35-L35           | 970 W                                                                                                                                                                                                                                                                                        | 1220 W                         | 1780 W                         | 2340 W                                                                                                                 |
| Power consumption absorbed L35-L50           | 1150 W                                                                                                                                                                                                                                                                                       | 1440 W                         | 2050 W                         | 3880 W                                                                                                                 |
| Energy efficiency ratio (EER) L35-L35        | 2.1                                                                                                                                                                                                                                                                                          | 2.4                            | 2.2                            | 2.5                                                                                                                    |
| Thermal protection recommended (fuse)        | T6 A                                                                                                                                                                                                                                                                                         | T6 A                           | T8 A                           | T8 A                                                                                                                   |
| <b>Physical characteristics</b>              |                                                                                                                                                                                                                                                                                              |                                |                                |                                                                                                                        |
| External dimensions (H x W x D)              | 999 x 405 x 237 mm                                                                                                                                                                                                                                                                           | 1270 x 500 x 336 mm            | 1270 x 500 x 336 mm            | 2000 x 600 x 380 mm                                                                                                    |
| Protection degree IP internal /external      | IP55 / IP34                                                                                                                                                                                                                                                                                  | IP55 / IP34                    | IP55 / IP34                    | IP54 / IP34                                                                                                            |
| Noise level                                  | 65 dB                                                                                                                                                                                                                                                                                        | 70 dB                          | 70 dB                          | 72 dB                                                                                                                  |
| Weight of unit                               | 54 kg                                                                                                                                                                                                                                                                                        | 84 kg                          | 85 kg                          | 150 kg                                                                                                                 |
| <b>References</b>                            |                                                                                                                                                                                                                                                                                              |                                |                                |                                                                                                                        |
| Steel                                        | NSYCU2K3P4                                                                                                                                                                                                                                                                                   | NSYCU3K3P4                     | NSYCU4K3P4                     | NSYCU6K3P4**                                                                                                           |
| Stainless steel                              | NSYCUX2K3P4                                                                                                                                                                                                                                                                                  | NSYCUX3K3P4                    | NSYCUX4K3P4                    | -                                                                                                                      |
| Steel UL                                     | NSYCU2K3P4UL                                                                                                                                                                                                                                                                                 | NSYCU3K3P4UL                   | NSYCU4K3P4UL                   | -                                                                                                                      |
| Stainless steel UL                           | NSYCUX2K3P4UL                                                                                                                                                                                                                                                                                | NSYCUX3K3P4UL                  | NSYCUX4K3P4UL                  | -                                                                                                                      |

\* Certification UL only 60 Hz.

\*\* Available from 2016.



- Indoor
- Cannot be installed with enclosures with plinths

|                              |                              |                              |                              |                              |                              |                              |
|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| 6050 W (20643 Btu/h)         | 7600 W (25932 Btu/h)         | 7950 W (27126 Btu/h)         | 9400 W (32074 Btu/h)         | 9850 W (33610 Btu/h)         | 14800 W (50500 Btu/h)        | 15150 W (51694 Btu/h)        |
| 4350 W (14843 Btu/h)         | 5700 W (19449 Btu/h)         | 5930 W (20234 Btu/h)         | 7000 W (23885 Btu/h)         | 7350 W (25079 Btu/h)         | 11300 W (38557 Btu/h)        | 11600 W (39581 Btu/h)        |
| 1450 m³/h                    | 2900 m³/h                    | 2900 m³/h                    | 2900 m³/h                    | 2900 m³/h                    | 4300 m³/h                    | 4300 m³/h                    |
| 2900 m³/h                    | 2900 m³/h                    | 2900 m³/h                    | 2900 m³/h                    | 2900 m³/h                    | 5800 m³/h                    | 5800 m³/h                    |
| Electronic                   | Electronic                   | Electronic                   | Electronic                   | Electronic                   | Electronic                   | Electronic                   |
| +20 ... +46°C                | +20 ... +46°C                | +20 ... +46°C                | +20 ... +46°C                | +20 ... +46°C                | +20 ... +46°C                | +20 ... +46°C                |
| +50°C                        | +50°C                        | +50°C                        | +50°C                        | +50°C                        | +55°C                        | +55°C                        |
| +20 ... +50°C                | +20 ... +50°C                | +20 ... +50°C                | +20 ... +45°C                | +20 ... +45°C                | +20 ... +50°C                | +20 ... +50°C                |
| R407c                        | R134a                        | R134a                        | R134a                        | R134a                        | R410a                        | R410a                        |
| 1.8 kg                       | 2.8 kg                       | 2.8 kg                       | 2.3 kg                       | 2.3 kg                       | 3.5 kg                       | 3.5 kg                       |
| 27 bar                       | 27 bar                       | 27 bar                       | 27 bar                       | 27 bar                       | 39 bar                       | 39 bar                       |
| Polyurethane filter standard | Polyurethane filter standard | Polyurethane filter standard | Polyurethane filter standard | Polyurethane filter standard | Polyurethane filter standard | Polyurethane filter standard |
| 3 x 460 V / 60 Hz            | 3 x 400 V / 50 Hz            | 3 x 460 V / 60 Hz            | 3 x 400 V / 50 Hz            | 3 x 460 V / 60 Hz            | 3 x 400 V / 50 Hz            | 3 x 460 V / 60 Hz            |
| 23.5 A / 6.8 A               | 43.8 A / 7.2 A               | 44.5 A / 7.9 A               | 30.7 A / 9.1 A               | 32.5 A / 10.3 A              | 49 A / 11 A                  | 51 A / 11.8 A                |
| 2920 W                       | 3530 W                       | 4210 W                       | 3850 W                       | 4380 W                       | 5750 W                       | 6580 W                       |
| 4520 W                       | 4270 W                       | 5340 W                       | 5400 W                       | 6340 W                       | 6900 W                       | 7760 W                       |
| 2.1                          | 2.2                          | 1.9                          | 2.4                          | 2.2                          | 2.6                          | 2.3                          |
| T8 A                         | T10 A                        | T10 A                        | T18 A                        | T18 A                        | T20 A                        | T20 A                        |
| 2000 x 600 x 380 mm          | 2000 x 800 x 380 mm          | 2000 x 800 x 380 mm          | 2000 x 800 x 380 mm          | 2000 x 800 x 380 mm          | 2000 x 800 x 550 mm          | 2000 x 800 x 550 mm          |
| IP54 / IP34                  | IP54 / IP34                  | IP54 / IP34                  | IP54 / IP34                  | IP54 / IP34                  | IP54 / IP34                  | IP54 / IP34                  |
| 72 dB                        | 72 dB                        | 72 dB                        | 77 dB                        | 77 dB                        | 67 dB                        | 67 dB                        |
| 150 kg                       | 160 kg                       | 160 kg                       | 180 kg                       | 180 kg                       | 240 kg                       | 240 kg                       |
| <b>NSYCU6K3P460**</b>        | <b>NSYCU8K3P4**</b>          | <b>NSYCU8K3P460**</b>        | <b>NSYCU10K3P4**</b>         | <b>NSYCU10K3P460**</b>       | <b>NSYCU15K3P4**</b>         | <b>NSYCU15K3P460**</b>       |
| -                            | -                            | -                            | -                            | -                            | -                            | -                            |
| -                            | -                            | -                            | -                            | -                            | -                            | -                            |
| -                            | -                            | -                            | -                            | -                            | -                            | -                            |

New

### Cooling units



| Characteristics                              | Top-mounting models                                                                                                                                                                                                                                                                                                                                                                    |                                     |                                     |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|
|                                              | Cooling units for electrical control panels.                                                                                                                                                                                                                                                                                                                                           |                                     |                                     |
|                                              | <ul style="list-style-type: none"> <li>■ Respect for the environment by using environmentally friendly gas R134a (HFC).</li> <li>■ Alarm signal for door contact included in all models.</li> <li>■ Eyebolts included.</li> <li>■ Among best in class components.</li> <li>■ The external filter, not included as standard, is strongly recommended for harsh environments.</li> </ul> |                                     |                                     |
| Material                                     | RAL 7035 grey painted zinc-coated steel or stainless steel                                                                                                                                                                                                                                                                                                                             |                                     |                                     |
| Certifications                               | <ul style="list-style-type: none"> <li>■ CE declaration</li> <li>■ UL (only references ending with UL)</li> </ul>                                                                                                                                                                                                                                                                      |                                     |                                     |
| Installation                                 | Indoor                                                                                                                                                                                                                                                                                                                                                                                 |                                     |                                     |
| <b>Cooling characteristics</b>               |                                                                                                                                                                                                                                                                                                                                                                                        |                                     |                                     |
| Cooling power L35-L35                        | 410 W (1399 Btu/h)                                                                                                                                                                                                                                                                                                                                                                     | 820 W (2798 Btu/h)                  | 1150 W (3924 Btu/h)                 |
| Cooling power L35-L50                        | 240 W (819 Btu/h)                                                                                                                                                                                                                                                                                                                                                                      | 680 W (2320 Btu/h)                  | 900 W (3071 Btu/h)                  |
| Air flow of the internal circuit (enclosure) | 235 m³/h                                                                                                                                                                                                                                                                                                                                                                               | 570 m³/h                            | 570 m³/h                            |
| Air flow of the external circuit (ambient)   | 330 m³/h                                                                                                                                                                                                                                                                                                                                                                               | 860 m³/h                            | 1010 m³/h                           |
| Thermostat type                              | Electronic                                                                                                                                                                                                                                                                                                                                                                             | Electronic                          | Electronic                          |
| Temperature setting range                    | +20 ... +46°C                                                                                                                                                                                                                                                                                                                                                                          | +20 ... +46°C                       | +20 ... +46°C                       |
| Maximum outside temperature                  | +55°C                                                                                                                                                                                                                                                                                                                                                                                  | +55°C                               | +55°C                               |
| Temperature range external circuit (ambient) | +20 ... +55°C*<br>(+20 ... +50°C)**                                                                                                                                                                                                                                                                                                                                                    | +20 ... +55°C*<br>(+20 ... +50°C)** | +20 ... +55°C*<br>(+20 ... +50°C)** |
| Type of cooling gas                          | R134a                                                                                                                                                                                                                                                                                                                                                                                  | R134a                               | R134a                               |
| Cooling gas weight                           | 0.17 kg                                                                                                                                                                                                                                                                                                                                                                                | 0.31 kg                             | 0.63 kg                             |
| Maximum pressure cooling circuit             | 28 bar                                                                                                                                                                                                                                                                                                                                                                                 | 25 bar (28 bar)**                   | 25 bar (28 bar)**                   |
| External filter                              | Optional, see page 505                                                                                                                                                                                                                                                                                                                                                                 | Optional, see page 505              | Optional, see page 505              |
| <b>Electric characteristics</b>              |                                                                                                                                                                                                                                                                                                                                                                                        |                                     |                                     |
| Input voltage                                | 1 x 230 V / 50-60 Hz**                                                                                                                                                                                                                                                                                                                                                                 | 1 x 230 V / 50-60 Hz**              | 1 x 230 V / 50-60 Hz**              |
| Starting / Rated Intensity                   | 4 A / 1.5 A                                                                                                                                                                                                                                                                                                                                                                            | 12 A / 2.9 A                        | 11 A / 3.2 A                        |
| Power consumption absorbed L35-L35           | 230 W                                                                                                                                                                                                                                                                                                                                                                                  | 510 W                               | 550 W                               |
| Power consumption absorbed L35-L50           | 290 W                                                                                                                                                                                                                                                                                                                                                                                  | 560 W                               | 660 W                               |
| Energy efficiency ratio (EER) L35-L35        | 1.8                                                                                                                                                                                                                                                                                                                                                                                    | 1.6                                 | 2.1                                 |
| Thermal protection recommended (fuse)        | T4 A                                                                                                                                                                                                                                                                                                                                                                                   | T6 A                                | T6 A                                |
| <b>Physical characteristics</b>              |                                                                                                                                                                                                                                                                                                                                                                                        |                                     |                                     |
| External dimensions (H x W x D)              | 264 x 486 x 259 mm                                                                                                                                                                                                                                                                                                                                                                     | 340 x 600 x 340 mm                  | 415 x 567 x 401 mm                  |
| Protection degree IP internal /external      | IP54 / IP34                                                                                                                                                                                                                                                                                                                                                                            | IP54 / IP34                         | IP54 / IP34                         |
| Noise level                                  | 65 dB                                                                                                                                                                                                                                                                                                                                                                                  | 65 dB                               | 65 dB                               |
| Weight of unit                               | 18 kg                                                                                                                                                                                                                                                                                                                                                                                  | 23 kg                               | 40 kg                               |
| <b>References</b>                            |                                                                                                                                                                                                                                                                                                                                                                                        |                                     |                                     |
| Steel                                        | <b>NSYCU400R</b>                                                                                                                                                                                                                                                                                                                                                                       | <b>NSYCU800R</b>                    | <b>NSYCU1K2R</b>                    |
| Stainless steel                              | <b>NSYCUX400R</b>                                                                                                                                                                                                                                                                                                                                                                      | <b>NSYCUX800R</b>                   | <b>NSYCUX1K2R</b>                   |
| Steel UL                                     | <b>NSYCU400RUL</b>                                                                                                                                                                                                                                                                                                                                                                     | <b>NSYCU800RUL</b>                  | <b>NSYCU1K2RUL</b>                  |

\* 50°C at 60 Hz.

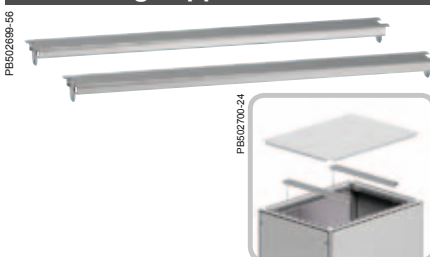
\*\* Certification UL only 60 Hz.



|  |                                     |                           |                                    |                                    |                                    |
|--|-------------------------------------|---------------------------|------------------------------------|------------------------------------|------------------------------------|
|  | 1550 W (5289 Btu/h)                 | 2050 W (6995 Btu/h)       | 2050 W (6995 Btu/h)                | 2900 W (9895 Btu/h)                | 3850 W (13137 Btu/h)               |
|  | 1200 W (4095 Btu/h)                 | 1560 W (5323 Btu/h)       | 1560 W (5323 Btu/h)                | 2250 W (7677 Btu/h)                | 2870 W (9793 Btu/h)                |
|  | 860 m³/h                            | 1050 m³/h                 | 1050 m³/h                          | 860 m³/h                           | 1450 m³/h                          |
|  | 1820 m³/h                           | 1820 m³/h                 | 1820 m³/h                          | 3410 m³/h                          | 3410 m³/h                          |
|  | Electronic                          | Electronic                | Electronic                         | Electronic                         | Electronic                         |
|  | +20 ... +46°C                       | +20 ... +46°C             | +20 ... +46°C                      | +20 ... +46°C                      | +20 ... +46°C                      |
|  | +55°C                               | +55°C (+50°C)**           | +50°C (+45°C)**                    | +50°C (+45°C)**                    | +50°C (+45°C)**                    |
|  | +20 ... +55°C*<br>(+20 ... +50°C)** | +20 ... +55°C*            | +20 ... +50°C<br>(+20 ... +45°C)** | +20 ... +50°C<br>(+20 ... +45°C)** | +20 ... +50°C<br>(+20 ... +45°C)** |
|  | R134a                               | R134a                     | R134a                              | R134a                              | R134a                              |
|  | 0.54 kg                             | 0.55 kg                   | 0.55 kg                            | 1.20 kg                            | 1.60 kg                            |
|  | 25 bar (28 bar)**                   | 25 bar                    | 25 bar (28 bar)**                  | 25 bar (28 bar)**                  | 25 bar (28 bar)**                  |
|  | Optional,<br>see page 505           | Optional,<br>see page 505 | Optional,<br>see page 505          | Optional, see page 505             | Optional, see page 505             |
|  | 1 x 230 V / 50-60 Hz**              | 1 x 230 V / 50-60 Hz      | 3 x 400-460 V /<br>50-60 Hz**      | 3 x 400-460 V /<br>50-60 Hz**      | 3 x 400-460 V /<br>50-60 Hz**      |
|  | 18 A / 4.5 A                        | 24 A / 6 A                | 10 A / 1.9 A                       | 15.7 A / 2.5 A                     | 17 A / 3.6 A                       |
|  | 810 W                               | 1150 W                    | 990 W                              | 1210 W                             | 1790 W                             |
|  | 930 W                               | 1250 W                    | 1190 W                             | 1450 W                             | 2010 W                             |
|  | 1.9                                 | 1.8                       | 2.1                                | 2.4                                | 2.2                                |
|  | T10 A                               | T10 A                     | T6 A                               | T6 A                               | T6 A                               |
|  | 415 x 567 x 401 mm                  | 415 x 567 x 401 mm        | 415 x 567 x 401 mm                 | 496 x 797 x 492 mm                 | 496 x 797 x 492 mm                 |
|  | IP54 / IP34                         | IP54 / IP34               | IP54 / IP34                        | IP54 / IP34                        | IP54 / IP34                        |
|  | 65 dB                               | 65 dB                     | 65 dB                              | 75 dB                              | 75 dB                              |
|  | 44 kg                               | 50 kg                     | 52 kg                              | 83 kg***                           | 86 kg***                           |
|  | <b>NSYCU1K5R</b>                    | <b>NSYCU2KR</b>           | <b>NSYCU2K3P4R</b>                 | <b>NSYCU3K3P4R</b>                 | <b>NSYCU4K3P4R</b>                 |
|  | <b>NSYCUX1K5R</b>                   | <b>NSYCUX2KR</b>          | <b>NSYCUX2K3P4R</b>                | <b>NSYCUX3K3P4R</b>                | <b>NSYCUX4K3P4R</b>                |
|  | <b>NSYCU1K5RUL</b>                  | -                         | <b>NSYCU2K3P4RUL</b>               | <b>NSYCU3K3P4RUL</b>               | <b>NSYCU4K3P4RUL</b>               |

\*\*\* To mount on roof of Spacial SF, it is mandatory to order the roof fixing support (see table below).

### Roof fixing support



To install heavy top-mounting models on Spacial SF (cooling units with weight > 65 kg).

- Material: steel.
- Colour: RAL 7035.
- Supply: 2 units.

|                    |                    |
|--------------------|--------------------|
| Depth 600 mm       | Depth 800 mm       |
| <b>NSYSUCR4060</b> | <b>NSYSUCR4080</b> |

New

### Outdoor Heavy Duty cooling units

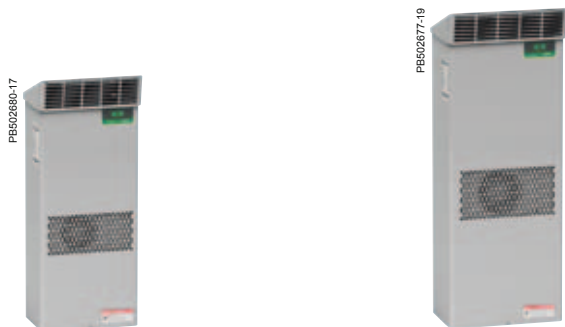


| Characteristics                              | Side-mounting models                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                           |                                           |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-------------------------------------------|
|                                              | Cooling units to be installed outdoors, in private areas, on electrical control panels. <ul style="list-style-type: none"> <li>■ Respect for the environment by using environmentally friendly gas R134a (HFC).</li> <li>■ Mechanical thermostats in all models.</li> <li>■ Alarm signal for door contact included in all models.</li> <li>■ Eyebolts included.</li> <li>■ Among best in class components.</li> <li>■ The external filter, not included as standard. The metallic filter is strongly recommended.</li> <li>■ Metallic canopy as standard.</li> <li>■ Anti-corrosive protection (class C3H).</li> <li>■ Inside components, including the condenser, coated with anti-corrosive protection.</li> </ul> |                                           |                                           |
| Material                                     | RAL 7035 grey painted zinc-coated steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                           |                                           |
| Certifications                               | CE declaration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                           |
| Installation                                 | Indoor or outdoor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                           |                                           |
| <b>Cooling characteristics</b>               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |                                           |
| Cooling power L35-L35                        | 380 W (1297 Btu/h)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 640 W (2184 Btu/h)                        | 820 W (2798 Btu/h)                        |
| Cooling power L35-L50                        | 240 W (819 Btu/h)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 470 W (1604 Btu/h)                        | 680 W (2320 Btu/h)                        |
| Air flow of the internal circuit (enclosure) | 280 m <sup>3</sup> /h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 330 m <sup>3</sup> /h                     | 330 m <sup>3</sup> /h                     |
| Air flow of the external circuit (ambient)   | 280 m <sup>3</sup> /h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 570 m <sup>3</sup> /h                     | 570 m <sup>3</sup> /h                     |
| Thermostat type                              | Mechanic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Mechanic                                  | Mechanic                                  |
| Temperature setting range                    | +20 ... +46°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | +20 ... +46°C                             | +20 ... +46°C                             |
| Maximum outside temperature                  | +55°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | +55°C                                     | +55°C                                     |
| Temperature range external circuit (ambient) | -20 ... +55°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -20 ... +55°C                             | -20 ... +55°C                             |
| Type of cooling gas                          | R134a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | R134a                                     | R134a                                     |
| Cooling gas weight                           | 0.16 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.23 kg                                   | 0.23 kg                                   |
| Maximum pressure cooling circuit             | 26 bar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 25 bar                                    | 25 bar                                    |
| External filter                              | Optional, see metallic filter on page 505                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Optional, see metallic filter on page 505 | Optional, see metallic filter on page 505 |
| <b>Electric characteristics</b>              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |                                           |
| Input voltage                                | 1 x 230 V / 50-60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1 x 230 V / 50-60 Hz                      | 1 x 230 V / 50-60 Hz                      |
| Starting / Rated Intensity                   | 6.0 A / 1.6 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8.1 A / 2.1 A                             | 10.8 A / 2.6 A                            |
| Power consumption absorbed L35-L35           | 280 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 400 W                                     | 440 W                                     |
| Power consumption absorbed L35-L50           | 330 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 470 W                                     | 490 W                                     |
| Energy efficiency ratio (EER) L35-L35        | 1.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1.6                                       | 1.9                                       |
| Thermal protection recommended (fuse)        | T4 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | T6 A                                      | T6 A                                      |
| <b>Physical characteristics</b>              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |                                           |
| External dimensions (H x W x D)              | 460 x 285 x 180 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 606 x 316 x 212 mm                        | 783 x 348 x 215 mm                        |
| Protection degree IP internal /external      | IP55 / IP34                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | IP55 / IP34                               | IP55 / IP34                               |
| Noise level                                  | 60 dB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 65 dB                                     | 65 dB                                     |
| Weight of unit                               | 17 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 21 kg                                     | 27 kg                                     |
| <b>References</b>                            | <b>NSYCUHD400</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>NSYCUHD600</b>                         | <b>NSYCUHD800</b>                         |



# Thermal management system

## Characteristics



|  |                                           |                                           |                                           |                                           |                                           |                                           |                                           |
|--|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
|  | 1000 W (3412 Btu/h)                       | 1000 W (3412 Btu/h)                       | 1600 W (5459 Btu/h)                       | 1600 W (5459 Btu/h)                       | 2000 W (6824 Btu/h)                       | 2900 W (9895 Btu/h)                       | 3850 W (13137 Btu/h)                      |
|  | 790 W (2696 Btu/h)                        | 790 W (2696 Btu/h)                        | 1230 W (4197 Btu/h)                       | 1230 W (4197 Btu/h)                       | 1510 W (5152 Btu/h)                       | 2250 W (7677 Btu/h)                       | 2870 W (9793 Btu/h)                       |
|  | 330 m³/h                                  | 330 m³/h                                  | 570 m³/h                                  | 570 m³/h                                  | 860 m³/h                                  | 1450 m³/h                                 | 1450 m³/h                                 |
|  | 570 m³/h                                  | 570 m³/h                                  | 1050 m³/h                                 | 1050 m³/h                                 | 1050 m³/h                                 | 1450 m³/h                                 | 1450 m³/h                                 |
|  | Mechanic                                  | Mechanic                                  | Mechanic                                  | Mechanic                                  | Mechanic                                  | Mechanic                                  | Mechanic                                  |
|  | +20 ... +46°C                             | +20 ... +46°C                             | +20 ... +46°C                             | +20 ... +46°C                             | +20 ... +46°C                             | +20 ... +46°C                             | +20 ... +46°C                             |
|  | +55°C                                     | +55°C                                     | +55°C                                     | +55°C                                     | +55°C                                     | +55°C                                     | +55°C                                     |
|  | -20 ... +55°C                             | -20 ... +50°C                             | -20 ... +55°C                             | -20 ... +50°C                             | -20 ... +55°C                             | -20 ... +50°C                             | -20 ... +50°C                             |
|  | R134a                                     | R134a                                     | R134a                                     | R134a                                     | R134a                                     | R134a                                     | R134a                                     |
|  | 0.23 kg                                   | 0.23 kg                                   | 0.45 kg                                   | 0.45 kg                                   | 0.59 kg                                   | 0.84 kg                                   | 1.14 kg                                   |
|  | 25 bar                                    | 25 bar                                    | 25 bar                                    | 25 bar                                    | 25 bar                                    | 25 bar                                    | 25 bar                                    |
|  | Optional, see metallic filter on page 505 | Optional, see metallic filter on page 505 | Optional, see metallic filter on page 505 | Optional, see metallic filter on page 505 | Optional, see metallic filter on page 505 | Optional, see metallic filter on page 505 | Optional, see metallic filter on page 505 |
|  | 1 x 230 V / 50-60 Hz                      | 2 x 400-440V / 50-60 Hz                   | 1 x 230 V / 50-60 Hz                      | 2 x 400-440V / 50-60 Hz                   | 3 x 400 V / 50-60 Hz                      | 3 x 400 V / 50-60 Hz                      | 3 x 400 V / 50-60 Hz                      |
|  | 10.5 A / 3 A                              | 8 A / 2 A                                 | 18 A / 5.4 A                              | 11 A / 2.9 A                              | 10 A / 2.5 A                              | 14 A / 2.6 A                              | 18 A / 3.6 A                              |
|  | 570 W                                     | 590 W                                     | 850 W                                     | 840 W                                     | 970 W                                     | 1220 W                                    | 1780 W                                    |
|  | 650 W                                     | 670 W                                     | 970 W                                     | 960 W                                     | 1150 W                                    | 1440 W                                    | 2050 W                                    |
|  | 1.8                                       | 1.7                                       | 1.9                                       | 1.9                                       | 2.1                                       | 2.4                                       | 2.2                                       |
|  | T6 A                                      | T4 A                                      | T10 A                                     | T6 A                                      | T6 A                                      | T6 A                                      | T8 A                                      |
|  | 783 x 348 x 215 mm                        | 783 x 348 x 215 (+58) mm                  | 999 x 405 x 237 mm                        | 999 x 405 x 237 mm                        | 999 x 405 x 237 mm                        | 1270 x 500 x 336 mm                       | 1270 x 500 x 336 mm                       |
|  | IP55 / IP34                               | IP55 / IP34                               | IP55 / IP34                               | IP55 / IP34                               | IP55 / IP34                               | IP55 / IP34                               | IP55 / IP34                               |
|  | 65 dB                                     | 65 dB                                     | 65 dB                                     | 65 dB                                     | 65 dB                                     | 70 dB                                     | 70 dB                                     |
|  | 28 kg                                     | 29 kg                                     | 40 kg                                     | 42 kg                                     | 54 kg                                     | 84 kg                                     | 85 kg                                     |
|  | <b>NSYCUHD1K</b>                          | <b>NSYCUHD1K2P4</b>                       | <b>NSYCUHD1K6</b>                         | <b>NSYCUHD1K62P4</b>                      | <b>NSYCUHD2K3P4</b>                       | <b>NSYCUHD3K3P4</b>                       | <b>NSYCUHD4K3P4</b>                       |

**New**

### Slim cooling units



| Characteristics                              |                                     | Side-mounting models                                                                                                                                                                                                                                                                                                                                                                    |                                     |                               |  |
|----------------------------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------|--|
|                                              |                                     | Cooling Units designed for control panels and switchboards.<br><ul style="list-style-type: none"> <li>■ Respect for the environment by using environmentally friendly gas R134a (HFC).</li> <li>■ Electronical thermostat included.</li> <li>■ 3 mounting positions (surface, half-flush and flush).</li> <li>■ Alarm Signal for contact door.</li> <li>■ Eyebolts included.</li> </ul> |                                     |                               |  |
| Material                                     |                                     | RAL 7035 grey painted zinc-coated steel                                                                                                                                                                                                                                                                                                                                                 |                                     |                               |  |
| Certifications                               |                                     | <ul style="list-style-type: none"> <li>■ CE declaration</li> <li>■ UL</li> </ul>                                                                                                                                                                                                                                                                                                        |                                     |                               |  |
| Installation                                 |                                     | <ul style="list-style-type: none"> <li>■ Indoor</li> <li>■ There is one unique cutout for all mounting positions and all slim models</li> </ul>                                                                                                                                                                                                                                         |                                     |                               |  |
| <b>Cooling characteristics</b>               |                                     |                                                                                                                                                                                                                                                                                                                                                                                         |                                     |                               |  |
| Cooling power L35-L35                        | 1100 W (3753 Btu/h)                 | 1100 W (3753 Btu/h)                                                                                                                                                                                                                                                                                                                                                                     | 1500 W (5118 Btu/h)                 | 1500 W (5118 Btu/h)           |  |
| Cooling power L35-L50                        | 860 W (2934 Btu/h)                  | 860 W (2934 Btu/h)                                                                                                                                                                                                                                                                                                                                                                      | 1150 W (3924 Btu/h)                 | 1150 W (3924 Btu/h)           |  |
| Air flow of the internal circuit (enclosure) | 860 m³/h                            | 860 m³/h                                                                                                                                                                                                                                                                                                                                                                                | 860 m³/h                            | 860 m³/h                      |  |
| Air flow of the external circuit (ambient)   | 860 m³/h                            | 860 m³/h                                                                                                                                                                                                                                                                                                                                                                                | 860 m³/h                            | 860 m³/h                      |  |
| Thermostat type                              | Electronic                          | Electronic                                                                                                                                                                                                                                                                                                                                                                              | Electronic                          | Electronic                    |  |
| Temperature setting range                    | +20 ... +46°C                       | +20 ... +46°C                                                                                                                                                                                                                                                                                                                                                                           | +20 ... +46°C                       | +20 ... +46°C                 |  |
| Maximum outside temperature                  | +55°C*<br>(+50°C)**                 | +50°C                                                                                                                                                                                                                                                                                                                                                                                   | +55°C*<br>(+50°C)**                 | +50°C                         |  |
| Temperature range external circuit (ambient) | +20 ... +55°C*<br>(+20 ... +50°C)** | +20 ... +50°C                                                                                                                                                                                                                                                                                                                                                                           | +20 ... +55°C*<br>(+20 ... +50°C)** | +20 ... +50°C                 |  |
| Type of cooling gas                          | R134a                               | R134a                                                                                                                                                                                                                                                                                                                                                                                   | R134a                               | R134a                         |  |
| Cooling gas weight                           | 0.5 kg                              | 0.5 kg                                                                                                                                                                                                                                                                                                                                                                                  | 0.46 kg                             | 0.46 kg                       |  |
| Maximum pressure cooling circuit             | 28 bar                              | 28 bar                                                                                                                                                                                                                                                                                                                                                                                  | 28 bar                              | 28 bar                        |  |
| External circuit filter                      | Optional,<br>see page 505           | Optional,<br>see page 505                                                                                                                                                                                                                                                                                                                                                               | Optional,<br>see page 505           | Optional,<br>see page 505     |  |
| <b>Electric characteristics</b>              |                                     |                                                                                                                                                                                                                                                                                                                                                                                         |                                     |                               |  |
| Input voltage                                | 1 x 230 V / 50-60 Hz**              | 2 x 400-460 V /<br>50-60 Hz**                                                                                                                                                                                                                                                                                                                                                           | 1 x 230 V / 50-60 Hz**              | 2 x 400-460 V /<br>50-60 Hz** |  |
| Starting / Rated Intensity                   | 11 A / 4.8 A                        | 8.5 A / 2.7 A                                                                                                                                                                                                                                                                                                                                                                           | 18 A / 5.7 A                        | 11 A / 3.2 A                  |  |
| Power consumption absorbed L35-L35           | 660 W                               | 660 W                                                                                                                                                                                                                                                                                                                                                                                   | 840 W                               | 840 W                         |  |
| Power consumption absorbed L35-L50           | 790 W                               | 790 W                                                                                                                                                                                                                                                                                                                                                                                   | 970 W                               | 970 W                         |  |
| Energy efficiency ratio (EER) L35-L35        | 1.7                                 | 1.7                                                                                                                                                                                                                                                                                                                                                                                     | 1.8                                 | 1.8                           |  |
| Thermal protection recommended (fuse)        | T6 A                                | T4 A                                                                                                                                                                                                                                                                                                                                                                                    | T10 A                               | T6 A                          |  |
| <b>Physical characteristics</b>              |                                     |                                                                                                                                                                                                                                                                                                                                                                                         |                                     |                               |  |
| External dimensions (H x W x D)              | 495 x 1696 x 195 mm                 | 495 x 1696 x 195 mm                                                                                                                                                                                                                                                                                                                                                                     | 495 x 1696 x 195 mm                 | 495 x 1696 x 195 mm           |  |
| Protection degree IP internal /external      | IP55 / IP34                         | IP55 / IP34                                                                                                                                                                                                                                                                                                                                                                             | IP55 / IP34                         | IP55 / IP34                   |  |
| Noise level                                  | 64 dB                               | 64 dB                                                                                                                                                                                                                                                                                                                                                                                   | 66 dB                               | 66 dB                         |  |
| Weight of unit                               | 50 kg                               | 52 kg                                                                                                                                                                                                                                                                                                                                                                                   | 55 kg                               | 57 kg                         |  |
| <b>References</b>                            |                                     |                                                                                                                                                                                                                                                                                                                                                                                         |                                     |                               |  |
| Steel UL                                     | NSYCUS1K1UL                         | NSYCUS1K12P4UL                                                                                                                                                                                                                                                                                                                                                                          | NSYCUS1K5UL                         | NSYCUS1K52P4UL                |  |
| Stainless steel UL                           | NSYCUSX1K1UL                        | NSYCUSX1K12P4UL                                                                                                                                                                                                                                                                                                                                                                         | NSYCUSX1K5UL                        | NSYCUSX1K52P4UL               |  |

\* 50°C at 60 Hz.

\*\* Certification UL only 60 Hz.



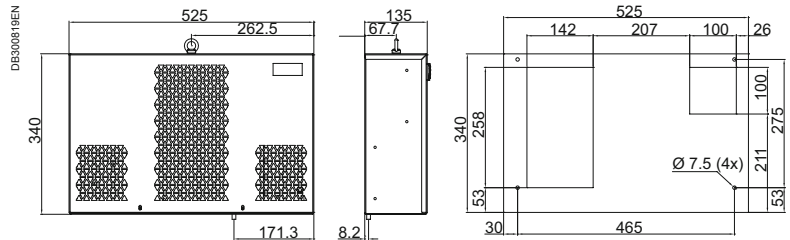
|  |                        |                                           |                        |                                           |                        |                                           |
|--|------------------------|-------------------------------------------|------------------------|-------------------------------------------|------------------------|-------------------------------------------|
|  | 2000 W (6824 Btu/h)    | 2000 W (6824 Btu/h)                       | 2500 W (8530 Btu/h)    | 2500 W (8530 Btu/h)                       | 3200 W (10919 Btu/h)   | 3200 W (10919 Btu/h)                      |
|  | 1550 W (5289 Btu/h)    | 1550 W (5289 Btu/h)                       | 1850 W (6312 Btu/h)    | 1850 W (6312 Btu/h)                       | 2500 W (8530 Btu/h)    | 2500 W (8530 Btu/h)                       |
|  | 860 m³/h               | 860 m³/h                                  | 1450 m³/h              | 1450 m³/h                                 | 1450 m³/h              | 1450 m³/h                                 |
|  | 1050 m³/h              | 1050 m³/h                                 | 1450 m³/h              | 1450 m³/h                                 | 1450 m³/h              | 1450 m³/h                                 |
|  | Electronic             | Electronic                                | Electronic             | Electronic                                | Electronic             | Electronic                                |
|  | +20 ... +46°C          | +20 ... +46°C                             | +20 ... +46°C          | +20 ... +46°C                             | +20 ... +46°C          | +20 ... +46°C                             |
|  | +50°C                  | +55°C*<br>(+50°C)**                       | +50°C                  | +55°C*<br>(+50°C)**                       | +50°C                  | +55°C*<br>(+50°C)**                       |
|  | +20 ... +50°C          | +20 ... +55°C*<br>(+20 ... +50°C)**       | +20 ... +50°C          | +20 ... +55°C*<br>(+20 ... +50°C)**       | +20 ... +50°C          | +20 ... +55°C*<br>(+20 ... +50°C)**       |
|  | R134a                  | R134a                                     | R134a                  | R134a                                     | R134a                  | R134a                                     |
|  | 0.51 kg                | 0.59 kg                                   | 1.2 kg                 | 1.2 kg                                    | 0.85 kg                | 1.25 kg                                   |
|  | 28 bar                 | 28 bar                                    | 28 bar                 | 28 bar                                    | 28 bar                 | 28 bar                                    |
|  | Optional, see page 505 | Optional, see page 505                    | Optional, see page 505 | Optional, see page 505                    | Optional, see page 505 | Optional, see page 505                    |
|  | 1 x 230 V / 60 Hz      | 3 x 400 V / 50 Hz<br>(3 x 460 V / 60 Hz)* | 1 x 230 V / 60 Hz      | 3 x 400 V / 50 Hz<br>(3 x 460 V / 60 Hz)* | 1 x 230 V / 60 Hz      | 3 x 400 V / 50 Hz<br>(3 x 460 V / 60 Hz)* |
|  | 24 A / 6.5 A           | 10 A / 2.4 A<br>(10 A / 2.1 A)*           | 35 A / 10.5 A          | 14 A / 3.3 A<br>(14 A / 2.9 A)*           | 37 A / 10.5 A          | 18 A / 3.5 A<br>(18 A / 3.1 A)*           |
|  | 1020 W                 | 1060 W                                    | 1340 W                 | 1270 W                                    | 1720 W                 | 1650 W                                    |
|  | 1160 W                 | 1270 W                                    | 1580 W                 | 1510 W                                    | 2000 W                 | 1980 W                                    |
|  | 2.0                    | 1.9                                       | 1.9                    | 2.0                                       | 1.9                    | 1.9                                       |
|  | T10 A                  | T6 A                                      | T16 A                  | T6 A                                      | T16 A                  | T6 A                                      |
|  | 495 x 1696 x 195 mm    | 495 x 1696 x 195 mm                       | 495 x 1696 x 235 mm    | 495 x 1696 x 235 mm                       | 495 x 1696 x 235 mm    | 495 x 1696 x 235 mm                       |
|  | IP55 / IP34            | IP55 / IP34                               | IP55 / IP34            | IP55 / IP34                               | IP55 / IP34            | IP55 / IP34                               |
|  | 67 dB                  | 67 dB                                     | 69 dB                  | 69 dB                                     | 69 dB                  | 69 dB                                     |
|  | 63 kg                  | 65 kg                                     | 78 kg                  | 80 kg                                     | 78 kg                  | 80 kg                                     |
|  | <b>NSYCUS2KUL</b>      | <b>NSYCUS2K3P460UL</b>                    | <b>NSYCUS2K5UL</b>     | <b>NSYCUS2K53P4UL</b>                     | <b>NSYCUS3K2UL</b>     | <b>NSYCUS3K23P4UL</b>                     |
|  | <b>NSYCUSX2KUL</b>     | <b>NSYCUSX2K3P4UL</b>                     | <b>NSYCUSX2K5UL</b>    | <b>NSYCUSX2K53P4UL</b>                    | <b>NSYCUSX3K2UL</b>    | <b>NSYCUSX3K23P4UL</b>                    |

New

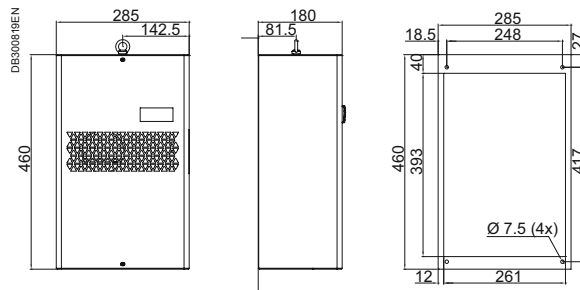
### Cooling units

#### Side-mounting models: dimensions and cut-outs

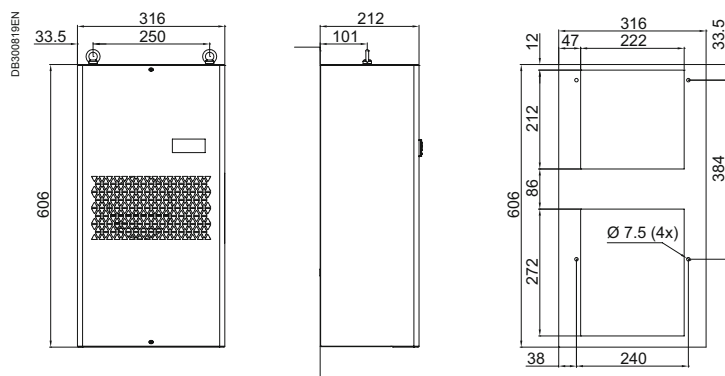
##### NSYCU300H



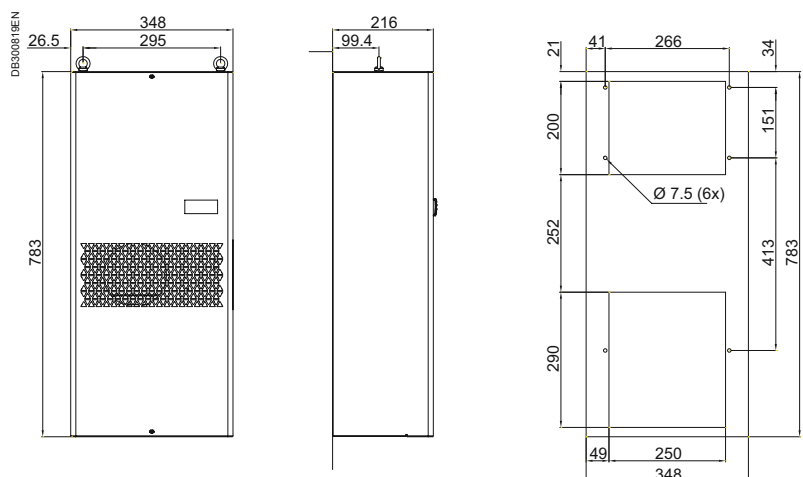
##### NSYCU•400•



##### NSYCU•600•



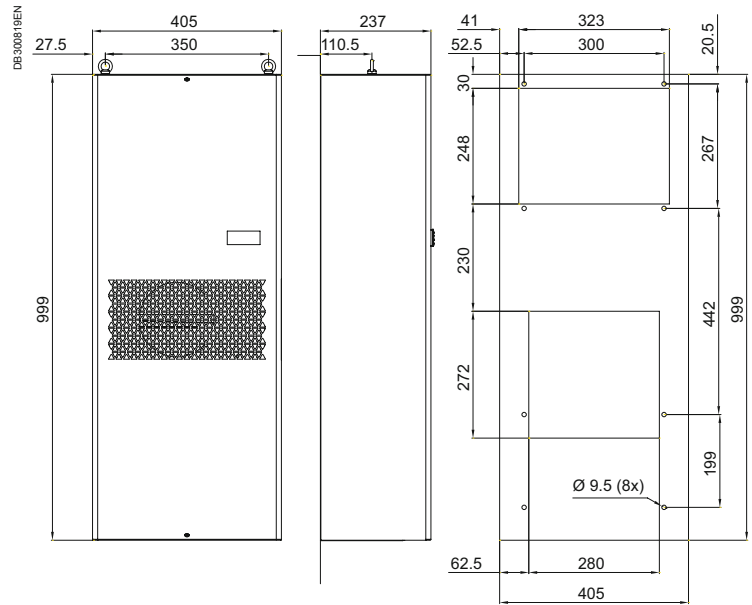
##### NSYCU•800• - NSYCU•1K•



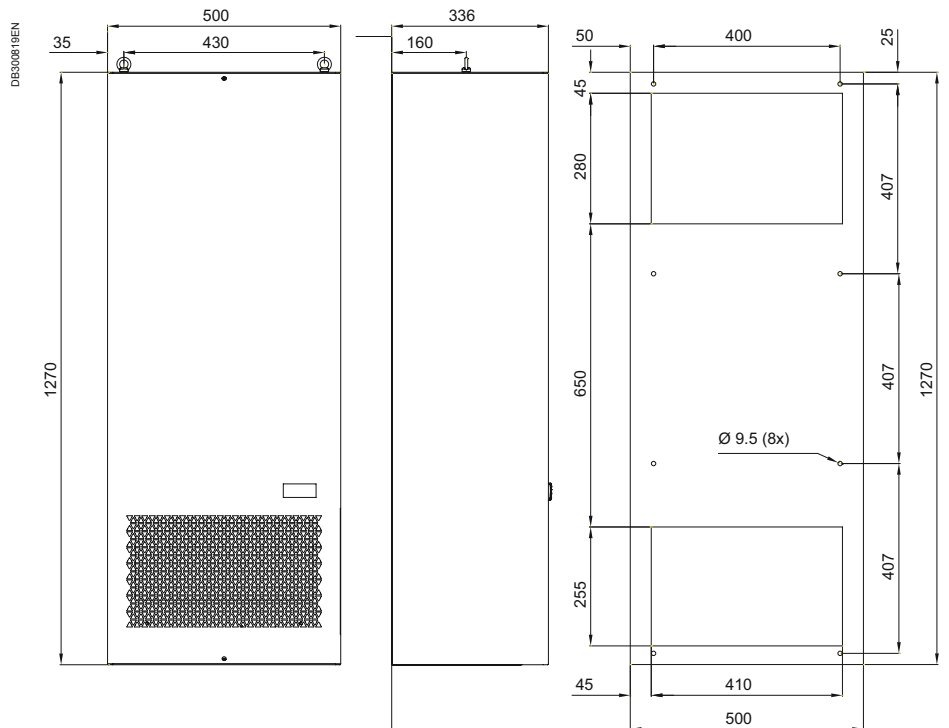
Units of measurement are mm.

New

### NSYCU••1K2•• - NSYCU••1K6•• - NSYCU••2K••



### NSYCU••3K3P4•• - NSYCU••4K3P4••



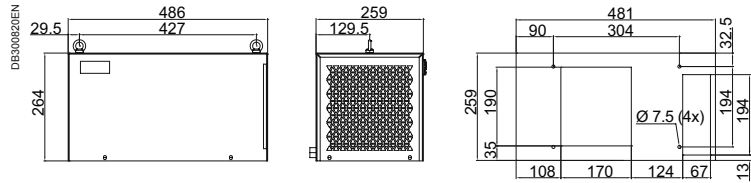
Units of measurement are mm.

New

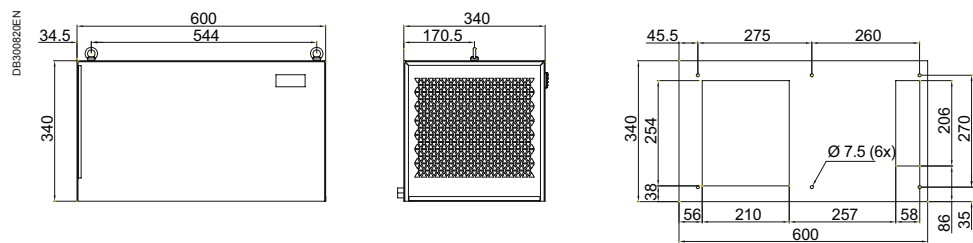
### Cooling units

#### Top-mounting models: dimensions and cut-outs

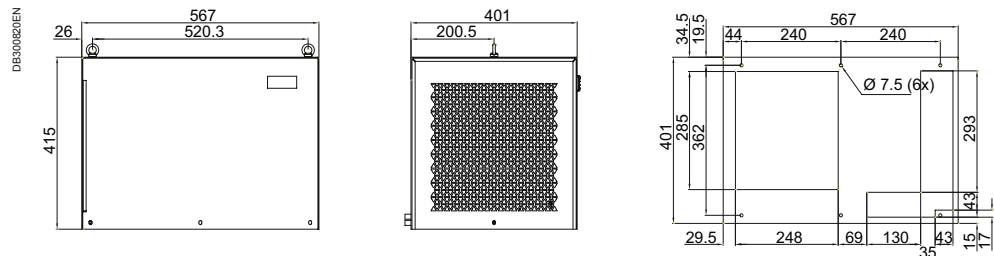
##### NSYCU••400R••



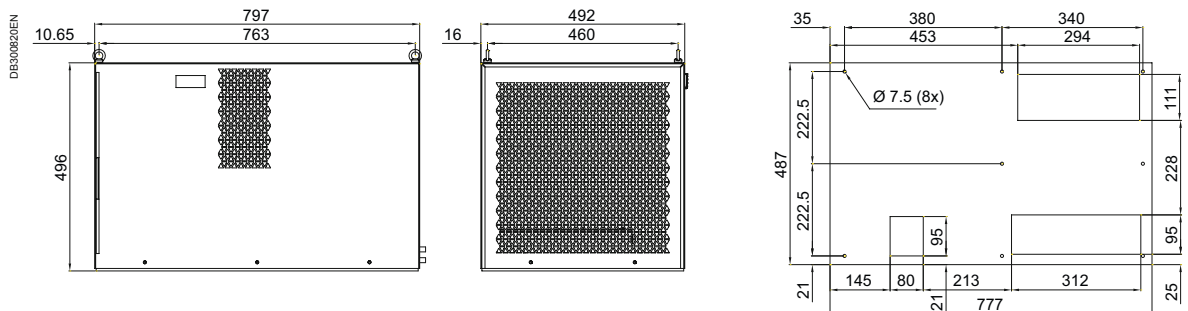
##### NSYCU••800R••



##### NSYCU••1K2R•• - NSYCU••1K5R•• - NSYCU••2K••R••



##### NSYCU••3K3P4R•• - NSYCU••4K3P4R••

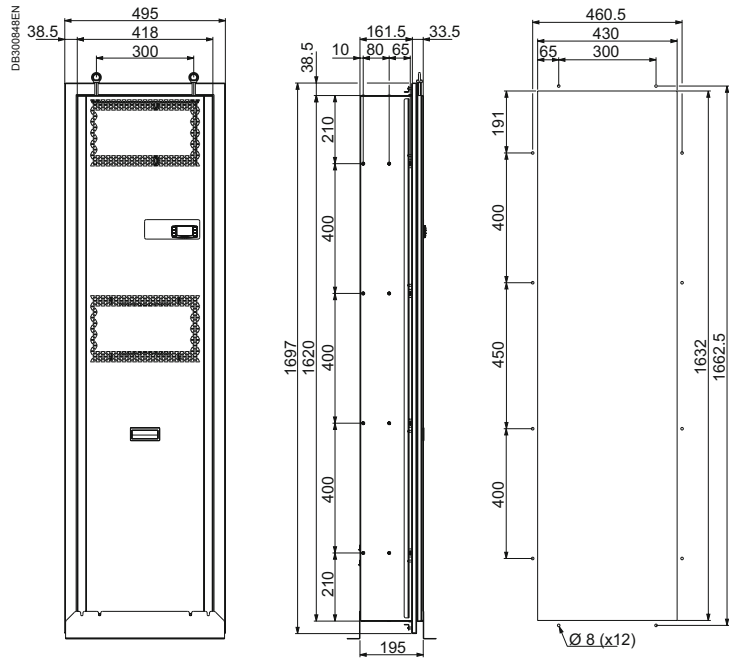


Units of measurement are mm.

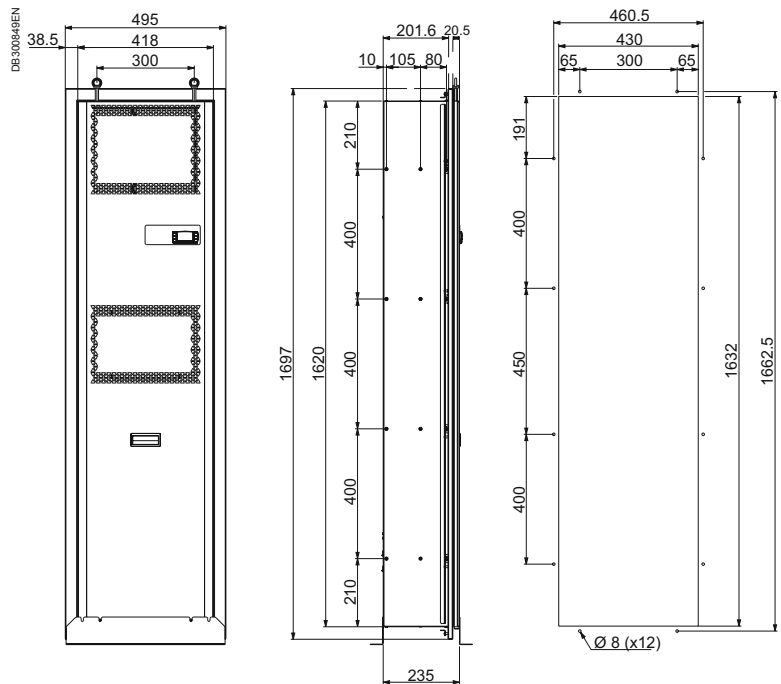
New

### Slim cooling units

#### NSYCUS•1K1• - NSYCUS•1K5• - NSYCUS•2K•



#### NSYCUS•2K5• - NSYCUS•3K2•



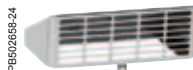
Units of measurement are mm.

New



| Characteristics      | Cooling units         |                 |                 |                 |                 |   |
|----------------------|-----------------------|-----------------|-----------------|-----------------|-----------------|---|
|                      | IEC                   |                 |                 | UL              |                 |   |
|                      | Steel                 | Stainless steel | Outdoor         | Steel           | Stainless steel |   |
| Material             |                       |                 |                 |                 |                 |   |
| Colour               |                       |                 |                 |                 |                 |   |
| Installation         |                       |                 |                 |                 |                 |   |
| Supply               |                       |                 |                 |                 |                 |   |
| <b>References</b>    |                       |                 |                 |                 |                 |   |
| <b>Cooling units</b> |                       |                 |                 |                 |                 |   |
| Side-mounting models | NSYCU300H             | -               | -               | -               | -               |   |
|                      | NSYCU400              | NSYCUX400       | NSYCUHD400      | NSYCU400UL      | -               |   |
|                      | NSYCU600              | NSYCUX600       | NSYCUHD600      | NSYCU600UL      | NSYCUX600UL     |   |
|                      | NSYCU800              | NSYCUX800       | NSYCUHD800      | NSYCU800UL      | NSYCUX800UL     |   |
|                      | NSYCU1K               | NSYCUX1K        | NSYCUHD1K       | NSYCU1KUL       | NSYCUX1KUL      |   |
|                      | NSYCU1K2P4            | NSYCUX1K2P4     | NSYCUHD1K2P4    | NSYCU1K2P4UL    | NSYCUX1K2P4UL   |   |
|                      | NSYCU1K2              | NSYCUX1K2       | -               | NSYCU1K2UL      | NSYCUX1K2UL     |   |
|                      | NSYCU1K22P4           | NSYCUX1K22P4    | -               | -               | -               |   |
|                      | NSYCU1K6              | NSYCUX1K6       | NSYCUHD1K6      | NSYCU1K6UL      | NSYCUX1K6UL     |   |
|                      | NSYCU1K62P4           | NSYCUX1K62P4    | NSYCUHD1K62P4   | NSYCU1K62P4UL   | NSYCUX1K62P4UL  |   |
|                      | NSYCU2K               | NSYCUX2K        | -               | NSYCU2KUL       | NSYCUX2KUL      |   |
|                      | NSYCU2K3P4            | NSYCUX2K3P4     | NSYCUHD2K3P4    | NSYCU2K3P4UL    | NSYCUX2K3P4UL   |   |
|                      | NSYCU3K3P4            | NSYCUX3K3P4     | NSYCUHD3K3P4    | NSYCU3K3P4UL    | NSYCUX3K3P4UL   |   |
|                      | NSYCU4K3P4            | NSYCUX4K3P4     | NSYCUHD4K3P4    | NSYCU4K3P4UL    | NSYCUX4K3P4UL   |   |
|                      | Floor-standing models | NSYCU6K3P4      | -               | -               | -               | - |
|                      |                       | NSYCU6K3P460    | -               | -               | -               | - |
| NSYCU8K3P4           |                       | -               | -               | -               | -               |   |
| NSYCU8K3P460         |                       | -               | -               | -               | -               |   |
| NSYCU10K3P4          |                       | -               | -               | -               | -               |   |
| NSYCU10K3P460        |                       | -               | -               | -               | -               |   |
| NSYCU15K3P4          |                       | -               | -               | -               | -               |   |
| NSYCU15K3P460        |                       | -               | -               | -               | -               |   |
| Top-mounting model   | NSYCU400R             | NSYCUX400R      | -               | NSYCU400RUL     | -               |   |
|                      | NSYCU800R             | NSYCUX800R      | -               | NSYCU800RUL     | -               |   |
|                      | NSYCU1K2R             | NSYCUX1K2R      | -               | NSYCU1K2RUL     | -               |   |
|                      | NSYCU1K5R             | NSYCUX1K5R      | -               | NSYCU1K5RUL     | -               |   |
|                      | NSYCU2K3P4R           | NSYCUX2K3P4R    | -               | NSYCU2K3P4RUL   | -               |   |
|                      | NSYCU2KR              | NSYCUX2KR       | -               | -               | -               |   |
|                      | NSYCU3K3P4R           | NSYCUX3K3P4R    | -               | NSYCU3K3P4RUL   | -               |   |
|                      | NSYCU4K3P4R           | NSYCUX4K3P4R    | -               | NSYCU4K3P4RUL   | -               |   |
|                      | -                     | -               | -               | NSYCUS1K1UL     | NSYCUXS1K1UL    |   |
|                      | -                     | -               | -               | NSYCUS1K12P4UL  | NSYCUXS1K12P4UL |   |
| -                    | -                     | -               | NSYCUS1K5UL     | NSYCUXS1K5UL    |                 |   |
| -                    | -                     | -               | NSYCUS1K52P4UL  | NSYCUXS1K52P4UL |                 |   |
| -                    | -                     | -               | NSYCUS2KUL      | NSYCUXS2KUL     |                 |   |
| -                    | -                     | -               | NSYCUS2K3P460UL | NSYCUXS2K3P4UL  |                 |   |
| -                    | -                     | -               | NSYCUS2K5UL     | NSYCUXS2K5UL    |                 |   |
| -                    | -                     | -               | NSYCUS2K53P4UL  | NSYCUXS2K53P4UL |                 |   |
| -                    | -                     | -               | NSYCUS3K2UL     | NSYCUXS3K2UL    |                 |   |
| -                    | -                     | -               | NSYCUS3K23P4UL  | NSYCUXS3K23P4UL |                 |   |



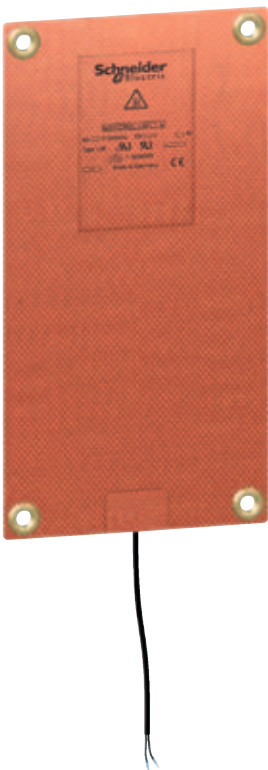


| Filters                                                                   |                                                                        | Canopy for ClimaSys CU                                                                           | Internal deflector                     | Retrofit panel                                                                                                     |  |
|---------------------------------------------------------------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------|--------------------------------------------------------------------------------------------------------------------|--|
| Plastic filter for ClimaSys Cu offer. Not recommended for outdoor models. | Metallic filter for ClimaSys Cu offer. Recommended for outdoor models. | This canopy is highly recommended for harsh indoor environments to protect from ingress of dust. | Deflects the air inside the enclosure. | Panel that enable to mount a new ClimaSys CE or CU units by replacement of old Schneider Electric cooling systems. |  |
| Polyurethane                                                              | Micro-stretched aluminium                                              | Painted zinc coated                                                                              | Zinc coated                            | Metal painted                                                                                                      |  |
| Black                                                                     | -                                                                      | RAL 7035                                                                                         | RAL 7035                               | RAL 7035                                                                                                           |  |
| Indoor                                                                    | Indoor or outdoor                                                      | Indoor                                                                                           | Indoor or outdoor                      | Indoor                                                                                                             |  |
| 5 units                                                                   | 1 unit                                                                 | 1 unit                                                                                           | 1 unit with fixing elements            | 1 unit                                                                                                             |  |
|                                                                           |                                                                        |                                                                                                  |                                        | Old Schneider Electric cooling system                                                                              |  |

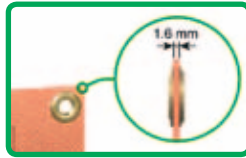
|                |                 |                 |              |                |                 |                  |
|----------------|-----------------|-----------------|--------------|----------------|-----------------|------------------|
| -              | -               | -               | -            | -              | -               | -                |
| NSYCUF400      | NSYCUFX400      | NSYCUCN400HD    | NSYCU400     | NSYCURFT400    | NSYCU240W230VL  | NSYCU370W230VL   |
| NSYCUF600      | NSYCUFX600      | NSYCUCN600HD    | NSYCU600     | -              | -               | -                |
| NSYCUF800T1K   | NSYCUFX800T1K   | NSYCUCN800T1KHD | NSYCU800T1K  | NSYCURFT800T1K | NSYCU760W230VL  | NSYCU1100W230L   |
| NSYCUF800T1K   | NSYCUFX800T1K   | NSYCUCN800T1KHD | NSYCU800T1K  | NSYCURFT800T1K | NSYCU1050W230VL | -                |
| NSYCUF800T1K   | NSYCUFX800T1K   | NSYCUCN800T1KHD | NSYCU1K2T2K  | NSYCURFT800T1K | -               | -                |
| NSYCUF1KT2K    | NSYCUFX1K2T2K   | NSYCUCN1K2T2KHD | NSYCU1K2T2K  | -              | -               | -                |
| NSYCUF1KT2K    | NSYCUFX1K2T2K   | NSYCUCN1K2T2KHD | NSYCU1K2T2K  | -              | -               | -                |
| NSYCUF1KT2K    | NSYCUFX1K2T2K   | NSYCUCN1K2T2KHD | NSYCU1K2T2K  | NSYCURFT1K6T2K | NSYCUE1400W230L | NSYCUE1650W230VL |
| NSYCUF1KT2K    | NSYCUFX1K2T2K   | NSYCUCN1K2T2KHD | NSYCU1K2T2K  | NSYCURFT1K6T2K | NSYCUE1400W400L | -                |
| NSYCUF1KT2K    | NSYCUFX1K2T2K   | NSYCUCN1K2T2KHD | NSYCU1K2T2K  | -              | -               | -                |
| NSYCUF1KT2K    | NSYCUFX1K2T2K   | NSYCUCN1K2T2KHD | NSYCU1K2T2K  | NSYCURFT1K6T2K | NSYCU1800W400VL | NSYCUE1800W400L  |
| NSYCUF3KT4K    | NSYCUFX3KT4K    | NSYCUCN3KT4KHD  | NSYCU3KT4K   | NSYCURFT3KT4K  | NSYCU2500W400VL | NSYCU4000W400VL  |
| NSYCUF3KT4K    | NSYCUFX3KT4K    | NSYCUCN3KT4KHD  | NSYCU3KT4K   | NSYCURFT3KT4K  | -               | -                |
| NSYCUF6K       | NSYCUFX6K       | -               | -            | -              | -               | -                |
| NSYCUF6K       | NSYCUFX6K       | -               | -            | -              | -               | -                |
| NSYCUF8KT10K   | NSYCUFX8KT10K   | -               | -            | -              | -               | -                |
| NSYCUF8KT10K   | NSYCUFX8KT10K   | -               | -            | -              | -               | -                |
| NSYCUF8KT10K   | NSYCUFX8KT10K   | -               | -            | -              | -               | -                |
| NSYCUF8KT10K   | NSYCUFX8KT10K   | -               | -            | -              | -               | -                |
| NSYCUF15K      | NSYCUFX15K      | -               | -            | -              | -               | -                |
| NSYCUF15K      | NSYCUFX15K      | -               | -            | -              | -               | -                |
| NSYCUF400R     | NSYCUFX400R     | -               | -            | -              | -               | -                |
| NSYCUF800R     | NSYCUFX800R     | -               | -            | NSYCURFT800R   | NSYCU760W230VR  | -                |
| NSYCUF1K2T2KR  | NSYCUFX1K2T2KR  | -               | -            | NSYCURFT1K2T2K | NSYCU1050W230VR | -                |
| NSYCUF1K2T2KR  | NSYCUFX1K2T2KR  | -               | -            | NSYCURFT1K2T2K | NSYCUE1400W230R | NSYCU1460W230VR  |
| NSYCUF1K2T2KR  | NSYCUFX1K2T2KR  | -               | -            | -              | NSYCU1650W230VR | -                |
| NSYCUF1K2T2KR  | NSYCUFX1K2T2KR  | -               | -            | NSYCURFT1K2T2K | NSYCUE1800W400R | NSYCU2000W400VR  |
| NSYCUF1K2T2KR  | NSYCUFX1K2T2KR  | -               | -            | -              | -               | -                |
| NSYCUF3KT4KR   | NSYCUFX3KT4KR   | -               | -            | NSYCURFT3K     | NSYCU2450W400VR | NSYCU3100W400VR  |
| NSYCUF3KT4KR   | NSYCUFX3KT4KR   | -               | -            | -              | -               | -                |
| NSYCUF1K1T2KS  | NSYCUFX1K1T2KS  | -               | NSYCU1K1T1K5 | -              | NSYCU1100W230S  | -                |
| NSYCUF1K1T2KS  | NSYCUFX1K1T2KS  | -               | NSYCU1K1T1K5 | -              | NSYCU1100W400S  | -                |
| NSYCUF1K1T2KS  | NSYCUFX1K1T2KS  | -               | NSYCU1K1T1K5 | -              | NSYCU1500W230S  | -                |
| NSYCUF1K1T2KS  | NSYCUFX1K1T2KS  | -               | NSYCU1K1T1K5 | -              | NSYCU1500W400S  | -                |
| NSYCUF1K1T2KS  | NSYCUFX1K1T2KS  | -               | NSYCU1K1T1K5 | -              | NSYCU2200W230S  | -                |
| NSYCUF1K1T2KS  | NSYCUFX1K1T2KS  | -               | NSYCU1K1T1K5 | -              | NSYCU2200W400S  | -                |
| NSYCUF2K5T3K2S | NSYCUFX2K5T3K2S | -               | NSYCU1K1T1K5 | -              | NSYCU2700W230S  | -                |
| NSYCUF2K5T3K2S | NSYCUFX2K5T3K2S | -               | NSYCU1K1T1K5 | -              | NSYCU2700W400S  | -                |
| NSYCUF2K5T3K2S | NSYCUFX2K5T3K2S | -               | NSYCU1K1T1K5 | -              | NSYCU2700W230S  | -                |
| NSYCUF2K5T3K2S | NSYCUFX2K5T3K2S | -               | NSYCU1K1T1K5 | -              | NSYCU2700W400S  | -                |

➤ Ultra thin resistance heaters have been designed to resolve condensation problems in the most complex installations. Is your enclosure short of space? Does your mounting plate make it impossible to install a conventional resistor? Do you not want to take out the equipment? Discover the benefits of this new offer and its numerous mounting solutions.

PF502042-40

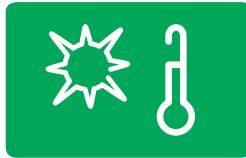


PF502437-32



### Minimum thickness

They are extremely slim: 1.6 mm. As a result the usable space in the cabinet has been optimised for installing equipment. This can increase the usable space by up to 30 %!



### Heat and safety

The heat is distributed over the whole surface and does not exceed 70°C. This temperature allows devices next to the heater to be handled safely.

PF502046-22



### Multiple options for fixing

Innovative quick-fixing system using Velcro pads (no need for a tool!) or with basic fixing accessories (screw + spacer). These systems make it easy to move the heater if necessary.

PF502522-16



### Numerous positions for installation

These heaters are so slim and flexible they can be installed in a variety of positions:

- Vertically on side panels
- On the mounting plate.



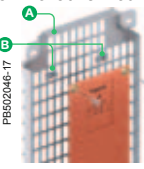
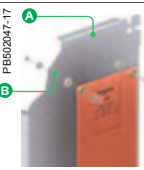
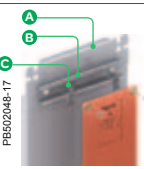
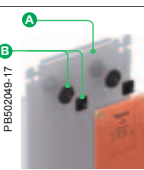
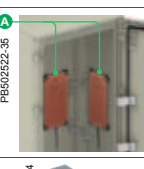
### Low starting current: Energy Efficiency

Ultra thin resistance heaters are ohmic: they therefore have a low starting current.



### No interference emissions

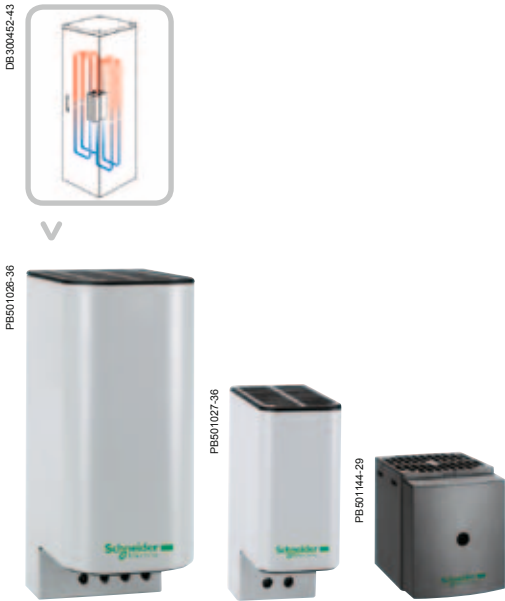
These resistors can be installed near electronic equipment to guarantee optimum heat without the risk of electromagnetic interference.

| Ultra thin resistance heaters |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description                   | Flexible, ultra thin resistance heaters to be installed inside the enclosure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Material                      | Silicon reinforced with fibreglass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Colour                        | Red (heaters), black (wires)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Certifications                | VDE, LR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Installation                  | <p>5 innovative mounting solutions:</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">  <p>PB502046-17</p> </div> <div style="width: 45%;"> <p><b>1 - On a Telequick mounting plate</b><br/> <b>A:</b> Telequick mounting plate, ref. <b>NSYMR●●●●</b><br/> <b>B:</b> Telequick nuts, ref. <b>AF1EA●</b>, supplied with the mounting kit</p> </div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">  <p>PB502047-17</p> </div> <div style="width: 45%;"> <p><b>2 - On plain or micro-perforated mounting plate with fixing hardware</b><br/> <b>A:</b> Mounting plate, ref. <b>NSYMM●●●●</b><br/> <b>B:</b> Fixing hardware included in the mounting kit</p> </div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">  <p>PB502048-17</p> </div> <div style="width: 45%;"> <p><b>3 - On DIN rail</b><br/> <b>A:</b> Mounting plate, ref. <b>NSYMM●●●●</b><br/> <b>B:</b> Symmetrical DIN rail, ref. <b>NSYSDR●●●●</b><br/> <b>C:</b> Clip-on nuts, ref. <b>AF1CG●</b>, supplied with the mounting kit</p> </div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">  <p>PB502049-17</p> </div> <div style="width: 45%;"> <p><b>4 - On plain mounting plate with self-adhesive Velcro pads</b><br/> <b>A:</b> Mounting plate, ref. <b>NSYMM●●●●</b><br/> <b>B:</b> Self-adhesive Velcro pad and plastic fixings supplied with the mounting kit</p> </div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">  <p>PB502052-35</p> </div> <div style="width: 45%;"> <p><b>5 - On wall with self-adhesive Velcro pads</b><br/> <b>A:</b> Self-adhesive Velcro pads and plastic fixings supplied in the mounting kit</p> </div> </div> |

| Ultra thin resistance heaters* |             |                    |             |            |            |                       |
|--------------------------------|-------------|--------------------|-------------|------------|------------|-----------------------|
| Power (W)                      | Voltage (V) | Inrush current (A) | Height (mm) | Width (mm) | Depth (mm) | References            |
| 10                             | 120         | 0.08               | 130         | 250        | 1.6        | <b>NSYCRS10W120V</b>  |
|                                | 240         | 0.04               | 130         | 250        | 1.6        | <b>NSYCRS10W240V</b>  |
| 25                             | 120         | 0.21               | 130         | 250        | 1.6        | <b>NSYCRS25W120V</b>  |
|                                | 240         | 0.10               | 130         | 250        | 1.6        | <b>NSYCRS25W240V</b>  |
| 50                             | 120         | 0.42               | 200         | 320        | 1.6        | <b>NSYCRS50W120V</b>  |
|                                | 240         | 0.21               | 200         | 320        | 1.6        | <b>NSYCRS50W240V</b>  |
| 100                            | 120         | 0.83               | 280         | 450        | 1.6        | <b>NSYCRS100W120V</b> |
|                                | 240         | 0.42               | 280         | 450        | 1.6        | <b>NSYCRS100W240V</b> |
| 200                            | 120         | 1.67               | 400         | 650        | 1.6        | <b>NSYCRS200W120V</b> |
|                                | 240         | 0.83               | 400         | 650        | 1.6        | <b>NSYCRS200W240V</b> |

\* Ultra thin resistance heaters can be manufactured with different dimensions and power ratings than those indicated above. Please contact us.

➤ The resistance heaters prevent the formation of condensation and guarantee the ideal temperature for the correct operation of the electronic components in the enclosure.



### Insulated PTC heaters



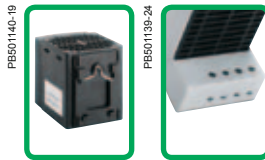
**Large range of power levels**

- 2 versions: by natural convection and with fan.
- AC or DC power supply.
- 7 power levels, from 10 W to 550 W.



**Innovating design**

Covered with plastic to prevent direct contact with the aluminium radiator.



**Easy installation and connection**

- Reduced dimensions.
- Quick electric connection by terminal board.
- No maintenance required.
- Direct clipping onto a 35 mm DIN rail.



**Safety**

- The protection prevents direct contact with the aluminium radiator.
- Electric protection device with terminal block cover.
- Equipped with a PTC-type heater.
- Surface temperature lower than 70°C.

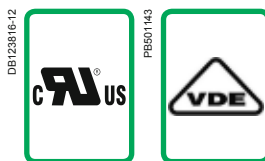
**High thermal efficiency**

- The configuration of the aluminium profile produces a "chimney" effect: high natural convection.
- Low power consumption thanks to self-control of the PTC-type heater.



**Models with fan**

- The heaters equipped with a fan ensure circulation of the air and a uniform temperature inside the enclosure.
- High-flow, silent fan.

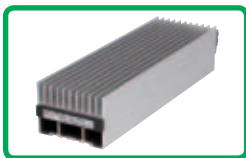


**Certifications**

- CE marking.
- Range compliant with UL and VDE.



### Aluminium PTC heaters



#### Resistance heaters equipped with a PTC-type sensor

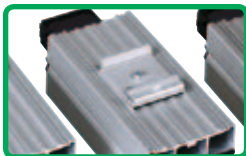
The resistance heaters for electrical and electronic enclosures are equipped with PTC-type heating devices (Positive Temperature Coefficient).

Thanks to these heaters:

- The surface temperature stabilises at 75°C when the ambient temperature is -5°C.
- Power consumption is reduced.

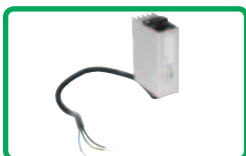
#### Improved convection

The design of the profile of the resistance heaters produces a "chimney" effect, leading to increased natural convection and maintaining an even temperature inside the enclosure.



#### Quick fixing

The resistance heaters are fixed by means of fixing clips to a 35 mm DIN rail.



#### Connection cables

The 10 and 20 W heaters are equipped with a 2 x 0.75 x 300 mm power cord.



#### Connection terminal boards

Heaters with a power of more than 20 W are equipped with a connection terminal board.

#### Large range of power levels

8 power levels, from 10 W to 400 W.



#### Models with fan

Models of 250 to 400 W with fan.

### Insulated PTC resistance heaters

#### Characteristics

Material

Conditions of use

Ingress protection rating

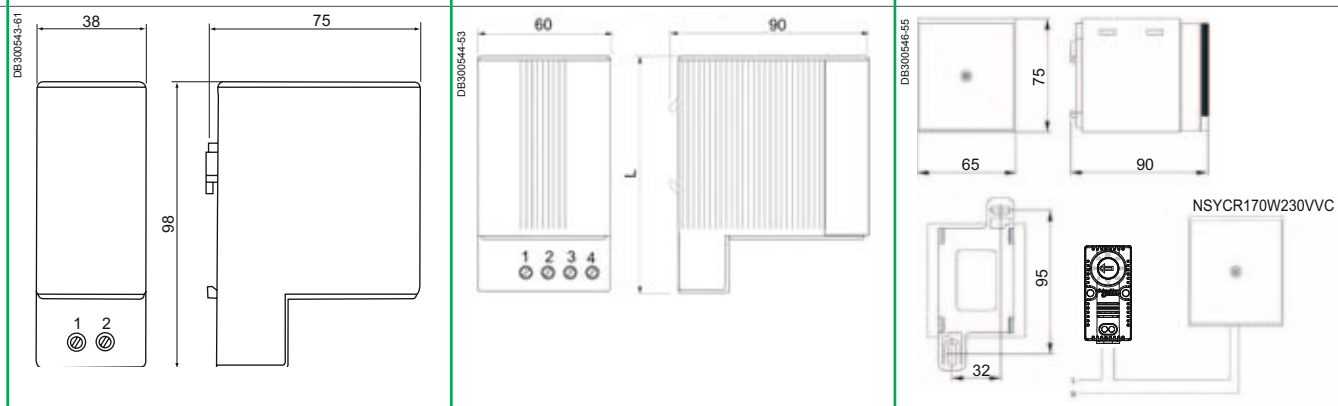
Certifications

| Power at 0°C | Voltage             | Surface temperature                                                                                         | Electric connection          | Mounting                          |
|--------------|---------------------|-------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------|
| 10 W         | 110-250 V AC        | <70°C, except for the top protection grille                                                                 | 2 poles, 2.5 mm <sup>2</sup> | Quick by clip on a 35-mm DIN rail |
| 10 W         | 12-24 V DC          |                                                                                                             |                              |                                   |
| 20 W         | 110-250 V AC        |                                                                                                             |                              |                                   |
| 20 W         | 12-24 V DC          |                                                                                                             |                              |                                   |
| 55 W         | 110-250 V AC        | <70°C, except for the top protection grille                                                                 | 4 poles, 2.5 mm <sup>2</sup> | By clip on a 35-mm DIN rail       |
| 55 W         | 12-24 V DC          |                                                                                                             |                              |                                   |
| 55 W         | 270-420 V AC        |                                                                                                             |                              |                                   |
| 100 W        | 110-250 V AC        |                                                                                                             |                              |                                   |
| 100 W        | 12-24 V DC          |                                                                                                             |                              |                                   |
| 100 W        | 270-420 V AC        |                                                                                                             |                              |                                   |
| 147 W        | 110-250 V AC        |                                                                                                             |                              |                                   |
| 147 W        | 12-24 V DC          |                                                                                                             |                              |                                   |
| 177 W        | 230 V AC / 50-60 HZ | Max. 50°C in the enclosure, 100°C on the top protection grille, (for an ambient temperature of 20°C / 68°F) | 2 poles, 2.5 mm <sup>2</sup> | By clip on a 35-mm DIN rail       |



| Insulated PTC heater | Insulated ventilated PTC heaters |
|----------------------|----------------------------------|
|----------------------|----------------------------------|

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                 |   |   |             |   |   |             |   |   |             |   |   |   |             |   |   |             |   |   |             |   |   |              |   |   |              |   |   |              |   |   |              |   |   |              |   |   |   |                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---|---|-------------|---|---|-------------|---|---|-------------|---|---|---|-------------|---|---|-------------|---|---|-------------|---|---|--------------|---|---|--------------|---|---|--------------|---|---|--------------|---|---|--------------|---|---|---|-----------------|
| <ul style="list-style-type: none"> <li>■ Compact resistance heater preventing the formation of condensation or frost.</li> <li>■ Designed to ensure good natural convection and high thermal efficiency.</li> </ul> <p>Extruded aluminium body</p> <ul style="list-style-type: none"> <li>■ The heaters must be installed with a thermal controller (see selection table on pages 514 and 515) to control the temperature or the humidity inside the enclosure</li> <li>■ The enclosure must be sealed to prevent the entry of air from the outside</li> <li>■ An electrical protection device must be installed on the supply side of the unit</li> <li>■ <b>Operating position:</b> vertical</li> <li>■ <b>Operating temperature:</b> -40...+70°C; -10...+158°F</li> </ul> <p>IP20</p> <p>VDE and UL<br/> <b>Cover:</b> UL 94 V-0 plastic<br/>                 Class II (double insulated)</p> | <p><b>References</b></p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>NSYCR10WU2C</td><td>-</td><td>-</td></tr> <tr><td>NSYCR10WU1C</td><td>-</td><td>-</td></tr> <tr><td>NSYCR20WU2C</td><td>-</td><td>-</td></tr> <tr><td>NSYCR20WU1C</td><td>-</td><td>-</td></tr> <tr><td>-</td><td>NSYCR50WU2C</td><td>-</td></tr> <tr><td>-</td><td>NSYCR50WU1C</td><td>-</td></tr> <tr><td>-</td><td>NSYCR50WU3C</td><td>-</td></tr> <tr><td>-</td><td>NSYCR100WU2C</td><td>-</td></tr> <tr><td>-</td><td>NSYCR100WU1C</td><td>-</td></tr> <tr><td>-</td><td>NSYCR100WU3C</td><td>-</td></tr> <tr><td>-</td><td>NSYCR150WU2C</td><td>-</td></tr> <tr><td>-</td><td>NSYCR150WU1C</td><td>-</td></tr> <tr><td>-</td><td>-</td><td>NSYCR170W230VVC</td></tr> </table> | NSYCR10WU2C     | - | - | NSYCR10WU1C | - | - | NSYCR20WU2C | - | - | NSYCR20WU1C | - | - | - | NSYCR50WU2C | - | - | NSYCR50WU1C | - | - | NSYCR50WU3C | - | - | NSYCR100WU2C | - | - | NSYCR100WU1C | - | - | NSYCR100WU3C | - | - | NSYCR150WU2C | - | - | NSYCR150WU1C | - | - | - | NSYCR170W230VVC |
| NSYCR10WU2C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -               |   |   |             |   |   |             |   |   |             |   |   |   |             |   |   |             |   |   |             |   |   |              |   |   |              |   |   |              |   |   |              |   |   |              |   |   |   |                 |
| NSYCR10WU1C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -               |   |   |             |   |   |             |   |   |             |   |   |   |             |   |   |             |   |   |             |   |   |              |   |   |              |   |   |              |   |   |              |   |   |              |   |   |   |                 |
| NSYCR20WU2C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -               |   |   |             |   |   |             |   |   |             |   |   |   |             |   |   |             |   |   |             |   |   |              |   |   |              |   |   |              |   |   |              |   |   |              |   |   |   |                 |
| NSYCR20WU1C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -               |   |   |             |   |   |             |   |   |             |   |   |   |             |   |   |             |   |   |             |   |   |              |   |   |              |   |   |              |   |   |              |   |   |              |   |   |   |                 |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | NSYCR50WU2C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -               |   |   |             |   |   |             |   |   |             |   |   |   |             |   |   |             |   |   |             |   |   |              |   |   |              |   |   |              |   |   |              |   |   |              |   |   |   |                 |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | NSYCR50WU1C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -               |   |   |             |   |   |             |   |   |             |   |   |   |             |   |   |             |   |   |             |   |   |              |   |   |              |   |   |              |   |   |              |   |   |              |   |   |   |                 |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | NSYCR50WU3C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -               |   |   |             |   |   |             |   |   |             |   |   |   |             |   |   |             |   |   |             |   |   |              |   |   |              |   |   |              |   |   |              |   |   |              |   |   |   |                 |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | NSYCR100WU2C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -               |   |   |             |   |   |             |   |   |             |   |   |   |             |   |   |             |   |   |             |   |   |              |   |   |              |   |   |              |   |   |              |   |   |              |   |   |   |                 |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | NSYCR100WU1C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -               |   |   |             |   |   |             |   |   |             |   |   |   |             |   |   |             |   |   |             |   |   |              |   |   |              |   |   |              |   |   |              |   |   |              |   |   |   |                 |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | NSYCR100WU3C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -               |   |   |             |   |   |             |   |   |             |   |   |   |             |   |   |             |   |   |             |   |   |              |   |   |              |   |   |              |   |   |              |   |   |              |   |   |   |                 |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | NSYCR150WU2C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -               |   |   |             |   |   |             |   |   |             |   |   |   |             |   |   |             |   |   |             |   |   |              |   |   |              |   |   |              |   |   |              |   |   |              |   |   |   |                 |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | NSYCR150WU1C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -               |   |   |             |   |   |             |   |   |             |   |   |   |             |   |   |             |   |   |             |   |   |              |   |   |              |   |   |              |   |   |              |   |   |              |   |   |   |                 |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | NSYCR170W230VVC |   |   |             |   |   |             |   |   |             |   |   |   |             |   |   |             |   |   |             |   |   |              |   |   |              |   |   |              |   |   |              |   |   |              |   |   |   |                 |



### Aluminium PTC heaters



| Characteristics       |             | Aluminium PTC heaters                                                                                                                                                                                                                                                                                                                                  | Resistive heaters with fan |
|-----------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
|                       |             | <ul style="list-style-type: none"> <li>Extruded aluminium body.</li> <li>Surface temperature limited to 75°C when the ambient temperature is -5°C.</li> <li>Heaters equipped with a power cable with a length of 500 mm with silicon insulation, or with a connection terminal block.</li> </ul>                                                       |                            |
| Conditions of use     |             | <ul style="list-style-type: none"> <li>The heaters must be installed with a thermal controller to control the temperature or the humidity inside the enclosure</li> <li>The enclosure must be sealed to prevent the entry of air from the outside</li> <li>An electrical protection device must be installed on the supply side of the unit</li> </ul> |                            |
| Power (W)             | Voltage (V) | References                                                                                                                                                                                                                                                                                                                                             |                            |
| <b>Power cord</b>     |             |                                                                                                                                                                                                                                                                                                                                                        |                            |
| 10                    | 12-24 DC    | NSYCR10WU1                                                                                                                                                                                                                                                                                                                                             | -                          |
|                       | 110-250 AC  | NSYCR10WU2                                                                                                                                                                                                                                                                                                                                             | -                          |
| 20                    | 12-24 DC    | NSYCR20WU1                                                                                                                                                                                                                                                                                                                                             | -                          |
|                       | 110-250 AC  | NSYCR20WU2                                                                                                                                                                                                                                                                                                                                             | -                          |
| <b>Terminal block</b> |             |                                                                                                                                                                                                                                                                                                                                                        |                            |
| 20                    | 270-420 AC  | NSYCR20WU3                                                                                                                                                                                                                                                                                                                                             | -                          |
| 55                    | 12-24 DC    | NSYCR55WU1                                                                                                                                                                                                                                                                                                                                             | -                          |
|                       | 110-250 AC  | NSYCR55WU2                                                                                                                                                                                                                                                                                                                                             | -                          |
|                       | 270-420 AC  | NSYCR55WU3                                                                                                                                                                                                                                                                                                                                             | -                          |
| 90                    | 12-24 DC    | NSYCR100WU1                                                                                                                                                                                                                                                                                                                                            | -                          |
|                       | 110-250 AC  | NSYCR100WU2                                                                                                                                                                                                                                                                                                                                            | -                          |
|                       | 270-420 AC  | NSYCR100WU3                                                                                                                                                                                                                                                                                                                                            | -                          |
| 150                   | 12-24 DC    | NSYCR150WU1                                                                                                                                                                                                                                                                                                                                            | -                          |
|                       | 110-250 AC  | NSYCR150WU2                                                                                                                                                                                                                                                                                                                                            | -                          |
|                       | 270-420 AC  | NSYCR150WU3                                                                                                                                                                                                                                                                                                                                            | -                          |
| 250                   | 115 AC      | -                                                                                                                                                                                                                                                                                                                                                      | NSYCR250W115VV             |
|                       | 230 AC      | -                                                                                                                                                                                                                                                                                                                                                      | NSYCR250W230VV             |
| 400                   | 115 AC      | -                                                                                                                                                                                                                                                                                                                                                      | NSYCR400W115VV             |
|                       | 230 AC      | -                                                                                                                                                                                                                                                                                                                                                      | NSYCR400W230VV             |
| 200                   | 115 AC      | -                                                                                                                                                                                                                                                                                                                                                      | NSYCRS200W115V             |
|                       | 230 AC      | -                                                                                                                                                                                                                                                                                                                                                      | NSYCRS200W230V             |

### Thermofan



| Characteristics       |             | Thermofan                                                                                                                                                                                                                                                                      |
|-----------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       |             | <ul style="list-style-type: none"> <li>Combination of a resistance heater and an axial motor to ensure uniform heating of the enclosure.</li> <li>Fixing by clip on a DIN rail.</li> <li>Thermostat adjustable from 0...+60°C.</li> <li>Visual operation indicator.</li> </ul> |
| Power (W)             | Voltage (V) | References                                                                                                                                                                                                                                                                     |
| <b>Terminal block</b> |             |                                                                                                                                                                                                                                                                                |
| 400/550               | 120 AC      | NSYCRP1W120VTVC                                                                                                                                                                                                                                                                |
|                       | 230 AC      | NSYCRP1W230VTVC                                                                                                                                                                                                                                                                |

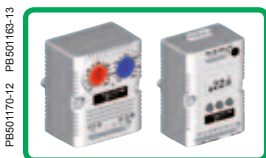
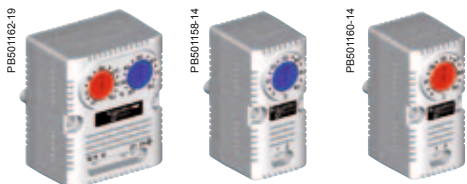
#### Fixing accessories

| Description | Supply                      | References |
|-------------|-----------------------------|------------|
|             | Set of 5 studs              | NSYCRAF    |
|             | Set of 5 studs and DIN rail | NSYCRAFD   |



### Thermal control

#### > Mechanical thermostats



#### Mechanical and electronic thermostats

- Large range of temperature control.
- Small dimensions.
- Easily accessible terminals.

#### > Electronic thermostats



**New**

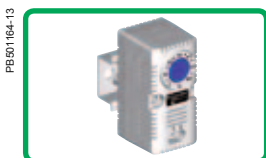
**LED screen**  
Screen visible even in the dark.



**New**

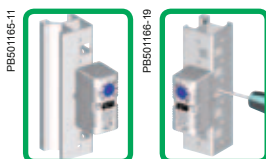
**New operational temperature range**  
-40°C ... +80°C.

### Mechanical and electronic thermostats

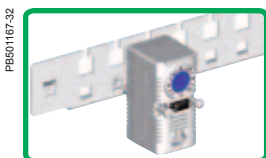


#### The new quick-fixing systems

- On 35 mm DIN rail.



- On Spacial upright.



- On cross-rail.



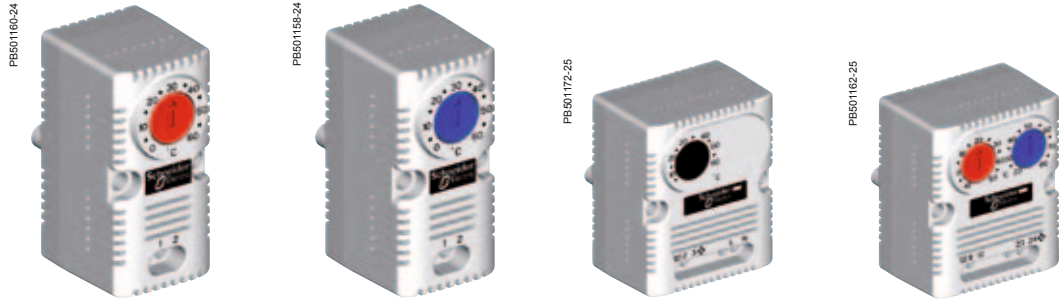
- On mounting plate.



#### Certifications and declarations

- UL,
- CE.

### Mechanical thermostats



| Characteristics                               | Thermostat                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Thermostat                            | Thermostat                                                        | Double Thermostat                                                                                                                   |                                                                    |                                                                    |                                                                    |                                                                    |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------|
|                                               | With NC contact                                                                                                                                                                                                                                                                                                                                                                                                                                                         | With NO contact                       | With NO/NC contact                                                |                                                                                                                                     |                                                                    |                                                                    |                                                                    |                                                                    |
|                                               | <b>Thermostat with NC Contact:</b><br>■ to control the stopping of a resistance heater when the temperature exceeds the displayed value.<br><b>Thermostat with NO Contact:</b><br>■ to control the starting up of a fan when the temperature exceeds the displayed maximum value,<br>■ to control the temperature inside the enclosure by only starting up the fan when necessary, thus increasing the service life of the fan and reducing the clogging of the filter. |                                       |                                                                   |                                                                                                                                     |                                                                    |                                                                    |                                                                    |                                                                    |
| Colour button                                 | Red                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Blue                                  | Black                                                             | Red and blue                                                                                                                        |                                                                    |                                                                    |                                                                    |                                                                    |
| Ingress protection rating                     | IP20                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | IP20                                  | IP20                                                              | IP20                                                                                                                                |                                                                    |                                                                    |                                                                    |                                                                    |
| Sensor element                                | Bimetal                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Bimetal                               | Bimetal                                                           | Bimetal                                                                                                                             |                                                                    |                                                                    |                                                                    |                                                                    |
| Contact                                       | NC, forced rupture                                                                                                                                                                                                                                                                                                                                                                                                                                                      | NO, forced rupture                    | Inverse, forced rupture                                           | NO / NC, forced rupture                                                                                                             |                                                                    |                                                                    |                                                                    |                                                                    |
| Contact resistance                            | < 10 mΩ                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | < 10 mΩ                               | < 10 mΩ                                                           | < 10 mΩ                                                                                                                             |                                                                    |                                                                    |                                                                    |                                                                    |
| Service life                                  | > 100,000 cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                        | > 100,000 cycles                      | > 100,000 cycles                                                  | > 100,000 cycles                                                                                                                    |                                                                    |                                                                    |                                                                    |                                                                    |
| Switching capacity                            | 250 V AC; 10 A (resistive load)<br>120 V AC; 15 A (resistive load)<br>250 V AC/120 V AC 2 A (inductive load cos φ = 0.6)<br>30 W DC                                                                                                                                                                                                                                                                                                                                     |                                       | 250 V AC; 10 A (resistive load)                                   | 250 V AC; 10 A (resistive load)<br>120 V AC; 15 A (resistive load)<br>250 V AC/120 V AC 2 A (inductive load cos φ = 0.6)<br>30 W DC |                                                                    |                                                                    |                                                                    |                                                                    |
| Max interrupting capacity with direct current | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | NA                                    | 250 V AC 4 A (inductive load cos φ = 0.6)<br>30 W DC              | NA                                                                                                                                  |                                                                    |                                                                    |                                                                    |                                                                    |
| Connection                                    | Two 2.5 mm <sup>2</sup> terminals                                                                                                                                                                                                                                                                                                                                                                                                                                       | Two 2.5 mm <sup>2</sup> terminals     | Four 2.5 mm <sup>2</sup> terminals                                | Six 2.5 mm <sup>2</sup> terminals                                                                                                   |                                                                    |                                                                    |                                                                    |                                                                    |
| Mounting                                      | By clip on 35 mm DIN rail                                                                                                                                                                                                                                                                                                                                                                                                                                               | By clip on 35 mm DIN rail             | By clip on 35 mm DIN rail                                         | Clip on 35 mm DIN rail                                                                                                              |                                                                    |                                                                    |                                                                    |                                                                    |
| Enclosure                                     | UL 94 V-0 plastic, light grey                                                                                                                                                                                                                                                                                                                                                                                                                                           | UL 94 V-0 plastic, light grey         | UL 94 V-0 plastic, light grey                                     | UL 94 V-0 plastic, light grey                                                                                                       |                                                                    |                                                                    |                                                                    |                                                                    |
| Dimensions                                    | 60 x 33 x 43 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 60 x 33 x 43 mm                       | 67 x 50 x 44 mm                                                   | 60 x 33 x 43 mm                                                                                                                     |                                                                    |                                                                    |                                                                    |                                                                    |
| Weight                                        | 40 g                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 40 g                                  | 100 g                                                             | 40 g                                                                                                                                |                                                                    |                                                                    |                                                                    |                                                                    |
| Mounting position                             | Indifferent                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Indifferent                           | Indifferent                                                       | Indifferent                                                                                                                         |                                                                    |                                                                    |                                                                    |                                                                    |
| Operating temperature                         | -20...+80°C (-4...+176°F)                                                                                                                                                                                                                                                                                                                                                                                                                                               | -20...+80°C (-4...+176°F)             | -20...+80°C (-4...+176°F)                                         | -20...+80°C (-4...+176°F)                                                                                                           |                                                                    |                                                                    |                                                                    |                                                                    |
| Hysteresis                                    | 7°K                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 7°K                                   | 7°K                                                               | 7°K                                                                                                                                 |                                                                    |                                                                    |                                                                    |                                                                    |
| Temperature setting range                     | 0...+60°C                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0...+60°C                             | +5...+60°C                                                        | 0...+60°C                                                                                                                           |                                                                    |                                                                    |                                                                    |                                                                    |
| Display                                       | °C      °F                                                                                                                                                                                                                                                                                                                                                                                                                                                              | °C      °F                            | °C      °F                                                        | °C      °F                                                                                                                          |                                                                    |                                                                    |                                                                    |                                                                    |
| Max. command intensity                        | 10 A 250 V                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                       | (NO) 5 A (NC) 10 A                                                | (NO) 5 A (NC) 10 A                                                                                                                  |                                                                    |                                                                    |                                                                    |                                                                    |
| <b>References</b>                             | <b>NSYCCOTHC</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>NSYCCOTHCF</b>                     | <b>NSYCCOTHO</b>                                                  | <b>NSYCCOTHOF</b>                                                                                                                   | <b>NSYCCOTHI</b>                                                   | <b>NSYCCOTHIF</b>                                                  | <b>NSYCCOTHHD</b>                                                  | <b>NSYCCOTHDF</b>                                                  |
|                                               | <p>DB300547-31<br/>L N Load = resistance</p>                                                                                                                                                                                                                                                                                                                                                                                                                            | <p>DB300547-31<br/>L N Load = fan</p> | <p>DB300548-33<br/>L N Load (2): resistance<br/>Load (3): fan</p> | <p>DB300548-33<br/>L N Load (2): resistance<br/>Load (3): fan</p>                                                                   | <p>DB300549-32<br/>N1 L1 11<br/>A 12<br/>B 23<br/>24<br/>N2 L2</p> | <p>DB300549-32<br/>N1 L1 11<br/>A 12<br/>B 23<br/>24<br/>N2 L2</p> | <p>DB300549-32<br/>N1 L1 11<br/>A 12<br/>B 23<br/>24<br/>N2 L2</p> | <p>DB300549-32<br/>N1 L1 11<br/>A 12<br/>B 23<br/>24<br/>N2 L2</p> |

**New**

### Electronic thermostats

PB502624



PB502623



PB502613



| Characteristics                  | Electronic thermostat                                                                                   | Electronic hygrotherm                                                                                   | Electronic hygostat                                                                          |
|----------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
|                                  | <b>With LED screen</b><br>Electronic temperature controller.                                            | <b>With LED screen</b><br>Electronic temperature and humidity controller.                               | <b>With LED screen</b><br>Electronic humidity controller.                                    |
| Ingress protection rating        | IP20                                                                                                    | IP20                                                                                                    | IP20                                                                                         |
| Certification                    | UL / UR                                                                                                 | UL / UR                                                                                                 | UL / UR                                                                                      |
| Internal sensor element          | Temperature sensor                                                                                      | Temperature sensor and humidity sensor                                                                  | Humidity sensor                                                                              |
| Contact                          | Free with zero potential                                                                                | Free with zero potential                                                                                | Free with zero potential                                                                     |
| Connection                       | 2 x 2.5 mm <sup>2</sup> (input voltage) + 2 relays (2 x 2.5 mm <sup>2</sup> + 2 x 2.5 mm <sup>2</sup> ) | 2 x 2.5 mm <sup>2</sup> (input voltage) + 2 relays (2 x 2.5 mm <sup>2</sup> + 2 x 2.5 mm <sup>2</sup> ) | 2 x 2.5 mm <sup>2</sup> (input voltage) + 1 relay (2 x 2.5 mm <sup>2</sup> )                 |
| Mounting                         | 4 different methods: by DIN rail, Spacial SF profile, on VDI cross-rail or on mounting plate            | 4 different methods: by DIN rail, Spacial SF profile, on VDI cross-rail or on mounting plate            | 4 different methods: by DIN rail, Spacial SF profile, on VDI cross-rail or on mounting plate |
| Enclosure                        | UL 94 V-0 plastic, light grey                                                                           | UL 94 V-0 plastic, light grey                                                                           | UL 94 V-0 plastic, light grey                                                                |
| Operating temperature            | -40°C...+80°C                                                                                           | -40°C...+80°C                                                                                           | -40°C...+80°C                                                                                |
| Hysteresis                       | Programmed 2°K                                                                                          | 3 %                                                                                                     | 3 %                                                                                          |
| Temperature setting range        | -40°C...+80°C                                                                                           | -40°C...+80°C                                                                                           | -                                                                                            |
| Humidity setting range           | -                                                                                                       | 20 %...80 %                                                                                             | 20 %...80 %                                                                                  |
| Display                          | °C or °F                                                                                                | °C or °F or % RH                                                                                        | % RH                                                                                         |
| Max. command intensity           | 8 (5) A 230 V AC / 5 A 30 V DC                                                                          | 8 (5) A 230 V AC / 5 A 30 V DC                                                                          | 8 (5) A 230 V AC / 5 A 30 V DC                                                               |
| <b>Voltage (type of current)</b> | <b>References</b>                                                                                       |                                                                                                         |                                                                                              |
| 9-30 V (AC/DC)                   | <b>NSYCCOTH30VID</b>                                                                                    | <b>NSYCCOHT30VID</b>                                                                                    | <b>NSYCCOHY30VID</b>                                                                         |
| 110-127 V (AC)                   | <b>NSYCCOTH120VID</b>                                                                                   | <b>NSYCCOHT120VID</b>                                                                                   | <b>NSYCCOHY120VID</b>                                                                        |
| 220-240 V (AC)                   | <b>NSYCCOTH230VID</b>                                                                                   | <b>NSYCCOHT230VID</b>                                                                                   | <b>NSYCCOHY230VID</b>                                                                        |
|                                  | <p>DB300652EN-80</p>                                                                                    | <p>DB300651EN-80</p>                                                                                    | <p>DB300652EN-80</p>                                                                         |

### Sensors



| Characteristics              |                          | Smoke detector                                                                                                                                 | Vibration sensor                                                               | Movement sensor                                                                                       |
|------------------------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
|                              |                          | Visible smoke detector with VdS approval for rapid fire detection, even with light smoke.<br>■ Usable in temperature range: from -20 to +60°C. | Detects movements and vibrations of varying intensity. Adjustable sensitivity. | Indicates movements in the area by infrared system. Adjustable sensitivity. Anti-sabotage protection. |
| Ingress protection rating    |                          | -                                                                                                                                              | -                                                                              | -                                                                                                     |
| Fixing                       |                          | -                                                                                                                                              | -                                                                              | -                                                                                                     |
| Supply                       |                          | With fixings                                                                                                                                   | With fixings                                                                   | With fixings                                                                                          |
| Length of cable supplied (m) | Maximum cable length (m) | References                                                                                                                                     |                                                                                |                                                                                                       |
| 3                            | -                        | -                                                                                                                                              | -                                                                              | -                                                                                                     |
| 4                            | 20                       | <b>NSY11954</b>                                                                                                                                | <b>NSY11956</b>                                                                | <b>NSY11958</b>                                                                                       |
| 5                            | -                        | -                                                                                                                                              | -                                                                              | -                                                                                                     |
| 10                           | -                        | -                                                                                                                                              | -                                                                              | -                                                                                                     |
| 15                           | -                        | -                                                                                                                                              | -                                                                              | -                                                                                                     |
| 20                           | -                        | -                                                                                                                                              | -                                                                              | -                                                                                                     |

### Sensors



|  | Extension cables                                                                                          | Temperature sensor                                                       | Humidity sensor                                                                                                               | Combined temperature/humidity sensor                                                                                                                                                                                                                                 | External temperature sensor (double insulation)                                                                                                                                                                                                                                                                                                                                                                                          |
|--|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | 4 strand cable for sensors.<br>■ Four lengths available: 5, 10, 15 and 20 metres.<br>■ Connections: RJ11. | ■ Temperature value range: 0°... +60°.<br>■ Measurement accuracy: ± 1°C. | ■ Humidity value range: 10... 90 % relative humidity between 0° and +60°.<br>■ Measurement accuracy: ± 3 % relative humidity. | Combines temperature and air humidity sensor functions.<br>■ Temperature value range: 0°... +60°.<br>■ Measurement accuracy: ± 1°C.<br>■ Humidity value range: 10... 90 % relative humidity between 0° and +60°.<br>■ Measurement accuracy: ± 3 % relative humidity. | ■ Sensor operation or reading range: -40°C...+150°C.<br><b>Thermostat installation tips:</b> the thermostat should be installed at the top of the enclosure (the hottest place). See the various operating modes of each thermostat to choose the one that best meets your needs.<br><b>Hygrostat installation tips:</b> the hygrostat should be installed at the bottom of the enclosure. 60% RH is the optimum value in the enclosure. |
|  | -                                                                                                         | -                                                                        | -                                                                                                                             | -                                                                                                                                                                                                                                                                    | IP67                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|  | -                                                                                                         | -                                                                        | -                                                                                                                             | -                                                                                                                                                                                                                                                                    | Several types of fixings (on DIN rail, on Spacial SF profile, on VDI cross-rail, on mounting plate)                                                                                                                                                                                                                                                                                                                                      |
|  | -                                                                                                         | With fixings                                                             | With fixings                                                                                                                  | With fixings                                                                                                                                                                                                                                                         | -                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|  | -                                                                                                         | -                                                                        | -                                                                                                                             | -                                                                                                                                                                                                                                                                    | <b>NSYCCASTE</b>                                                                                                                                                                                                                                                                                                                                                                                                                         |
|  | -                                                                                                         | <b>NSY11951</b>                                                          | <b>NSY11952</b>                                                                                                               | <b>NSY11953</b>                                                                                                                                                                                                                                                      | -                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|  | <b>NSY11959</b>                                                                                           | -                                                                        | -                                                                                                                             | -                                                                                                                                                                                                                                                                    | -                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|  | <b>NSY11960</b>                                                                                           | -                                                                        | -                                                                                                                             | -                                                                                                                                                                                                                                                                    | -                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|  | <b>NSY11961</b>                                                                                           | -                                                                        | -                                                                                                                             | -                                                                                                                                                                                                                                                                    | -                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|  | <b>NSY11962</b>                                                                                           | -                                                                        | -                                                                                                                             | -                                                                                                                                                                                                                                                                    | -                                                                                                                                                                                                                                                                                                                                                                                                                                        |

PE801177



### Thermal control

#### Enclosures Monitor

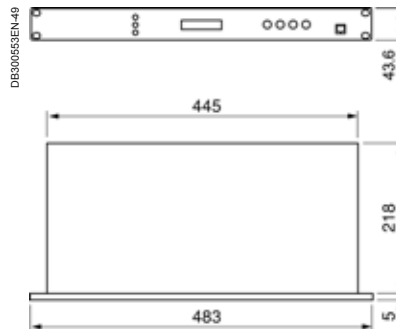
- The enclosure monitor checks and protects all the equipment in the distribution, network and server racks as well as their environment.
- Ambient parameters and operating states can be measured using various sensors and several inputs.
- Signalling and display: on the unit, serial interface, Ethernet network.
- Digital inputs and switching outputs enable permanent monitoring and adapted actions.

#### Reference

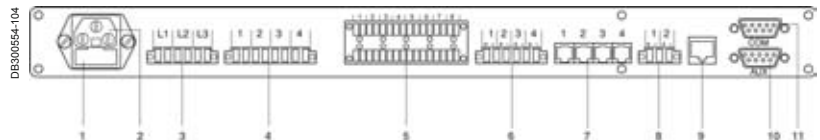
**NSY11950**

Possibilities for connection to the enclosure monitor:

- 4 sensors ref. **NSY11951**, **NSY11952** and/or **NSY11953**.
- 4 sensors ref. **NSY11954** or **NSY11956**.
- 8 insulated digital inputs (free potential).
- 2 digital inputs.
- 1 series input used for monitoring devices with a communication protocol.

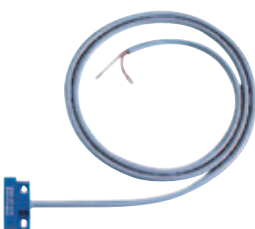


#### Connections and cabling diagram



- 1 Contact pin circuit breaker.
- 2 Connection to the network.
- 3 Connection of phase surveillance.
- 4 Digital switching outputs.
- 5 Digital inputs (ref. **NSY11955** and **NSY11958**).
- 6 Alarm inputs (ref. **NSY11954** and **NSY11956**).
- 7 Connection of a sensor, references **NSY11951**, **NSY11952** and **NSY11953**.
- 8 Connection of uninterruptible power supply.
- 9 Connection to Ethernet network RJ45.
- 10 Series interface for external devices.
- 11 Series interface for connection to a terminal.

PE801178



#### Door contact

Monitors door access by means of a magnetic sensor that reacts to any material conducting magnetic flow.

- **Length of cable supplied:** 4 m.
- **Maximum cable length:** 20 m.
- **Supply:** with fixings.

#### Reference

**NSY11955**

The miniaturisation of components, the generalisation of electronics and the appearance of new electronically powered products have made temperature management into a need which must necessarily be considered when designing electrical and/or electronic switchboards, in the same way as the protection rating. Reliability and the search for lower breakdown rates are two determining factors in process industries, where the cost per hour is extremely high. The smallest failure can instantly result in considerable losses. The service life of the components also depends on the temperature and humidity conditions inside the enclosure. The ideal values are +25...+35°C for the temperature and 60 % for the relative humidity (RH).

Various solutions to these problems have been put forward. They will be chosen according to environmental conditions, the type of components in the electrical switchboard, and their cost.

In certain cases, all it takes it to oversize the enclosures or use fans. In other cases, when the temperature is higher, it becomes necessary to install air-water exchangers or air coolers operating according to the principle of refrigeration (cooling units). We offer you a range of solutions that adapt to every possible scenario: from the enclosure itself to ventilation systems, resistances or exchangers, and even cooling units.

### Natural dissipation

#### Through the walls of the enclosure

The use of a larger enclosure can, in certain cases, solve your heating problem.

### Airing

#### Natural ventilation

The addition of fresh air from the outside through ventilation louvres improves the dissipation of heat by natural convection. However, this solution can only be used to dissipate small power levels and in environments with a small amount of dust.

### Ventilating

#### Circulation

Air circulation inside the enclosure with the help of a fan makes it possible to guarantee an even temperature, avoiding hot spots that can damage certain components.

#### Forced ventilation

The fans are designed to evacuate a considerable amount of heat coming from the components of the electrical switchboards. The service life of the latter is considerably extended, thus guaranteeing the long life and correct operation of the installation.

The fans can only be used if the ambient temperature is at least 5°C lower than the desired temperature inside the enclosure.

They offer an efficient solution, one that is easy to implement and maintain, which is also inexpensive, to the problem of temperature increases in the electrical switchboards. Thanks to their standard IP54 (IP55 with accessories) they are suitable for use in industrial and tertiary sectors.

### Heating

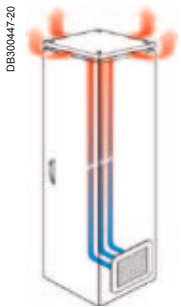
#### Resistance heaters

Resistance heaters can be used for two reasons:

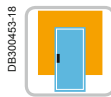
- To reheat the electrical switchboard when the ambient temperature is too low for the correct operation of the components.
- To prevent the formation of condensation.

The second phenomenon can cause short-circuits, premature oxidation of the contacts, corrosion of metal parts and, in particular, of the enclosure, a considerable reduction in the service life of the electrical and electronic components.

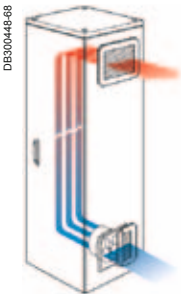
Condensation occurs when the temperature suddenly drops below the dew point temperature. To avoid this, it is simply necessary to maintain the temperature inside the enclosure at a few degrees above the ambient temperature of the environment. Thanks to their design, the heaters encourage natural convection and guarantee quick and even heating within the enclosure.



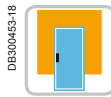
DB300447-20



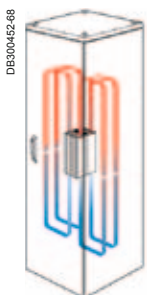
DB300453-18



DB300448-68



DB300453-18



DB300452-68



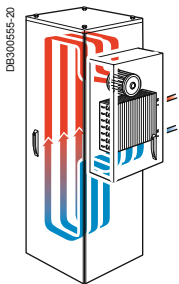
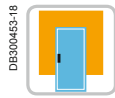
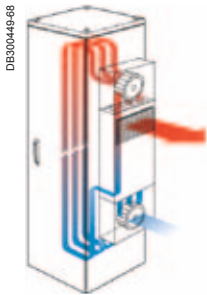
DB300453-18

### Cooling

#### Air-air exchangers

Air-air exchangers are devices that combine efficiency and simplicity. The hot air flows of the enclosure and the cold of the surrounding environment, created by two fans, circulate on either side of hermetic separation walls, preventing the penetration of dust or moisture in the enclosure. The hot air from the switchboard reheats these walls, which in turn are cooled by the fresh air from outside. The transfer always takes place from the hotter side to the cooler side. This is why these devices can only be used if the ambient temperature is at least 5°C lower than the desired temperature inside the enclosure.

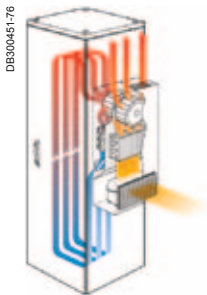
The aluminium exchange cassette forms the core of the system. This element can be cleaned easily by simply removing it. In addition, the permanent operation of the internal fan prevents the appearance of hot spots in the electrical switchboard. The temperature regulation system integrated in the unit turns the external circuit fan on and off.



#### Air-water exchangers

Air-water exchangers operate on the same principle as air-air exchangers. Fresh air from the outside is replaced with cold water supplied by a network installed on the industrial site. This change of fluid makes it possible to evacuate much larger amounts of heat and, possibly, to reduce the temperature in the enclosure below the temperature of the ambient air.

Temperature control in the enclosure is carried out by modulating the water flow. The water circuit is protected by a shut-off device: your electrical installation is safe.



#### Cooling units

Cooling units can be used in the harshest environments, where the temperature can reach 55°C. These devices are especially recommended when the desired temperature inside the enclosure must be lower than the ambient temperature or when a large amount of heat needs to be evacuated. As in the case of the exchangers, they do not affect the IP of the switchboard.

The filter, placed at the inlet of the external air circuit, allows it to operate even when the ambient air is charged with dust or oil particles. Easily replaceable and quite inexpensive, this device guarantees the efficiency of the device throughout its service life. These devices control the temperature inside the enclosure and include an alarm function for signalling operational anomalies.



The ambient temperature is higher than the desired temperature inside the enclosure.



The ambient temperature is lower than the desired temperature inside the enclosure.

The ProClima calculation software, available on our website, is an indispensable tool for the selection of a thermal auxiliary.



### Method of determining the thermal solution

The heat balance, which consists of comparing the power released by the devices with the power exchanged spontaneously through the wall of the enclosure, allows us to calculate the internal temperature obtained in the enclosure, with no thermal accessories, and thus to determine whether it is necessary to install any, bearing in mind the desired internal and external temperatures. Below we have presented a simple method for implementing this choice.

#### 1 - Characteristics of the enclosure

| Position of the enclosure | Location according to IEC 890 ratio                                   | Formula for calculating S (m <sup>2</sup> )                      |
|---------------------------|-----------------------------------------------------------------------|------------------------------------------------------------------|
|                           | Accessible from every side                                            | $S = 1.8 \times H \times (W + D) + 1.4 \times W \times D$        |
|                           | Placed against a wall                                                 | $S = 1.4 \times W \times (H + D) + 1.8 \times D \times H$        |
|                           | On the end when suited                                                | $S = 1.4 \times D \times (H + W) + 1.8 \times W \times H$        |
|                           | On the end when suited, placed against a wall                         | $S = 1.4 \times H \times (W + D) + 1.4 \times W \times D$        |
|                           | In the middle when suited                                             | $S = 1.8 \times W \times H + 1.4 \times W \times D + D \times H$ |
|                           | In the middle when suited, placed against a wall                      | $S = 1.4 \times W \times (H + D) + D \times H$                   |
|                           | In the middle when suited, placed against a wall with the top covered | $S = 1.4 \times W \times H + 0.7 \times W \times D + D \times H$ |
|                           |                                                                       | <b>S =</b> <input type="text" value=""/> <b>m<sup>2</sup></b>    |

H = Height - W = Width - D = Depth

**Example**  
 Spatial reference NSYSF20840  
 H = 2000  
 W = 800  
 D = 400  
 Installation method:  
 Suitable enclosure placed against a wall.

**S = 4.43 m<sup>2</sup>**

#### 2 - Thermal power dissipated by the operational components

Calculated as the sum of the power dissipated by each of the installed components. If these are not known, use the ProClima software and page 526, which shows the average values.

**Pd =**  **W**

Assume that the switchgear dissipates 800 W.

**Pd = 800 W**

#### 3 - Characteristics of the environment air

Maximum ambient temperature.  
 Minimum ambient temperature.  
 Average relative humidity.  
 Dew point temperature. Useful to avoid condensation and to calculate resistance heater power.

**Te<sub>max</sub> =**  **°C**  
**Te<sub>min</sub> =**  **°C**  
**RH =**  **%**  
**Dp =**  **°C**

The temperature conditions are as follows:

**Te<sub>max</sub> = 35°C**  
**Te<sub>min</sub> = 15°C**  
**RH = 70 %**  
**Dp = 29°C**

#### 4 - Average desired internal temperatures

They are defined by the nature of the components and the characteristics of the environment air  
 Maximum internal temperature  
 Minimum internal temperature (maximum value between the dew point temperature and the minimum operating temperature of the devices)

**Tid<sub>max</sub> =**  **°C**  
**Tid<sub>min</sub> =**  **°C**

**Tid<sub>max</sub> = 40°C**  
**Tid<sub>min</sub> = 29°C**

#### 5 - Final temperature inside the enclosure with no thermal system

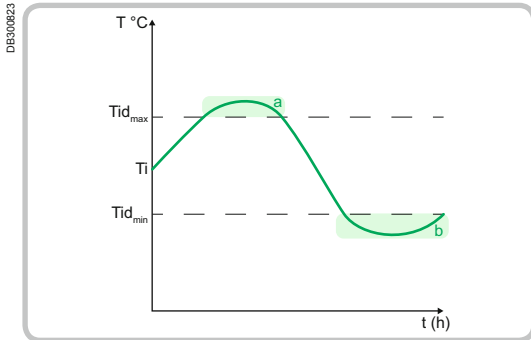
Max. internal temperature:  $T_{fi_{max}} = \frac{Pd}{K \times S} + Te_{max}$   
 Min. internal temperature:  $T_{fi_{min}} = \frac{Pd}{K \times S} + Te_{min}$

**Tfi<sub>max</sub> =**  **°C**  
**Tfi<sub>min</sub> =**  **°C**

**Tfi<sub>max</sub> = 70°C**  
**Tfi<sub>min</sub> = 50°C**

or K = 5.5 W/m<sup>2</sup>/°C for an enclosure made of painted sheet steel  
 K = 3.5 W/m<sup>2</sup>/°C for a polyester enclosure  
 K = 3.7 W/m<sup>2</sup>/°C for a stainless-steel enclosure  
 K = 12 W/m<sup>2</sup>/°C for an aluminium enclosure

### 6 - Determining the type of thermal device and its power: Psyst



- a:**  
 $Tid_{max} < Ti_{max}$   
 $\Delta T_{min} = (Tid_{max} - Te_{max})$   
 ■  $\Delta T_{min} = +5^{\circ}C$ : Ventilation  
 ■  $\Delta T_{min} = +10^{\circ}C$ : Exchanger air-air  
 ■  $\Delta T_{min} = -5^{\circ}C$ : Cooling unit  
 ■ Not depending on  $(\Delta T_{min})$ : Exchanger air-water
- b:**  
 $Tid_{min} > Ti_{min}$ : Heaters

| If $Tid_{min} < Tfl_{min}$                                                               | If $Tid_{min} > Tfl_{min}$                                                                                                                                                                                                                                     | If $Tid_{max} < Tfl_{max}$                                                                                                                                                                                                   | If $Tid_{max} > Tfl_{max}$                                                               |
|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| ▼                                                                                        | ▼                                                                                                                                                                                                                                                              | ▼                                                                                                                                                                                                                            | ▼                                                                                        |
| No need for a thermal system; a circulation fan may be used to even out the temperature. | Need for a thermal system: resistance heater<br>1- Permanent operation of the switchboard<br><b><math>Psyst = K \times S (Tid_{min} - Te_{min}) - Pd</math></b><br>2- Discontinuous operation<br><b><math>Psyst = K \times S (Tid_{min} - Te_{min})</math></b> | Need for a thermal system: ventilation, fan, exchanger, cooling unit.<br><b><math>Psyst = Pd - K \times S (Tid_{max} - Te_{max})</math></b><br><b><math>Psyst = 800 - 5.5 \times 4.13 \times (40 - 35) \sim 690 W</math></b> | No need for a thermal system; a circulation fan may be used to even out the temperature. |

| Temperature conditions                                                                                                                                                                    | Solution                                                                                                                                                                                                                                                                                                                       | Advantages                                                                                                                                                                                                                                                                                                                                                                         | Constraints                                                                                                                                                                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Circulating</b>                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                        |
| Avoid hot spots.                                                                                                                                                                          | Install circulation fans in the enclosure.                                                                                                                                                                                                                                                                                     | Highly economical solution requiring no maintenance, easy to install; Installation IP conserved.                                                                                                                                                                                                                                                                                   | The amount of heat evacuated is relatively low.                                                                                                                                                                                        |
| <b>Cooling</b>                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                        |
| Final temperature $Tid_{max}$ desired in the enclosure at least $5^{\circ}C$ higher than the ambient temperature $Te_{max}$ .<br><b><math>Tid_{max} \geq Te_{max} + 5^{\circ}C</math></b> | Oversize the enclosure or the wall-mounting enclosure.<br>Install ventilation louvres.<br>Install fans for introducing fresh air.<br>$\varnothing = \frac{Psyst}{(Tid_{max} - Te_{max})} \times 3.1 \text{ (m}^3/\text{h)}$<br>Use an air-air exchanger.<br>$\varnothing = \frac{Psyst}{(Tid_{max} - Te_{max})} \text{ (W/K)}$ | Economical solution requiring no maintenance, easy to install; Installation IP conserved.<br>Highly economical solution requiring no maintenance, easy to install.<br>Economical solution, easy to install; large amount of heat evacuated; possible temperature control.<br>Easy to install; IP conserved during installation; temperature control as standard; easy maintenance. | The amount of heat evacuated is relatively low, larger dimensions.<br>The amount of heat evacuated is low, it depends on the layout of the components, reduced IP (entry of dust).<br>Regular filter maintenance. IP slightly reduced. |
| Final temperature $Tid_{max}$ desired in the enclosure lower than the ambient temperature $Te_{max} + 5^{\circ}C$ .<br><b><math>Tid_{max} \geq Te_{max} + 5^{\circ}C</math></b>           | Use a cooling unit.<br>Use an air-water exchanger.                                                                                                                                                                                                                                                                             | Easy to install; allows the evacuation of large amounts of heat, even when the ambient temperature is high, IP conserved during installation, temperature control.<br>Easy to install; allows the evacuation of large amounts of heat, even when the ambient temperature is high, IP conserved during installation, temperature control, no filter to maintain.                    | Regular filter maintenance, cannot be used beyond an ambient temperature of $55^{\circ}C$ .<br>Needs a water circuit; consumption if supplied by the water mains.                                                                      |
| <b>Heating</b>                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                        |
| Outside temperature lower than the lowest acceptable ambient temperature for the switchgear.<br>Risk of condensation.                                                                     | Heat using a resistance heater.<br>Heat using a resistance heater in order to maintain the temperature beyond the dew point temperature.                                                                                                                                                                                       | Economical, reliable; see temperature in the table.<br>Economical, reliable; the humidity in the switchboard can be regulated.                                                                                                                                                                                                                                                     | Energy consumption; space taken up in the enclosure.<br>Energy consumption; space taken up in the enclosure.                                                                                                                           |

## ProClima

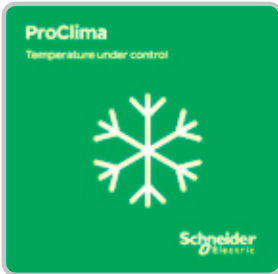
### New ProClima software

- Software package for calculating and selecting the thermal accessories required for enclosures containing electrical and electronic equipment.
- Performs the calculations as well as the corrected surfaces, according to the dimensions of the enclosure and its position in relation to the walls.
- Available for download on our homepage.

### Data entry

The following steps must be followed to conduct this study:

PB50001-56



PB501164



- 1** - Enter the project and customer data (optional).

PB501165



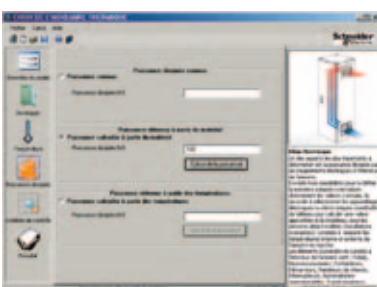
- 2** - Enter the internal and external temperature data for the enclosure (compulsory).

PB501186



- 3** - Enter the electrical data for the installation (voltage, rating, etc.) (compulsory).

PB501187



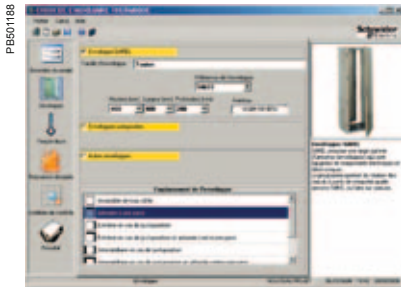
- 4** - Determine the power dissipated by the electrical equipment inside the enclosure (compulsory).  
If this value is not known, the software can calculate it:
  - Based on the electrical or electronic switchgear that make up the switchboard (type and number),
  - Based on a temperature reading.

## ProClima

### Results

#### Summary of the heat balance

The software offers to print the project summary containing the calculation values, the results obtained and the thermal accessories recommended for maintaining the internal temperature of the enclosure in the specified conditions. In addition, the summary specifies the power, characteristics and reference of the device, as well as any related accessories.



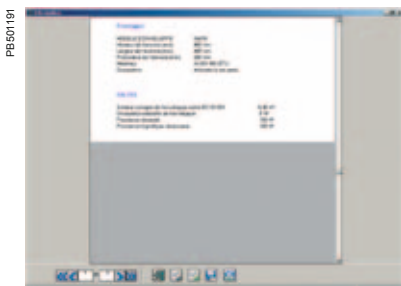
**5** - Select the enclosure and the installation method (compulsory).



**6** - Select the thermal management system (fans, exchangers, etc.) (compulsory).



**7** - View and print the project summary.



(1)  $P_d$  = Thermal power dissipated by the operational components

$S = 1.4 \times W \times (H + D) + 1.8 \times D \times H = 4.6 \text{ m}^2$ .  
According to standard IEC 890

$K$  = Constant defined by the material used to manufacture the enclosure  
 $K = 5.5 \text{ W/m}^2 \times ^\circ\text{C}$  for a solid sheet-steel enclosure  
 $K = 3.5 \text{ W/m}^2 \times ^\circ\text{C}$  for a polyester enclosure  
 $K = 3.7 \text{ W/m}^2 \times ^\circ\text{C}$  for a stainless-steel enclosure

$f$  = Coefficient relating to the height above sea level (value)  
 0 to 100 m:  $f = 3.1$   
 100 to 250 m:  $f = 3.2$   
 250 to 500 m:  $f = 3.3$   
 500 to 750 m:  $f = 3.4$   
 750 to 1000 m:  $f = 3.5$   
 ...

### Data

#### ■ Enclosure data

- Height: 2000 mm
- Width: 800 mm
- Depth: 500 mm

■ **Location:** placed on the wall

■ **Material:** painted sheet-steel enclosure

■ **Thermal power dissipated by the operational components** Pd: 950 W

#### ■ Information on temperature and the environment:

Maximum desired temperature inside the enclosure  $T_{e_{\max}}$ : 25°C

Minimum desired temperature inside the enclosure  $T_{e_{\min}}$ : 25°C

Maximum temperature dissipated in the enclosure  $T_{e_{\max}}$ : 35°C

Minimum temperature dissipated in the enclosure  $T_{e_{\min}}$ : 25°C

■ **Environment:** low pollution and low dust level

### Selection and calculation

The desired maximum temperature inside ( $T_{s_{\max}}$ ) the enclosure is 10°C higher than the maximum value expected for the outside ( $T_{i_{\max}}$ ).

It is possible to cool the enclosure using the filtered ventilation systems.

### Calculation of the required fan (1)

Usage formulas:

$$P_{\text{syst}} = P_d - K \times S \times (T_{s_{\max}} - T_{e_{\max}})$$

$$\text{Flow} = f \times P_{\text{syst}} / (T_{s_{\max}} - T_{e_{\max}})$$

In order to make the calculation, it is necessary to know the height above sea level of the installation location:

Height above sea level: 800 m



### Our example

$$P_{\text{syst}} = 950 - 5.5 \times 4.6 \times (35 - 25) = 697 \text{ W}$$

$$\text{Flow rate} = 3.5 \times 697 / (35 - 25) = 244 \text{ m}^3/\text{h}$$

#### Selection from the fan quick-selection table:

**1 fan with standard filter ref. NSYCVF300M230PF**

**+ 1 grille with standard filter ref. NSYCAG223LPPF**

**+ 1 thermostat ref. NSYCCOTHO enable a flow rate of 302 m<sup>3</sup>/h**

The minimum outside temperature is lower than the desired minimum temperature inside the enclosure.

#### It is necessary to install resistance heaters:

##### Calculation of the useful resistance heater

$$\text{Usage formula: } W = K \times S \times (T_{s_{\min}} - T_{e_{\min}})$$

$$\text{Our example: } W = 5.5 \times 4.6 (15 - 10) = 127 \text{ W}$$

#### Selection from the selection guide of the resistance heaters:

**1 resistance heater ref. NSYCR150WU2C**

**+ 1 thermostat ref. NSYCCOTHC**

### Spacial wall-mounting enclosures

| Installation mode |        |        |      |      |      |      |      |      |      |      |
|-------------------|--------|--------|------|------|------|------|------|------|------|------|
| H (mm)            | W (mm) | D (mm) | 1    | 2    | 3    | 4    | 5    | 6    | 7    |      |
| 300               | 200    | 150    | 0.23 | 0.21 | 0.21 | 0.19 | 0.20 | 0.17 | 0.15 |      |
|                   |        | 150    | 0.28 | 0.24 | 0.25 | 0.22 | 0.23 | 0.20 | 0.18 |      |
|                   | 300    | 150    | 0.31 | 0.27 | 0.29 | 0.25 | 0.27 | 0.23 | 0.20 |      |
|                   |        | 200    | 0.35 | 0.32 | 0.33 | 0.29 | 0.31 | 0.27 | 0.23 |      |
|                   | 400    | 150    | 0.38 | 0.33 | 0.36 | 0.32 | 0.35 | 0.30 | 0.26 |      |
|                   |        | 200    | 0.41 | 0.39 | 0.41 | 0.36 | 0.39 | 0.34 | 0.28 |      |
| 400               | 300    | 150    | 0.39 | 0.34 | 0.36 | 0.32 | 0.34 | 0.29 | 0.26 |      |
|                   |        | 200    | 0.44 | 0.40 | 0.41 | 0.36 | 0.38 | 0.33 | 0.29 |      |
|                   | 400    | 200    | 0.54 | 0.48 | 0.51 | 0.45 | 0.48 | 0.42 | 0.36 |      |
|                   |        | 200    | 0.74 | 0.65 | 0.71 | 0.62 | 0.68 | 0.58 | 0.50 |      |
|                   | 500    | 250    | 0.82 | 0.73 | 0.78 | 0.69 | 0.74 | 0.65 | 0.54 |      |
|                   |        | 200    | 0.53 | 0.47 | 0.49 | 0.43 | 0.45 | 0.39 | 0.35 |      |
| 500               | 400    | 200    | 0.65 | 0.57 | 0.61 | 0.53 | 0.57 | 0.49 | 0.44 |      |
|                   |        | 250    | 0.73 | 0.65 | 0.68 | 0.60 | 0.63 | 0.55 | 0.48 |      |
|                   | 500    | 200    | 0.77 | 0.67 | 0.73 | 0.63 | 0.69 | 0.59 | 0.52 |      |
|                   |        | 250    | 0.85 | 0.75 | 0.80 | 0.70 | 0.75 | 0.65 | 0.56 |      |
|                   | 600    | 400    | 200  | 0.76 | 0.66 | 0.71 | 0.62 | 0.66 | 0.57 | 0.51 |
|                   |        |        | 250  | 0.84 | 0.75 | 0.78 | 0.69 | 0.72 | 0.63 | 0.56 |
| 500               |        | 250    | 1.02 | 0.87 | 0.93 | 0.81 | 0.87 | 0.75 | 0.66 |      |
|                   |        | 200    | 1.03 | 0.89 | 0.98 | 0.84 | 0.94 | 0.79 | 0.71 |      |
| 600               |        | 250    | 1.13 | 0.98 | 1.07 | 0.92 | 1.01 | 0.86 | 0.76 |      |
|                   |        | 300    | 1.22 | 1.08 | 1.15 | 1.01 | 1.08 | 0.94 | 0.81 |      |
| 600               | 800    | 400    | 1.42 | 1.27 | 1.32 | 1.18 | 1.22 | 1.08 | 0.91 |      |
|                   |        | 300    | 1.52 | 1.33 | 1.45 | 1.26 | 1.38 | 1.19 | 1.02 |      |
|                   | 700    | 500    | 1.12 | 0.98 | 1.05 | 0.91 | 0.98 | 0.84 | 0.75 |      |
|                   |        | 800    | 600  | 200  | 1.32 | 1.13 | 1.26 | 1.06 | 1.19 | 1.00 |
|                   | 250    |        |      | 1.43 | 1.24 | 1.35 | 1.16 | 1.27 | 1.08 | 0.98 |
|                   | 300    |        | 1.55 | 1.36 | 1.45 | 1.26 | 1.36 | 1.16 | 1.04 |      |
| 400               |        |        | 1.78 | 1.58 | 1.65 | 1.46 | 1.52 | 1.33 | 1.16 |      |
| 800               | 250    |        | 1.79 | 1.54 | 1.71 | 1.46 | 1.63 | 1.38 | 1.24 |      |
|                   | 300    |        | 1.92 | 1.66 | 1.82 | 1.57 | 1.73 | 1.47 | 1.30 |      |
| 800               | 1000   | 300    | 2.29 | 1.97 | 2.20 | 1.88 | 2.10 | 1.78 | 1.57 |      |
|                   |        | 300    | 2.50 | 2.28 | 2.57 | 2.18 | 2.47 | 2.09 | 1.84 |      |
|                   | 1000   | 600    | 250  | 1.74 | 1.50 | 1.64 | 1.40 | 1.54 | 1.30 | 1.19 |
|                   |        |        | 300  | 2.04 | 1.63 | 1.75 | 1.51 | 1.63 | 1.39 | 1.27 |
|                   |        | 400    | 2.14 | 1.90 | 1.98 | 1.74 | 1.82 | 1.58 | 1.41 |      |
|                   |        |        | 250  | 2.17 | 1.85 | 2.07 | 1.75 | 1.97 | 1.65 | 1.51 |
| 800               |        | 300    | 2.32 | 2.00 | 2.20 | 1.88 | 2.08 | 1.76 | 1.59 |      |
|                   |        | 400    | 2.61 | 2.29 | 2.45 | 2.13 | 2.29 | 1.97 | 1.74 |      |
| 1000              | 1000   | 300    | 2.76 | 2.36 | 2.64 | 2.24 | 2.52 | 2.12 | 1.91 |      |
|                   |        | 1200   | 300  | 3.20 | 2.72 | 3.08 | 2.60 | 2.96 | 2.48 | 2.23 |
|                   | 1200   | 300    | 3.44 | 3.07 | 3.39 | 2.91 | 3.23 | 2.75 | 2.42 |      |
|                   |        | 1200   | 600  | 300  | 2.45 | 1.91 | 2.05 | 1.76 | 1.91 | 1.62 |
|                   | 400    |        |      | 2.83 | 2.21 | 2.30 | 2.02 | 2.11 | 1.82 | 1.66 |
|                   | 800    |        | 300  | 2.71 | 2.33 | 2.57 | 2.18 | 2.42 | 2.04 | 1.87 |
| 400               |        |        | 3.04 | 2.66 | 2.85 | 2.46 | 2.66 | 2.27 | 2.05 |      |
| 1000              | 300    |        | 3.23 | 2.75 | 3.08 | 2.60 | 2.94 | 2.46 | 2.25 |      |
|                   | 400    |        | 3.70 | 3.10 | 3.39 | 2.91 | 3.20 | 2.72 | 2.44 |      |
| 1200              | 300    | 3.74   | 3.17 | 3.60 | 3.02 | 3.46 | 2.88 | 2.63 |      |      |
|                   | 1400   | 1000   | 300  | 3.86 | 3.14 | 3.53 | 2.97 | 3.36 | 2.80 | 2.59 |










Use ProClima to save time and find the best solution!

**Installation mode**








- 1 Accessible from every side
- 2 Placed against a wall
- 3 On the end when suited
- 4 On the end when suited, placed against a wall
- 5 In the middle when suited
- 6 In the middle when suited, placed against a wall
- 7 In the middle when suited, placed against a wall with the top covered

The surfaces are given in m<sup>2</sup>.

### THALASSA wall-mounting enclosures

| Installation mode |        |        |                                                                                      |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|-------------------|--------|--------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| H (mm)            | W (mm) | D (mm) | 1  | 2  | 3  | 4  | 5  | 6  | 7  |
| 310               | 215    | 160    | 0.26                                                                                 | 0.23                                                                                  | 0.24                                                                                  | 0.21                                                                                  | 0.22                                                                                  | 0.19                                                                                  | 0.17                                                                                  |
| 307               | 255    | 164    | 0.29                                                                                 | 0.26                                                                                  | 0.27                                                                                  | 0.24                                                                                  | 0.25                                                                                  | 0.22                                                                                  | 0.19                                                                                  |
| 430               | 330    | 200    | 0.50                                                                                 | 0.45                                                                                  | 0.47                                                                                  | 0.41                                                                                  | 0.43                                                                                  | 0.38                                                                                  | 0.33                                                                                  |
| 530               | 430    | 200    | 0.72                                                                                 | 0.63                                                                                  | 0.68                                                                                  | 0.59                                                                                  | 0.64                                                                                  | 0.55                                                                                  | 0.49                                                                                  |
| 645               | 435    | 250    | 0.95                                                                                 | 0.84                                                                                  | 0.88                                                                                  | 0.77                                                                                  | 0.82                                                                                  | 0.71                                                                                  | 0.63                                                                                  |
| 745               | 535    | 300    | 1.34                                                                                 | 1.19                                                                                  | 1.26                                                                                  | 1.10                                                                                  | 1.17                                                                                  | 1.01                                                                                  | 0.89                                                                                  |
| 845               | 635    | 300    | 1.69                                                                                 | 1.47                                                                                  | 1.59                                                                                  | 1.37                                                                                  | 1.49                                                                                  | 1.27                                                                                  | 1.14                                                                                  |
| 1055              | 850    | 350    | 2.70                                                                                 | 2.34                                                                                  | 2.55                                                                                  | 2.19                                                                                  | 2.40                                                                                  | 2.04                                                                                  | 1.83                                                                                  |

### THALASSA floor-standing enclosures

| Installation mode |        |        |                                                                                      |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|-------------------|--------|--------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| H (mm)            | W (mm) | D (mm) | 1  | 2  | 3  | 4  | 5  | 6  | 7  |
| 500               | 500    | 320    | 0.96                                                                                 | 0.86                                                                                  | 0.90                                                                                  | 0.80                                                                                  | 0.83                                                                                  | 0.73                                                                                  | 0.62                                                                                  |
|                   |        | 420    | 1.12                                                                                 | 1.02                                                                                  | 1.04                                                                                  | 0.94                                                                                  | 0.95                                                                                  | 0.85                                                                                  | 0.71                                                                                  |
|                   | 750    | 320    | 1.30                                                                                 | 1.15                                                                                  | 1.24                                                                                  | 1.09                                                                                  | 1.17                                                                                  | 1.02                                                                                  | 0.85                                                                                  |
|                   |        | 420    | 1.49                                                                                 | 1.34                                                                                  | 1.41                                                                                  | 1.26                                                                                  | 1.33                                                                                  | 1.18                                                                                  | 0.96                                                                                  |
|                   | 1000   | 320    | 1.64                                                                                 | 1.44                                                                                  | 1.57                                                                                  | 1.37                                                                                  | 1.51                                                                                  | 1.31                                                                                  | 1.08                                                                                  |
|                   |        | 420    | 1.87                                                                                 | 1.67                                                                                  | 1.78                                                                                  | 1.58                                                                                  | 1.70                                                                                  | 1.50                                                                                  | 1.20                                                                                  |
| 750               | 500    | 320    | 1.97                                                                                 | 1.72                                                                                  | 1.91                                                                                  | 1.66                                                                                  | 1.85                                                                                  | 1.60                                                                                  | 1.32                                                                                  |
|                   |        | 420    | 2.24                                                                                 | 1.99                                                                                  | 2.15                                                                                  | 1.90                                                                                  | 2.07                                                                                  | 1.82                                                                                  | 1.45                                                                                  |
|                   | 750    | 320    | 1.33                                                                                 | 1.18                                                                                  | 1.24                                                                                  | 1.09                                                                                  | 1.14                                                                                  | 0.99                                                                                  | 0.88                                                                                  |
|                   |        | 420    | 1.54                                                                                 | 1.39                                                                                  | 1.41                                                                                  | 1.26                                                                                  | 1.28                                                                                  | 1.13                                                                                  | 0.99                                                                                  |
|                   | 1000   | 320    | 1.78                                                                                 | 1.56                                                                                  | 1.68                                                                                  | 1.46                                                                                  | 1.59                                                                                  | 1.36                                                                                  | 1.20                                                                                  |
|                   |        | 420    | 2.02                                                                                 | 1.80                                                                                  | 1.89                                                                                  | 1.67                                                                                  | 1.77                                                                                  | 1.54                                                                                  | 1.32                                                                                  |
| 1000              | 500    | 320    | 2.23                                                                                 | 1.93                                                                                  | 2.13                                                                                  | 1.83                                                                                  | 2.04                                                                                  | 1.74                                                                                  | 1.51                                                                                  |
|                   |        | 420    | 2.51                                                                                 | 2.21                                                                                  | 2.38                                                                                  | 2.08                                                                                  | 2.25                                                                                  | 1.95                                                                                  | 1.66                                                                                  |
|                   | 750    | 320    | 2.68                                                                                 | 2.30                                                                                  | 2.58                                                                                  | 2.21                                                                                  | 2.49                                                                                  | 2.11                                                                                  | 1.83                                                                                  |
|                   |        | 420    | 2.99                                                                                 | 2.61                                                                                  | 2.86                                                                                  | 2.49                                                                                  | 2.74                                                                                  | 2.36                                                                                  | 2.00                                                                                  |
|                   | 1000   | 320    | 1.70                                                                                 | 1.50                                                                                  | 1.57                                                                                  | 1.37                                                                                  | 1.44                                                                                  | 1.24                                                                                  | 1.13                                                                                  |
|                   |        | 420    | 1.95                                                                                 | 1.75                                                                                  | 1.78                                                                                  | 1.58                                                                                  | 1.61                                                                                  | 1.41                                                                                  | 1.27                                                                                  |
| 1250              | 500    | 320    | 2.26                                                                                 | 1.96                                                                                  | 2.13                                                                                  | 1.83                                                                                  | 2.01                                                                                  | 1.71                                                                                  | 1.54                                                                                  |
|                   |        | 420    | 2.55                                                                                 | 2.25                                                                                  | 2.38                                                                                  | 2.08                                                                                  | 2.21                                                                                  | 1.91                                                                                  | 1.69                                                                                  |
|                   | 750    | 320    | 2.82                                                                                 | 2.42                                                                                  | 2.70                                                                                  | 2.30                                                                                  | 2.57                                                                                  | 2.17                                                                                  | 1.94                                                                                  |
|                   |        | 420    | 3.14                                                                                 | 2.74                                                                                  | 2.98                                                                                  | 2.58                                                                                  | 2.81                                                                                  | 2.41                                                                                  | 2.11                                                                                  |
|                   | 1000   | 320    | 3.39                                                                                 | 2.89                                                                                  | 3.26                                                                                  | 2.76                                                                                  | 3.13                                                                                  | 2.63                                                                                  | 2.35                                                                                  |
|                   |        | 420    | 3.74                                                                                 | 3.24                                                                                  | 3.57                                                                                  | 3.07                                                                                  | 3.41                                                                                  | 2.91                                                                                  | 2.54                                                                                  |
| 1500              | 500    | 320    | 2.07                                                                                 | 1.82                                                                                  | 1.91                                                                                  | 1.66                                                                                  | 1.75                                                                                  | 1.50                                                                                  | 1.39                                                                                  |
|                   |        | 420    | 2.36                                                                                 | 2.11                                                                                  | 2.15                                                                                  | 1.90                                                                                  | 1.94                                                                                  | 1.69                                                                                  | 1.55                                                                                  |
|                   | 750    | 320    | 2.74                                                                                 | 2.37                                                                                  | 2.58                                                                                  | 2.21                                                                                  | 2.42                                                                                  | 2.05                                                                                  | 1.88                                                                                  |
|                   |        | 420    | 3.07                                                                                 | 2.70                                                                                  | 2.86                                                                                  | 2.49                                                                                  | 2.65                                                                                  | 2.28                                                                                  | 2.06                                                                                  |
|                   | 1000   | 320    | 3.42                                                                                 | 2.92                                                                                  | 3.26                                                                                  | 2.76                                                                                  | 3.10                                                                                  | 2.60                                                                                  | 2.37                                                                                  |
|                   |        | 420    | 3.78                                                                                 | 3.28                                                                                  | 3.57                                                                                  | 3.07                                                                                  | 3.36                                                                                  | 2.86                                                                                  | 2.57                                                                                  |
| 1250              | 500    | 320    | 4.09                                                                                 | 3.47                                                                                  | 3.93                                                                                  | 3.31                                                                                  | 3.77                                                                                  | 3.15                                                                                  | 2.87                                                                                  |
|                   |        | 420    | 4.49                                                                                 | 3.87                                                                                  | 4.28                                                                                  | 3.66                                                                                  | 4.07                                                                                  | 3.45                                                                                  | 3.08                                                                                  |
|                   | 750    | 320    | 2.44                                                                                 | 2.14                                                                                  | 2.25                                                                                  | 1.95                                                                                  | 2.05                                                                                  | 1.75                                                                                  | 1.64                                                                                  |
|                   |        | 420    | 2.78                                                                                 | 2.48                                                                                  | 2.53                                                                                  | 2.23                                                                                  | 2.27                                                                                  | 1.97                                                                                  | 1.83                                                                                  |
|                   | 1000   | 320    | 3.23                                                                                 | 2.78                                                                                  | 3.03                                                                                  | 2.58                                                                                  | 2.84                                                                                  | 2.39                                                                                  | 2.22                                                                                  |
|                   |        | 420    | 3.60                                                                                 | 3.15                                                                                  | 3.35                                                                                  | 2.90                                                                                  | 3.10                                                                                  | 2.65                                                                                  | 2.43                                                                                  |
| 1250              | 320    | 4.01   | 3.41                                                                                 | 3.82                                                                                  | 3.22                                                                                  | 3.63                                                                                  | 3.03                                                                                  | 2.80                                                                                  |                                                                                       |
|                   | 420    | 4.42   | 3.82                                                                                 | 4.17                                                                                  | 3.57                                                                                  | 3.92                                                                                  | 3.32                                                                                  | 3.02                                                                                  |                                                                                       |
| 1500              | 320    | 4.80   | 4.05                                                                                 | 4.61                                                                                  | 3.86                                                                                  | 4.42                                                                                  | 3.67                                                                                  | 3.39                                                                                  |                                                                                       |
|                   | 420    | 5.24   | 4.49                                                                                 | 4.99                                                                                  | 4.24                                                                                  | 4.74                                                                                  | 3.99                                                                                  | 3.62                                                                                  |                                                                                       |

### Spacial floor-standing enclosures

| Installation mode |        |        |      |      |      |      |      |      |      |      |
|-------------------|--------|--------|------|------|------|------|------|------|------|------|
| H (mm)            | W (mm) | D (mm) | 1    | 2    | 3    | 4    | 5    | 6    | 7    |      |
| 1200              | 800    | 300    | 2.71 | 2.33 | 2.57 | 2.18 | 2.42 | 2.04 | 1.87 |      |
|                   | 1000   | 300    | 3.23 | 2.75 | 3.08 | 2.60 | 2.94 | 2.46 | 2.25 |      |
|                   | 1200   | 400    | 4.13 | 3.55 | 3.94 | 3.36 | 3.74 | 3.17 | 2.83 |      |
| 1400              | 600    | 300    | 2.52 | 2.18 | 2.35 | 2.02 | 2.18 | 1.85 | 1.72 |      |
|                   |        | 400    | 2.86 | 2.52 | 2.63 | 2.30 | 2.41 | 2.07 | 1.90 |      |
|                   | 800    | 300    | 3.11 | 2.66 | 2.94 | 2.49 | 2.77 | 2.32 | 2.16 |      |
|                   |        | 400    | 3.47 | 3.02 | 3.25 | 2.80 | 3.02 | 2.58 | 2.35 |      |
|                   | 1000   | 400    | 4.09 | 3.53 | 3.86 | 3.30 | 3.64 | 3.08 | 2.80 |      |
|                   | 1200   | 400    | 4.70 | 4.03 | 4.48 | 3.81 | 4.26 | 3.58 | 3.25 |      |
| 1600              | 600    | 300    | 2.84 | 2.46 | 2.65 | 2.27 | 2.46 | 2.08 | 1.95 |      |
|                   |        | 400    | 3.22 | 2.83 | 2.96 | 2.58 | 2.70 | 2.32 | 2.15 |      |
|                   | 800    | 300    | 3.50 | 2.99 | 3.31 | 2.80 | 3.12 | 2.61 | 2.44 |      |
|                   |        | 400    | 3.90 | 3.39 | 3.65 | 3.14 | 3.39 | 2.88 | 2.66 |      |
|                   | 1000   | 300    | 4.16 | 3.52 | 3.97 | 3.33 | 3.78 | 3.14 | 2.93 |      |
|                   | 400    | 4.59   | 3.95 | 4.34 | 3.70 | 4.08 | 3.44 | 3.16 |      |      |
|                   | 1200   | 300    | 4.82 | 4.06 | 4.63 | 3.86 | 4.44 | 3.67 | 3.42 |      |
|                   |        | 400    | 5.28 | 4.51 | 5.02 | 4.26 | 4.77 | 4.00 | 3.66 |      |
|                   | 1800   | 600    | 300  | 3.17 | 2.74 | 2.95 | 2.52 | 2.74 | 2.30 | 2.18 |
|                   |        |        | 400  | 3.58 | 3.14 | 3.29 | 2.86 | 3.00 | 2.57 | 2.40 |
|                   |        |        | 500  | 3.98 | 3.55 | 3.62 | 3.19 | 3.26 | 2.83 | 2.62 |
|                   |        | 800    | 300  | 3.90 | 3.32 | 3.68 | 3.11 | 3.47 | 2.89 | 2.72 |
| 400               |        |        | 4.34 | 3.76 | 4.05 | 3.47 | 3.76 | 3.18 | 2.96 |      |
| 500               |        |        | 4.77 | 4.20 | 4.41 | 3.84 | 4.05 | 3.48 | 3.20 |      |
| 1000              |        | 600    | 5.21 | 4.63 | 4.78 | 4.20 | 4.34 | 3.77 | 3.43 |      |
|                   |        | 400    | 5.10 | 4.38 | 4.81 | 4.09 | 4.52 | 3.80 | 3.52 |      |
| 1200              |        | 500    | 5.56 | 4.84 | 5.20 | 4.48 | 4.84 | 4.12 | 3.77 |      |
|                   |        | 400    | 5.86 | 4.99 | 5.57 | 4.70 | 5.28 | 4.42 | 4.08 |      |
| 1600              |        | 500    | 6.35 | 5.48 | 5.99 | 5.12 | 5.63 | 4.76 | 4.34 |      |
|                   |        | 400    | 7.38 | 6.22 | 7.09 | 5.94 | 6.80 | 5.65 | 5.20 |      |
| 2000              | 500    | 7.92   | 6.77 | 7.56 | 6.41 | 7.20 | 6.05 | 5.49 |      |      |
|                   | 600    | 300    | 3.49 | 3.01 | 3.25 | 2.77 | 3.01 | 2.53 | 2.41 |      |
| 2000              | 600    | 400    | 3.94 | 3.46 | 3.62 | 3.14 | 3.30 | 2.82 | 2.65 |      |
|                   |        | 500    | 4.38 | 3.90 | 3.98 | 3.50 | 3.58 | 3.10 | 2.89 |      |
|                   |        | 800    | 300  | 4.30 | 3.66 | 4.06 | 3.42 | 3.82 | 3.18 | 3.01 |
|                   | 800    | 400    | 4.77 | 4.13 | 4.45 | 3.81 | 4.13 | 3.49 | 3.26 |      |
|                   |        | 500    | 5.24 | 4.60 | 4.84 | 4.20 | 4.44 | 3.80 | 3.52 |      |
|                   |        | 600    | 5.71 | 5.07 | 5.23 | 4.59 | 4.75 | 4.11 | 3.78 |      |
|                   | 1000   | 400    | 5.60 | 4.80 | 5.28 | 4.48 | 4.96 | 4.16 | 3.88 |      |
|                   |        | 500    | 6.10 | 5.30 | 5.70 | 4.90 | 5.30 | 4.50 | 4.15 |      |
|                   | 1200   | 400    | 6.43 | 5.47 | 6.11 | 5.15 | 5.79 | 4.83 | 4.50 |      |
|                   |        | 500    | 6.96 | 6.00 | 6.56 | 5.60 | 6.16 | 5.20 | 4.78 |      |
|                   | 1600   | 600    | 7.49 | 6.53 | 7.01 | 6.05 | 6.53 | 5.57 | 5.06 |      |
|                   |        | 400    | 8.10 | 6.82 | 7.78 | 6.50 | 7.46 | 6.18 | 5.73 |      |
| 500               |        | 8.68   | 7.40 | 8.28 | 7.00 | 7.88 | 6.60 | 6.04 |      |      |
| 2000              | 600    | 9.26   | 7.98 | 8.78 | 7.50 | 8.30 | 7.02 | 6.35 |      |      |



Use ProClima to save time and find the best solution!

**Installation mode**

- 1 Accessible from every side
- 2 Placed against a wall
- 3 On the end when suited
- 4 On the end when suited, placed against a wall
- 5 In the middle when suited
- 6 In the middle when suited, placed against a wall
- 7 In the middle when suited, placed against a wall with the top covered

The surfaces are given in m<sup>2</sup>.



### Spacial suitable enclosures

| Installation mode |        |        |      |      |      |      |      |      |      |      |
|-------------------|--------|--------|------|------|------|------|------|------|------|------|
| H (mm)            | W (mm) | D (mm) | 1    | 2    | 3    | 4    | 5    | 6    | 7    |      |
| 1200              | 600    | 400    | 2.50 | 2.21 | 2.30 | 2.02 | 2.11 | 1.82 | 1.66 |      |
|                   |        | 600    | 3.10 | 2.81 | 2.81 | 2.52 | 2.52 | 2.23 | 1.98 |      |
|                   | 800    | 400    | 3.04 | 2.66 | 2.85 | 2.46 | 2.66 | 2.27 | 2.05 |      |
|                   |        | 600    | 3.70 | 3.31 | 3.41 | 3.02 | 3.12 | 2.74 | 2.40 |      |
| 1400              | 600    | 400    | 2.86 | 2.52 | 2.63 | 2.30 | 2.41 | 2.07 | 1.90 |      |
|                   | 800    | 400    | 3.47 | 3.02 | 3.25 | 2.80 | 3.02 | 2.58 | 2.35 |      |
| 1600              | 600    | 600    | 3.96 | 3.58 | 3.58 | 3.19 | 3.19 | 2.81 | 2.56 |      |
|                   |        | 800    | 4.70 | 4.32 | 4.19 | 3.81 | 3.68 | 3.30 | 2.96 |      |
|                   | 800    | 600    | 4.70 | 4.19 | 4.32 | 3.81 | 3.94 | 3.42 | 3.09 |      |
|                   | 800    | 800    | 5.50 | 4.99 | 4.99 | 4.48 | 4.48 | 3.97 | 3.52 |      |
|                   |        | 400    | 400  | 2.82 | 2.53 | 2.53 | 2.24 | 2.24 | 1.95 | 1.84 |
|                   |        |        | 500  | 3.20 | 2.91 | 2.84 | 2.55 | 2.48 | 2.19 | 2.05 |
| 600               | 3.58   |        | 3.29 | 3.14 | 2.86 | 2.71 | 2.42 | 2.26 |      |      |
|                   | 600    | 400    | 3.58 | 3.14 | 3.29 | 2.86 | 3.00 | 2.57 | 2.40 |      |
|                   |        | 500    | 3.98 | 3.55 | 3.62 | 3.19 | 3.26 | 2.83 | 2.62 |      |
|                   |        | 600    | 4.39 | 3.96 | 3.96 | 3.53 | 3.53 | 3.10 | 2.84 |      |
|                   | 800    | 800    | 5.21 | 4.78 | 4.63 | 4.20 | 4.06 | 3.62 | 3.29 |      |
|                   |        | 400    | 4.34 | 3.76 | 4.05 | 3.47 | 3.76 | 3.18 | 2.96 |      |
|                   |        | 500    | 4.77 | 4.20 | 4.41 | 3.84 | 4.05 | 3.48 | 3.20 |      |
|                   | 600    | 600    | 5.21 | 4.63 | 4.78 | 4.20 | 4.34 | 3.77 | 3.43 |      |
|                   |        | 400    | 400  | 5.10 | 4.38 | 4.81 | 4.09 | 4.52 | 3.80 | 3.52 |
|                   |        |        | 500  | 5.56 | 4.84 | 5.20 | 4.48 | 4.84 | 4.12 | 3.77 |
| 600               | 6.02   |        | 5.30 | 5.59 | 4.87 | 5.16 | 4.44 | 4.02 |      |      |
|                   | 1200   | 400    | 5.86 | 4.99 | 5.57 | 4.70 | 5.28 | 4.42 | 4.08 |      |
|                   |        | 500    | 6.35 | 5.48 | 5.99 | 5.12 | 5.63 | 4.76 | 4.34 |      |
|                   |        | 600    | 6.84 | 5.98 | 6.41 | 5.54 | 5.98 | 5.11 | 4.61 |      |
| 2000              | 300    | 500    | 3.09 | 2.85 | 2.69 | 2.45 | 2.29 | 2.05 | 1.95 |      |
|                   |        | 600    | 3.49 | 3.25 | 3.01 | 2.77 | 2.53 | 2.29 | 2.17 |      |
|                   | 400    | 400    | 3.10 | 2.78 | 2.78 | 2.46 | 2.46 | 2.14 | 2.03 |      |
|                   |        | 500    | 3.52 | 3.20 | 3.12 | 2.80 | 2.72 | 2.40 | 2.26 |      |
|                   | 600    | 600    | 3.94 | 3.62 | 3.46 | 3.14 | 2.98 | 2.66 | 2.49 |      |
|                   |        | 800    | 4.77 | 4.45 | 4.13 | 3.81 | 3.49 | 3.17 | 2.94 |      |
|                   |        | 400    | 3.94 | 3.46 | 3.62 | 3.14 | 3.30 | 2.82 | 2.65 |      |
|                   | 500    | 400    | 4.38 | 3.90 | 3.98 | 3.50 | 3.58 | 3.10 | 2.89 |      |
|                   |        | 600    | 4.82 | 4.34 | 4.34 | 3.86 | 3.86 | 3.38 | 3.13 |      |
|                   |        | 800    | 5.71 | 5.23 | 5.07 | 4.59 | 4.43 | 3.95 | 3.62 |      |
|                   | 800    | 400    | 4.77 | 4.13 | 4.45 | 3.81 | 4.13 | 3.49 | 3.26 |      |
|                   |        | 500    | 5.24 | 4.60 | 4.84 | 4.20 | 4.44 | 3.80 | 3.52 |      |
|                   |        | 600    | 5.71 | 5.07 | 5.23 | 4.59 | 4.75 | 4.11 | 3.78 |      |
|                   | 800    | 800    | 6.66 | 6.02 | 6.02 | 5.38 | 5.38 | 4.74 | 4.29 |      |
|                   |        | 400    | 400  | 5.60 | 4.80 | 5.28 | 4.48 | 4.96 | 4.16 | 3.88 |
|                   |        |        | 500  | 6.10 | 5.30 | 5.70 | 4.90 | 5.30 | 4.50 | 4.15 |
| 600               | 6.60   |        | 5.80 | 6.12 | 5.32 | 5.64 | 4.84 | 4.42 |      |      |
|                   | 800    | 800    | 7.60 | 6.80 | 6.96 | 6.16 | 6.32 | 5.52 | 4.96 |      |
|                   |        | 400    | 400  | 6.43 | 5.47 | 6.11 | 5.15 | 5.79 | 4.83 | 4.50 |
|                   |        |        | 500  | 6.96 | 6.00 | 6.56 | 5.60 | 6.16 | 5.20 | 4.78 |
|                   | 600    |        | 600  | 7.49 | 6.53 | 7.01 | 6.05 | 6.53 | 5.57 | 5.06 |
|                   |        | 800    | 8.54 | 7.58 | 7.90 | 6.94 | 7.26 | 6.30 | 5.63 |      |
|                   |        |        | 1600 | 400  | 8.10 | 6.82 | 7.78 | 6.50 | 7.46 | 6.18 |
| 500               | 8.68   |        |      | 7.40 | 8.28 | 7.00 | 7.88 | 6.60 | 6.04 |      |
| 600               | 9.26   |        |      | 7.98 | 8.78 | 7.50 | 8.30 | 7.02 | 6.35 |      |
| 2200              | 400    | 600    | 4.30 | 3.94 | 3.77 | 3.42 | 3.24 | 2.89 | 2.72 |      |
|                   |        | 600    | 5.26 | 4.73 | 4.73 | 4.20 | 4.20 | 3.67 | 3.42 |      |
|                   |        | 800    | 800  | 6.22 | 5.69 | 5.51 | 4.98 | 4.81 | 4.28 | 3.94 |
|                   |        |        | 600  | 6.22 | 5.51 | 5.69 | 4.98 | 5.16 | 4.46 | 4.12 |
|                   |        | 800    | 800  | 7.23 | 6.53 | 6.53 | 5.82 | 5.82 | 5.12 | 4.67 |
|                   |        |        | 600  | 7.18 | 6.30 | 6.65 | 5.77 | 6.12 | 5.24 | 4.82 |
|                   |        | 1000   | 600  | 8.14 | 7.08 | 7.61 | 6.55 | 7.08 | 6.02 | 5.52 |
|                   |        |        | 800  | 9.26 | 8.21 | 8.56 | 7.50 | 7.86 | 6.80 | 6.13 |

# Technical guides and spare parts

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|                                                                                            |            |
|--------------------------------------------------------------------------------------------|------------|
| <b>Enclosure certifications</b>                                                            | <b>532</b> |
| <b>International enclosure standard</b>                                                    | <b>533</b> |
| <b>Selection of enclosures</b>                                                             | <b>534</b> |
| <b>Degrees of protection provided by enclosures</b>                                        | <b>535</b> |
| <b>Classification of electrical equipment enclosures according to NEMA and UL</b>          | <b>536</b> |
| <b>Polyester base coating properties</b>                                                   | <b>538</b> |
| <b>Properties of the plastic materials</b>                                                 | <b>540</b> |
| <b>Description of the marking label affixed to ATEX certified wall-mounting enclosures</b> | <b>542</b> |
| <b>How to select your enclosures &amp; accessories?</b>                                    | <b>543</b> |
| <b>Spare parts</b>                                                                         | <b>544</b> |

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Product certifications are awarded for enclosures as components.

| Aim of the certification |                                                      |                                                          |                                                                                           |                                                                    |                                    |                                                   |
|--------------------------|------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------|------------------------------------|---------------------------------------------------|
| Range                    | International standard for electric power enclosures | Standards for industrial equipment and UL classification | Marine environment classification or approval for protection and resistance to vibrations | ATEX                                                               | Outdoor Heavy Duty                 | Low-voltage switchgear and controlgear assemblies |
|                          | Standard/Directive IEC 62208                         | UL508A and CAN CSA C22-2 no. 14                          | Rules of certifying bodies                                                                | European directive no. 94/9/EC EN 60079-0 and -7 EN 61241-0 and -1 | IEC 61439-5 ISO 12.944 IEC 61969-3 | IEC 61439-1&2                                     |
| <b>Spacial</b>           |                                                      |                                                          |                                                                                           |                                                                    |                                    |                                                   |
| SF                       | ● ●                                                  | ●                                                        | ● ●                                                                                       |                                                                    |                                    |                                                   |
| SFHD                     | ● ●                                                  |                                                          |                                                                                           |                                                                    | ●                                  |                                                   |
| SFP                      |                                                      |                                                          |                                                                                           |                                                                    |                                    | ●                                                 |
| SM                       | ● ●                                                  | ●                                                        | ●                                                                                         |                                                                    |                                    |                                                   |
| S3D                      | ● ●                                                  | ●                                                        | ● ● ● ●                                                                                   | ● (1)                                                              |                                    |                                                   |
| S3HD                     | ●                                                    |                                                          |                                                                                           |                                                                    | ●                                  |                                                   |
| SBM                      | ●                                                    | ●                                                        | ● ● ● ●                                                                                   |                                                                    |                                    |                                                   |
| SFX                      |                                                      |                                                          |                                                                                           |                                                                    |                                    |                                                   |
| SMX                      | ●                                                    | ●                                                        |                                                                                           |                                                                    |                                    |                                                   |
| S3X                      | ●                                                    | ●                                                        | ●                                                                                         | ● (1)                                                              |                                    |                                                   |
| <b>Thalassa</b>          |                                                      |                                                          |                                                                                           |                                                                    |                                    |                                                   |
| PLA                      | ● ●                                                  | ●                                                        | ●                                                                                         |                                                                    |                                    |                                                   |
| PLAT                     | ● ●                                                  |                                                          |                                                                                           |                                                                    |                                    |                                                   |
| PLAZ                     | ● ●                                                  |                                                          |                                                                                           |                                                                    |                                    |                                                   |
| PLATZ                    | ● ●                                                  |                                                          |                                                                                           |                                                                    |                                    |                                                   |
| PLD                      | ●                                                    |                                                          |                                                                                           |                                                                    |                                    |                                                   |
| PHD                      | ●                                                    |                                                          |                                                                                           |                                                                    | ●                                  |                                                   |
| PLM                      | ● ●                                                  | ●                                                        | ●                                                                                         | ● (1)                                                              |                                    |                                                   |
| PLS                      | ●                                                    | ● (3)                                                    |                                                                                           |                                                                    |                                    |                                                   |
| TBS/TBP                  | ●                                                    | ● (2)                                                    |                                                                                           |                                                                    |                                    |                                                   |
| <b>ClimaSys</b>          |                                                      |                                                          |                                                                                           |                                                                    |                                    |                                                   |
| CV                       |                                                      | ●                                                        |                                                                                           |                                                                    |                                    |                                                   |
| CU                       |                                                      | ●                                                        |                                                                                           |                                                                    |                                    |                                                   |
| CE                       |                                                      | ●                                                        |                                                                                           |                                                                    |                                    |                                                   |
| CR                       |                                                      | ●                                                        |                                                                                           |                                                                    |                                    |                                                   |
| CC                       |                                                      | ●                                                        |                                                                                           |                                                                    |                                    |                                                   |

(1) ATEX certifications relate to an adapted part of the range. These ranges are distinguished by their EX endings.  
 (2) Only TBP.  
 (3) Transparent cover in process.

| Official certification body                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Bureau Veritas                                                                      | LCIE (Bureau Veritas)                                                               | Bureau Veritas Marine Division                                                      | TUV Rheiland Group                                                                  | Underwriters Laboratories                                                           | Laboratorio Oficial J.M. Madariaga                                                  | Det Norske Veritas                                                                  | Germanischer Lloyd                                                                   | Lloyd's Register                                                                      | Dekra                                                                                 | Asefa                                                                                 |
|  |  |  |  |  |  |  |  |  |  |  |
| ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                    | ●                                                                                     | ●                                                                                     | ●                                                                                     |

PB60066-57



**Empty enclosures for low-voltage switchgear and controlgear assemblies.  
General rules.**

## Application

For empty enclosures before adding the user's switchgear, in the condition as supplied by the manufacturer.

## Field of application

Demands for testing the enclosures to be used as part of the switchgear assemblies for voltages of less than 1000 V alternating current and 1500 V direct current.

## Information supplied by the manufacturer

- Commercial trademark of the manufacturer: Schneider Electric.
- Mechanical characteristics, materials, conditions for use.
- Conditions for use:
  - Ambient air temperature for outdoor installations: -25 to +40°C.
  - Atmospheric conditions for outdoor installations: the humidity can temporarily reach 100% at a temperature of 25°C.
  - Transport and storage conditions: from -25 to +55°C; for limited periods not exceeding 24 h: up to +70°C.

\* European standard EN 62208 is identical to IEC 62208. European countries publish this standard according to the body in each country (for example BS EN 62208 in the UK).

PB60067-57



## Standard tests of standard IEC 62208

- Static loads: test 1.25 x maximum admissible load during 1 hour.
- Lifting: applicable to enclosures with lifting accessories.
- Axial loads of metal inserts: 500 N for 10 seconds for M8 inserts.
- IK code: test according to standard IEC 62262 with pendulum impact tester. After testing, the enclosure keeps its IP rating.
- IP rating: test according to standard IEC 60529. Degree of protection against access to dangerous parts and the penetration of solid bodies and against the penetration of water.
- Thermal stability at a temperature of 70 °C: 7 days.
- Resistance to heat: ball test at 70 °C (1).
- Resistance to abnormal heat and to fire: glow wire test according to IEC 60695-2-10 and IEC 60695-2-11 (1).
- Dielectric strength: 5000 V (1).
- Protection circuit continuity (2): resistance not to exceed 0.1 ohm.
- Weather resistance: duration 500 h (cycle: rain 5 minutes + UV lamp 25 minutes).
- Corrosion resistance:
  - For indoor enclosures:
    - 6 cycles of 24 hours of the damp heat test at 40 °C and relative humidity of 95%.
    - 2 cycles of 24 hours of the salt mist test at 35 °C.
  - For outdoor enclosures:
    - 12 cycles of 24 hours of the damp heat test at 40 °C and relative humidity of 95%.
    - 14 cycles of 24 hours of the salt mist test at 35 °C.

Our empty enclosures are marked CE according to the Low-Voltage Directive (LVD). It is the responsibility of the final equipment manufacturer to respect regulations in force.

(1) Information required for enclosures made from insulating material.  
(2) For metal enclosures.

## Selection according to the IP protection degrees

The degrees of protection, explained on the next page, is an important element when selecting the enclosures.

The following table shows the protection degrees of the enclosures.

| Name                                                | Range            | IP40 | IP41 | IP42 | IP43 | IP44 | IP54  | IP55  | IP65 | IP66  |
|-----------------------------------------------------|------------------|------|------|------|------|------|-------|-------|------|-------|
| Metal industrial boxes                              | Spacial SBM      |      |      |      |      |      |       | ● (4) |      | ● (4) |
| Metal derivation boxes                              | Spacial SDB      |      |      |      |      |      |       | ●     |      |       |
| Steel universal wall-mounting enclosures            | Spacial S3D      |      |      |      |      |      |       | ● (1) |      | ●     |
| Steel modular distribution wall-mounting enclosures | Spacial S3DM     |      |      |      |      |      |       |       |      | ●     |
| Terminal wall-mounting enclosures                   | Spacial S3DB     |      |      |      |      |      |       |       |      | ●     |
| EMC steel wall-mounting enclosures                  | Spacial S3HF     |      |      |      |      |      |       | ●     |      |       |
| HMI steel wall-mounting enclosures                  | Spacial S3CM     |      |      |      |      |      | ●     |       |      |       |
| ATEX steel wall-mounting enclosures                 | Spacial S3DEX    |      |      |      |      |      |       |       |      | ●     |
| Stainless-steel wall-mounting enclosures            | Spacial S3X      |      |      |      |      |      |       |       |      | ●     |
| ATEX stainless-steel wall-mounting enclosures       | Spacial S3XEX    |      |      |      |      |      |       |       |      | ●     |
| Steel floor-standing enclosures                     | Spacial SM       |      |      |      |      |      |       | ●     |      |       |
| Steel suitable enclosures                           | Spacial SF       |      |      |      |      |      |       | ●     |      |       |
| Stainless-steel floor-standing enclosures           | Spacial SMX      |      |      |      |      |      |       | ●     |      |       |
| Stainless-steel suitable enclosures                 | Spacial SFX      |      |      |      |      |      |       | ●     |      |       |
| Steel control desks                                 | Spacial SD       |      |      |      |      |      |       | ●     |      |       |
| Stainless-steel control desks                       | Spacial SDX      |      |      |      |      |      |       | ●     |      |       |
| Thermoplastic industrial boxes                      | Thalassa TBS-TBP |      |      |      |      |      |       |       |      | ●     |
| Polyester modular boxes                             | Thalassa PLS     |      |      |      |      |      |       |       | ●    |       |
| Polyester wall-mounting enclosures                  | Thalassa PLM     |      |      |      |      |      |       |       |      | ●     |
| ATEX polyester wall-mounting enclosures             | Thalassa PLMEX   |      |      |      |      |      |       |       |      | ●     |
| Polyester floor-standing enclosures                 | Thalassa PLA (2) |      |      |      |      | ●    |       |       | ●    |       |
|                                                     | Thalassa PLD     |      |      |      | ●    |      | ● (3) |       |      |       |

(1) Double door.

(2) Different IP depending on the version. See introduction in Thalassa PLA section.

(3) With gasket.

(4) Different IP depending on the version: Spacial SBM flat box: IP66 - Spacial SBMC FL21 entry box and Spacial SBMB Bus box: IP55.

## The universal offer

> **3** Material solutions

Steel

Stainless-steel

Plastic & Polyester

## Selection according to the environment

The location of the enclosures and the physical, chemical and climatic conditions to which they are exposed will determine the model to be used.

- Steel enclosures are particularly well suited to indoor use in industrial environments.
- Stainless-steel enclosures are particularly well suited to corrosive environments or areas where specific hygiene demands are applicable.
- Polyester enclosures are particularly well suited to severe corrosive atmospheres, indoors or outdoors.

Enclosures made from insulating materials guarantee total insulation, reducing electric hazards for persons.
















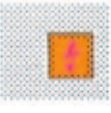











The main characteristics of the plastic materials of our enclosures and their chemical strength are given on page 540.

Further help for making the selection is given by the NEMA or UL classification of the enclosure, see page 537.

# Degrees of protection provided by enclosures

- The degrees of protection provided by the enclosures are defined by standards IEC 60529 (IP) and IEC 62262 (IK).
- Degrees of protection are indicated by the letters IP followed by two characteristic numerals. The numerals show the degree of protection offered by the enclosure against access to dangerous parts, the penetration of solid bodies (1st numeral), and against the penetration of liquids (2nd numeral).
- The protection against external mechanical impact is indicated by the letters IK followed by a characteristic group numeral.

**Note:** Many EN European standards are harmonised with international IEC standards.  
 This is the case with enclosure protection standards:  
 - EN 60529 = IEC 60529.  
 - EN 62262 = IEC 62262.

|                                                                                                                                                                                            | IP                                                                                                                                                                         | IK                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| First numeral<br>Protection against solid bodies                                                                                                                                           | Second numeral<br>Protection against liquids                                                                                                                               | Mechanical protection                                                                                                             |
| <b>0</b><br>No protection<br>                                                                             | <b>0</b><br>No protection<br>                                                           | <b>0</b><br>No protection<br>                  |
| <b>1</b><br><br>Protected against solid bodies larger than 50 mm (e.g.: incidental contact with the hand) | <b>1</b><br><br>Protected against vertically falling water droplets (condensation)       | <b>1</b><br><br>Impact energy: 0.150 Joules    |
| <b>2</b><br><br>Protected against solid bodies larger than 12 mm (e.g.: finger contact)                   | <b>2</b><br><br>Protected against water droplets deflected at up to 15° from vertical    | <b>2</b><br><br>Impact energy: 0.200 Joules    |
| <b>3</b><br><br>Protected against solid bodies larger than 2.5 mm (tools, wires)                         | <b>3</b><br><br>Protected against rainwater at up to 60° from vertical                  | <b>3</b><br><br>Impact energy: 0.350 Joules    |
| <b>4</b><br><br>Protected against solid bodies larger than 1 mm (fine tools, small wires)               | <b>4</b><br><br>▲ Protection against water spray from all directions                   | <b>4</b><br><br>Impact energy: 0.500 Joules   |
| <b>5</b><br><br>◆ Protected against dust (no harmful deposits)                                          | <b>5</b><br><br>▲▲ Protected against low-pressure water jets from all directions       | <b>5</b><br><br>Impact energy: 0.700 Joules  |
| <b>6</b><br><br>◆ Totally dust tight                                                                    | <b>6</b><br><br>Protected against powerful water jets from all directions              | <b>6</b><br><br>Impact energy: 1.00 Joules   |
|                                                                                                                                                                                            | <b>7</b><br><br>** Protected against the effects of immersion                          | <b>7</b><br><br>Impact energy: 2.00 Joules   |
|                                                                                                                                                                                            | <b>8</b><br><br>**...m Protected against prolonged effects of immersion under pressure | <b>8</b><br><br>Impact energy: 5.00 Joules   |
|                                                                                                                                                                                            |                                                                                                                                                                            | <b>9</b><br><br>Impact energy: 10.00 Joules  |
|                                                                                                                                                                                            |                                                                                                                                                                            | <b>10</b><br><br>Impact energy: 20.00 Joules |

# Classification of electrical equipment enclosures according to NEMA and UL

NEMA and UL are standardisation bodies, commonly recognised in North America, which have issued classifications of enclosures according to the protection offered in various environments.

These classifications are similar.

The 1<sup>st</sup> table below summarises this classification, which does not include potentially explosive areas. The detailed recommendations of this classification are given on the next page.

The 2<sup>nd</sup> table indicates the classification of our enclosures.

These classifications appear in our UL certifications (see Certification technical annex on page 532).

Certification according to the UL classification guarantees the corresponding NEMA classification by equivalence.

| Environment and protection                                     | Classification |   |   |    |    |   |    |   |   |    |    |     |    |
|----------------------------------------------------------------|----------------|---|---|----|----|---|----|---|---|----|----|-----|----|
|                                                                | 1              | 2 | 3 | 3R | 3S | 4 | 4X | 5 | 6 | 6P | 12 | 12K | 13 |
| Indoor use                                                     | ●              | ● | ● | ●  | ●  | ● | ●  | ● | ● | ●  | ●  | ●   | ●  |
| Outdoor use                                                    |                |   | ● | ●  | ●  | ● | ●  |   | ● |    |    |     |    |
| Incidental contact with the equipment                          | ●              | ● | ● | ●  | ●  | ● | ●  | ● | ● | ●  | ●  | ●   | ●  |
| Dirt                                                           | ●              | ● | ● | ●  | ●  | ● | ●  | ● | ● | ●  | ●  | ●   | ●  |
| Drips and gentle splashes of non-corrosive liquids             |                | ● | ● | ●  | ●  | ● | ●  | ● | ● | ●  | ●  | ●   | ●  |
| Rain, frost* and snow                                          |                |   | ● | ●  | ●  | ● | ●  |   | ● | ●  |    |     |    |
| Frost**                                                        |                |   |   |    | ●  |   |    |   |   |    |    |     |    |
| Dust, fibres and particles in suspension                       |                |   | ● |    | ●  | ● | ●  |   | ● | ●  | ●  | ●   | ●  |
| Built-up dust, fibres and particles in suspension              |                |   | ● |    | ●  | ● | ●  | ● | ● | ●  | ●  | ●   | ●  |
| Clouds of dust                                                 |                |   | ● |    | ●  | ● | ●  |   | ● | ●  |    |     |    |
| Splashes and jets of water                                     |                |   |   |    |    | ● | ●  |   | ● | ●  |    |     |    |
| Gentle splashes and leaks of oil or non-corrosive coolants     |                |   |   |    |    |   |    |   |   |    | ●  | ●   | ●  |
| Drips, splashing and spraying of oil or non-corrosive coolants |                |   |   |    |    |   |    |   |   |    |    |     | ●  |
| Corrosive agents                                               |                |   |   |    |    |   |    | ● |   | ●  |    |     |    |
| Occasional temporary immersion                                 |                |   |   |    |    |   |    |   | ● | ●  |    |     |    |
| Occasional prolonged immersion                                 |                |   |   |    |    |   |    |   |   | ●  |    |     |    |

\* The operation of the external mechanisms is not required when the enclosure is covered with frost.

\*\* The operation of the external mechanisms is required when the enclosure is covered with frost.

| Enclosures                                |         | Type of protection (1) |      |      |      |      |      |      |      |   |    |    |      |      |
|-------------------------------------------|---------|------------------------|------|------|------|------|------|------|------|---|----|----|------|------|
| Name                                      | Range   | 1                      | 2    | 3    | 3R   | 3S   | 4    | 4X   | 5    | 6 | 6P | 12 | 12K  | 13   |
| Steel wall-mounting enclosures            | S3D (1) | ●                      | ●(3) | ●(3) | ●(3) |      | ●(3) | ●(3) | ●    |   |    | ●  | ●(4) | ●    |
|                                           | S3HF    | ●                      | ●    | ●    | ●    |      |      |      | ●    |   |    | ●  |      | ●    |
| Stainless-steel wall-mounting enclosures  | S3X (2) | ●                      | ●(3) | ●(3) | ●(3) |      | ●(3) | ●(3) | ●(3) |   |    | ●  | ●(4) | ●(3) |
| Steel floor-standing enclosures           | SM      | ●                      | ●(3) | ●(3) | ●(3) |      | ●(3) |      | ●(3) |   |    | ●  | ●    | ●    |
| Steel suitable enclosures                 | SF      | ●                      |      |      |      |      |      |      |      |   |    | ●  | ●    |      |
| Stainless-steel floor-standing enclosures | SMX     | ●                      | ●(3) | ●(3) | ●(3) |      | ●(3) | ●(3) | ●(3) |   |    | ●  | ●    | ●    |
| Stainless-steel suitable enclosures       | SFX     | ●                      |      |      |      |      |      |      |      |   |    | ●  | ●    |      |
| Thermoplastic boxes                       | TBP     | ●                      |      | ●    |      | ●    | ●    | ●    |      |   |    | ●  |      |      |
| Polyester modular boxes                   | PLS     | ●                      | ●    | ●    | ●    | ●    | ●    | ●    |      |   |    | ●  |      | ●    |
| Polyester wall-mounting enclosures        | PLM     | ●                      | ●    | ●    | ●    | ●    | ●    | ●    | ●    |   |    | ●  | ●    | ●    |
| Polyester floor-standing enclosures       | PLA     | ●                      | ●    | ●(3) | ●(3) | ●(3) | ●(3) | ●(3) | ●(3) |   |    | ●  |      | ●    |

(1) Also S3DM, S3DEX, S57 and S3DC.

(2) Also S3XEX.

(3) 1 door.

(4) 2 doors.

| Components                |       | Type of protection (4) |   |   |    |    |   |    |   |   |    |    |     |    |
|---------------------------|-------|------------------------|---|---|----|----|---|----|---|---|----|----|-----|----|
| Name                      | Range | 1                      | 2 | 3 | 3R | 3S | 4 | 4X | 5 | 6 | 6P | 12 | 12K | 13 |
| Ventilation system        | CV    |                        |   |   |    |    |   |    |   |   |    | ●  | ●   |    |
| Thermal regulation system | CC    |                        |   |   |    |    |   |    |   |   |    | ●  | ●   |    |

(4) In some ranges the classification depends on the model and version. The detailed protection types are indicated in the UL certifications.



# Classification of electrical equipment enclosures according to NEMA and UL

PS600063-55



PS600064-55



The enclosures must protect the equipment against environmental conditions and protect the personnel against the risk of incidental contact with the equipment. The following classifications (Type) are required according to the required uses and prescriptions:

| Type | Use                                      | Prescription                                                                                                                                                                                                                                                                                                                  |
|------|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | Indoor use                               | The enclosure provides protection for the personnel against incidental contact with the internal equipment and protects said equipment against dirt.                                                                                                                                                                          |
| 2    | Indoor use                               | It provides protection for the personnel against incidental contact with the internal equipment and protects said equipment against dirt, drips and gentle splashes of non-corrosive liquids.                                                                                                                                 |
| 3    | Indoor and outdoor use                   | The enclosure provides protection for the personnel against incidental contact with the internal equipment and protects said equipment against dirt, rain, sleet, snow, windblown and resists the formation of ice on the outside.                                                                                            |
| 3R   | Indoor and outdoor use                   | The enclosure provides protection for the personnel against incidental contact with the internal equipment and protects said equipment against dirt, rain, sleet, snow and resists the formation of ice on the outside.                                                                                                       |
| 3S   | Indoor and outdoor use                   | The enclosure provides protection for the personnel against incidental contact with the internal equipment and protects said equipment against dirt, rain, sleet, snow and windblown dust. The external mechanism must continue to work even when layers of ice are formed.                                                   |
| 4    | Indoor and outdoor use                   | The enclosure provides protection for the personnel against incidental contact with the internal equipment and protects said equipment against dirt, rain, sleet, snow, windblown dust, splashes and hose-directed water and resists the formation of frost on the outside.                                                   |
| 4x   | Indoor and outdoor use                   | The enclosure provides protection for the personnel against incidental contact with the internal equipment and protects said equipment against dirt, rain, sleet, snow, windblown dust, splashes, hose-directed water and resists corrosion and the formation of ice on the outside.                                          |
| 5    | Indoor use                               | The enclosure provides protection for the personnel against incidental contact with the internal equipment and protects said equipment against dirt, settling airborne dust, lint, fibres, flyings, drips and gentle splashes of non-corrosive liquids.                                                                       |
| 6    | Indoor and outdoor use                   | The enclosure provides protection for the personnel against incidental contact with the internal equipment and protects said equipment against dirt, rain, sleet, snow, hose-directed water, the entry of water during occasional temporary submersion to a limited depth and resists the formation of ice on the outside.    |
| 6P   | Indoor and outdoor use                   | The enclosure provides protection for the personnel against incidental contact with the internal equipment and protects said equipment against dirt, rain, sleet, snow, hose-directed water, the entry of water during prolonged submersion to a limited depth and resists corrosion and the formation of ice on the outside. |
| 12   | Indoor use (without knockouts)           | The enclosure provides protection for the personnel against incidental contact with the internal equipment and protects said equipment against dirt, dust, fluff, fibres, particles in suspension, drips and gentle splashes of non-corrosive liquids as well as gentle splashes or leaks of oil and non-corrosive coolants.  |
| 12K  | Indoor use (enclosures with pre-routing) | The enclosure provides protection for the personnel against incidental contact with the internal equipment and protects said equipment against dirt, dust, lint, fibres flyings drips and gentle splashes of non-corrosive liquids as well as gentle splashes or leaks of oil and non-corrosive coolants.                     |
| 13   | Indoor use                               | The enclosure provides protection for the personnel against incidental contact with the internal equipment and protects said equipment against dirt, dust, lint, fibres flyings and the spraying, splashing, and seepage leaks of water, oil or non-corrosive coolants.                                                       |

**Note:** The above recommendations aim to explain the NEMA and UL classifications, but are not the official texts of NEMA or UL. The exact definitions provided by the Organisations are those of standards NEMA 250 and UL 50E.

# Polyester base coating properties

P8500088-98



## Product type

Thermosetting polyester resins based powder coating modified by epoxy resins and designed for decoration and to prevent corrosion.

The performance of this coating is superior to conventional epoxy powders in terms of: colour stability, temperature resistance and weather resistance.

Grey RAL 7035; appearance: structured.

## Mechanical properties

Test conditions: steel samples with a thickness of 10/10<sup>e</sup> mm.

Degreasing using biodegradable surface-active agents.

Film thickness: 60 microns.

|                                        |                          |                                                           |
|----------------------------------------|--------------------------|-----------------------------------------------------------|
| Bonding (scratching and adhesive tape) | ISO 2409                 | Class 1                                                   |
| Ericksen stamping                      | ISO 1520                 | ≥ 7 mm                                                    |
| Direct impact resistance               | ISO 6272                 | > 1 kg/70 cm                                              |
| Indirect impact resistance             | ISO 6272                 | > 1 kg/20 cm                                              |
| Bending around conical mandrel         | ISO 6860 - ASTM D 522-88 | Maximum cracking of 70 mm, without the paint coming loose |

## Chemical properties

Tests conducted at ambient temperature on phosphated samples covered with a 150 to 200 micron film:

■ Film intact.

■ Film attacked (blistering, yellowing, loss of gloss).

| Number of months |                         |      | 2          | 4          | 6         | 8         | 10        | 12 |  |  |  |
|------------------|-------------------------|------|------------|------------|-----------|-----------|-----------|----|--|--|--|
| <b>Acid</b>      | Acetic                  | 20 % | [Blue bar] |            |           |           |           |    |  |  |  |
|                  | Sulphuric               | 30 % | [Blue bar] |            |           |           |           |    |  |  |  |
|                  | Nitric                  | 30 % | [Blue bar] |            | [Red bar] |           |           |    |  |  |  |
|                  | Phosphoric              | 30 % | [Blue bar] |            |           |           |           |    |  |  |  |
|                  | Hydrochloric            | 30 % | [Blue bar] |            |           |           | [Red bar] |    |  |  |  |
|                  | Lactic                  | 10 % | [Blue bar] |            |           |           |           |    |  |  |  |
|                  | Citric                  | 10 % | [Blue bar] |            |           |           | [Red bar] |    |  |  |  |
|                  | <b>Base</b>             | Soda | 10 %       | [Blue bar] |           | [Red bar] |           |    |  |  |  |
| Ammonia          |                         | 10 % | [Blue bar] | [Red bar]  |           |           |           |    |  |  |  |
| <b>Water</b>     | Distilled water         |      | [Blue bar] |            |           |           | [Red bar] |    |  |  |  |
|                  | Sea water               |      | [Blue bar] |            |           |           |           |    |  |  |  |
|                  | Tap water               |      | [Blue bar] |            |           |           |           |    |  |  |  |
|                  | Diluted chloride bleach |      | [Blue bar] | [Red bar]  |           |           |           |    |  |  |  |
| <b>Solvents</b>  | Petrol                  |      | [Blue bar] |            |           | [Red bar] |           |    |  |  |  |
|                  | Higher alcohols         |      | [Blue bar] |            |           |           | [Red bar] |    |  |  |  |
|                  | Aliphatics              |      | [Blue bar] |            | [Red bar] |           |           |    |  |  |  |
|                  | Aromatics               |      | [Blue bar] |            |           | [Red bar] |           |    |  |  |  |
|                  | Ketones-esters          |      | [Red bar]  |            |           |           |           |    |  |  |  |
|                  | Tri-perchloroethylene   |      | [Red bar]  |            |           |           |           |    |  |  |  |

## Physical properties

Temperature resistance: -40°C and 100 hours at +150°C (colour: white).

Gloss retention: good.

## Resistance to corrosion

Compliance with standard IEC 62208 for outdoor installations: 288 h of humid heat and 336 h of salt mist.

# Polyester base coating properties

## Nuclear decontamination

Applicable to colours RAL 7035 and AFNOR A550.  
Standard NFT 30901. Percentage of decontamination for contamination by fission products. Please consult us for further details.

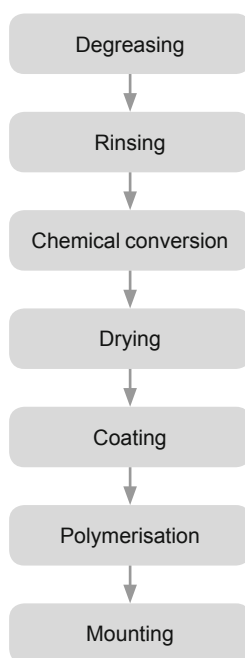
## Accelerated aging

Standard IEC 62208: 500 h UV according to ISO 4892 (method A) (adherence of the coating with minimum retention of 50% on the grid according to ISO 2409).

## Fire behaviour

Class M1 (self-extinguishing material).  
Class M0 (for coating on a metal base).

## Manufacturing process



# Properties of the plastic materials

## Mechanical, electrical, physical and fire-resistance properties

Plastic materials generally used to manufacture our products:

- ABS.
- Polycarbonate.
- PVC (polyvinyl chloride).
- Bayblend® = PC + ABS.
- Polyester reinforced with fibreglass.
- Altuglas.
- Polypropylene.
- Polystyrene.
- Polyamide 6 and 12.
- SBS.

| Specifications                  | Standards   | Units               | ABS        | Polycarbonate | PVC        | Bayblend®   | Polyester  | SBS           |
|---------------------------------|-------------|---------------------|------------|---------------|------------|-------------|------------|---------------|
| <b>Mechanical properties</b>    |             |                     |            |               |            |             |            |               |
| Tensile strength                | ISO 257     | MPa                 | 44         | > 65          | 45         | 35          | 85         | 5             |
| Tensile strain                  | ISO 527     | %                   | 12         | > 110         | 120 to 150 | 40          | 0          | 600           |
| Impact resistance               | ISO 179     | kJ/m <sup>2</sup>   | 125        | No breakage   | 25         | No breakage | 60         | No breakage   |
| Notching resistance             | ISO 179     | kJ/m <sup>2</sup>   | 19         | 25            | 20         | 25          | 50         | -             |
| <b>Electrical properties</b>    |             |                     |            |               |            |             |            |               |
| Stress point                    | IEC 60112   | -                   | -          | 250-300       | > 600      | > 550       | > 600      | -             |
| Surface strength                | IEC 60093   | ohm                 | 1015       | > 1015        | > 1013     | > 1014      | ≥1012      | > 1013        |
| Dielectric strength             | IEC 60243   | kV/mm               | 16.5       | > 30          | 30         | 24          | 18-20      | 20            |
| Specific resistivity            | IEC 60093   | ohm <sup>3</sup> cm | 1015       | > 1016        | ≥ 1015     | 1016        | ≥ 1012     | > 1016        |
| <b>Physical properties</b>      |             |                     |            |               |            |             |            |               |
| Softening temperature (Vicat B) | ISO 306     | °C                  | 95         | 145-150       | 79-80      | 115         | (1)        | 80            |
| Temperature resistance          | -           | °C                  | -40...+90  | -50...+125    | -20...+65  | -35...+90   | -50...+150 | -40...+120    |
| Water absorption                | ISO 62      | %                   | 0.2 - 0.45 | 0.15          | < 0.1      | 0.2         | 0.2        | -             |
| Specific weight                 | ISO 1183    | kg/dm <sup>3</sup>  | 1.04       | 1.21          | 1.4        | 1.12        | 1.85       | 0.3 in 24 h   |
| <b>Fire resistance</b>          |             |                     |            |               |            |             |            |               |
| Oxygen index                    | ISO 4589    | %                   | 19         | 26            | 45-50      | 22          | 24.4       | 18            |
| Glow wire resistance, 2 mm      | IEC 60695-2 | °C                  | 650        | 960           | 960        | 750         | 960        | 750° (1.5 mm) |
| Glow wire resistance, 3 mm      | IEC 60695-2 | °C                  | 650        | 960           | 960        | 750         | 960        | NA            |

(1) No softening of the polyester.

| Specifications                  | Standards   | Units               | Altuglas  | Polypropylene | Polystyrene | Polyamide 6 | Polyamide 12 |
|---------------------------------|-------------|---------------------|-----------|---------------|-------------|-------------|--------------|
| <b>Mechanical properties</b>    |             |                     |           |               |             |             |              |
| Tensile strength                | ISO 257     | MPa                 | 30        | 35            | 24          | 40          | 30           |
| Tensile strain                  | ISO 527     | %                   | 5         | 400           | 36          | 200         | 300          |
| Impact resistance               | ISO 179     | kJ/m <sup>2</sup>   | 20        | 20            | 63          | No breakage | No breakage  |
| Notching resistance             | ISO 179     | kJ/m <sup>2</sup>   | 3         | 5             | 50          | 31.2        | 15           |
| <b>Electrical properties</b>    |             |                     |           |               |             |             |              |
| Stress point                    | IEC 60112   | -                   | -         | -             | KB175       | KB175       | KB180        |
| Surface strength                | IEC 60093   | ohm                 | ≥ 1014    | -             | > 1013      | 1012        | 5 x 1010     |
| Dielectric strength             | IEC 60243   | kV/mm               | 13-15     | 20            | ≤ 40        | 23          | 55           |
| Specific resistivity            | IEC 60093   | ohm <sup>3</sup> cm | > 1015    | > 1016        | > 1015      | 1011        | 3 x 1011     |
| <b>Physical properties</b>      |             |                     |           |               |             |             |              |
| Softening temperature (Vicat B) | ISO 306     | °C                  | 120-122   | 75 (vicat A)  | 79          | 230         | 140          |
| Temperature resistance          | -           | °C                  | -20...+80 | -10...+80     | -15...+60   | -20...+100  | -50...+125   |
| Water absorption                | ISO 62      | %                   | < 0.5     | 0.1 in 24 h   | 0.1 in 24 h | 1.6         | 1.5          |
| Specific weight                 | ISO 1183    | kg/dm <sup>3</sup>  | 1.18      | 0.91          | 1.06        | 1.14        | 1.03         |
| <b>Fire resistance</b>          |             |                     |           |               |             |             |              |
| Oxygen index                    | ISO 4589    | %                   | 18.5      | 18            | 18          | 24          | 22           |
| Glow wire resistance, 2 mm      | IEC 60695-2 | °C                  | -         | 650           | 650         | 750         | 650          |
| Glow wire resistance, 3 mm      | IEC 60695-2 | °C                  | 960       | 650           | 650         | 850         | 650          |

# Properties of the plastic materials

## Resistance to chemical agents

The table shows:

- The concentration of the chemical agent in %; sat = saturation.
- The resistance of the material:
  - +: Resistant.
  - O: Limited resistance.
  - : Not resistant.

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- ABS.
- Polycarbonate.
- PVC (polyvinyl chloride).
- Bayblend® = PC + ABS.
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- Altuglas.
- Polypropylene.
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- Polyamide 6 and 12.
- SBS.

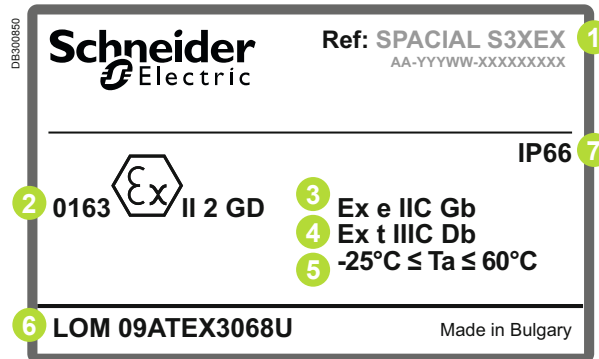
| Resistance to        | ABS  | Polycarbonate | PVC   | Bayblend® | Polyester | Altuglas      | Polypropylene | Poly-styrene | Polyamide 6  | Polyamide 12 | SBS   |
|----------------------|------|---------------|-------|-----------|-----------|---------------|---------------|--------------|--------------|--------------|-------|
| Acetone              | -    | -             | -     | -         | -         | O             | 100 +         | -            | 100 +        | +            | +     |
| Hydrochloric acid    | 15 + | 10 +          | 30 +  | 20 +      | 30 +      | sat +         | 10 +          | O            | 10 -         | 10 +         | 10 +  |
| Citric acid          |      | 10 +          | sat + | 10 +      | 100 +     | sat +         | sat +         | +            | 10 O         | +            | 10 +  |
| Lactic acid          | 80 + | 10 +          | 90 +  | 10 -      | 100 +     | 20 +          | 90 +          | O            | 50 O<br>90 - | +            | sat + |
| Nitric acid          | 30 + | 10 +<br>100 - | 50 +  | 10 +      | 20 +<br>+ | 10 +<br>100 - | 25/<br>50     | O            | 2 O<br>10 -  | -            | 50 +  |
| Phosphoric acid      | 85 + | 100 +         | sat + | +         | 100 +     | 10 +<br>95 -  | sat +         | O            | 2 O<br>10 -  | 50 +         | +     |
| Sulphuric acid       | 50 + | 50 +<br>100 - | 96 +  | 30 +      | 70 +      | 30 +          | 96 +          | O            | 3 -          | 10 +         | 96 +  |
| Alcohol              | O    | 96 +          | 96 +  | -         | 50 O      | 50 O          | 96 +          | +            | 96 O         | 96 +         | +     |
| Pure aniline         | O    | -             | 100 - | -         | O         | -             | 100 +         |              | 100 O        | 100 O        |       |
| Benzene              | +    | 100 -         | -     | +         | -         | O             | 100 O         |              | 100 +        | +            | -     |
| Liquid bromine       |      | 100 -         | -     | -         |           |               | 100 -         |              |              | 100 -        | -     |
| Liquid chlorine      |      | -             | 100 - | -         | sat +     | -             | 100 -         |              | 100 O        | -            | 50 +  |
| Sea water            | +    | 100 +         | 100 + | +         | 100 +     | 100 +         | -             | 100 +        |              | 100 +        | sat + |
| Petrol               | +    | 100 +         | 100 O | -         | 100 +     | 100 O         | -             | -            | 100 +        | +            | -     |
| Ether                | -    | 100 O         | 100 - | -         | 100 O     | +             |               |              | 100 +        | 100 +        | -     |
| Hexane               | O    | +             | O     | O         | -         |               | 100 +         |              | 100 +        | 100 +        | -     |
| Oil and greases      | +    | 100 +         | 100 + | O         | 100 +     | 100 O         | 100 +         | -            | +            | 100 +        | -     |
| Aromatic hydrocarbon | O    | -             | -     | -         | -         | +             | -             | -            | -            | +            | -     |
| Fuel oil             | O    | 100 O         | 100 + | -         | 100 +     | 100 -         | 100 +         |              | 100 +        | 100 +        | -     |
| Naphthalene          |      |               | 100 O | -         | 100 +     | 100 -         | 100 +         |              | 100 +        | 100 +        |       |
| Nitrobenzene         | -    | -             | 100 - | -         | -         | -             | 100 O         |              | -            | O            | -     |
| Phenol               | -    | -             | sat O | -         | 20 O      | -             | sat +         |              | -            | -            | 10 O  |
| Mineral salts        |      | +             | +     | +         | +         | +             | +             |              |              | +            | +     |
| Iodine solution      |      | O             | -     | +         |           | -             |               |              | +            |              |       |
| Toluene              | -    | -             | 100 - | -         | +         | O             | 100 O         | -            | 100 +        | 100 +        | -     |
| Trichloroethylene    | -    | -             | 100 - | -         | -         | -             | 100 O         | -            | 100 -        | 100 O        | -     |
| Urea                 |      | sat +         | sat + | +         |           |               | sat +         |              | 10 +         | sat +        | sat O |

For other chemical agents, please contact us.

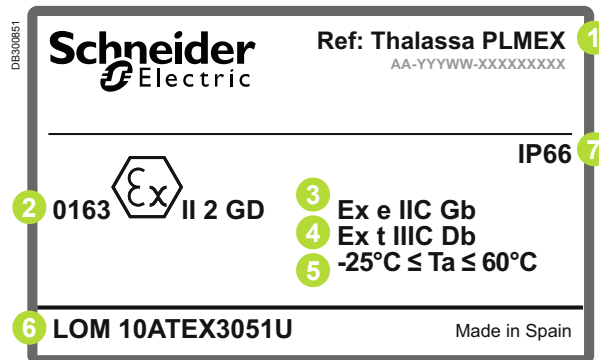
All this information is taken from the best sources and provided for information purposes only, with no commitment on our behalf.

# Description of the marking label affixed to ATEX certified wall-mounting enclosures

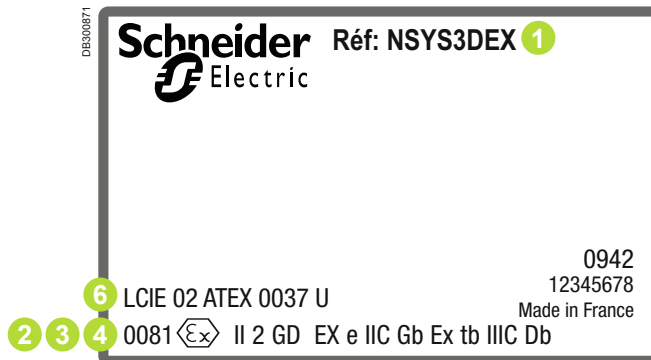
## Spacial S3XEX



## Thalassa PLMEX



## Spacial S3DEX



- 1 Product range
- 2 0163: No. of the body  
 Ex: ATEX symbol according to the directive  
 II: Surface industries  
 2: Product category  
 GD: Gas and dust
- 3 Ex: Product compliant with EN 60079-7 (gas)  
 e: Increased safety  
 II: Surface industries
- 4 Ex: Product compliant with EN 60079-31 (dust)  
 t: Protection by t enclosure
- 5 Ta: Ambient temperature
- 6 No. of the CE certificate
- 7 IP66: Degree of protection



Download our ATEX certificates from our site.

# How to select your enclosures & accessories?

| Environment                                                                        |                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| In what type of environment will you be installing your products?                  | <ul style="list-style-type: none"> <li>■ Indoor industrial environments, use steel.</li> <li>■ Indoor corrosive environments or with specific hygienic demands, use stainless-steel.</li> <li>■ Severe corrosive environments, indoor or outdoor, use polyester enclosures.</li> <li>■ Always think about the thermal issue. We have the right solution.</li> </ul> |
| Is a canopy required?                                                              | A canopy is mandatory when liquid can fall on an enclosure.<br>Our polyester enclosures (PLM and PLAT) are pre-equipped.                                                                                                                                                                                                                                            |
| Technical requirements                                                             |                                                                                                                                                                                                                                                                                                                                                                     |
| Are tightness and resistance to external mechanical impact needed in your case?    | Each enclosure specifies its: <ul style="list-style-type: none"> <li>■ Tightness: IP.</li> <li>■ Resistance to external mechanical impact: IK.</li> </ul>                                                                                                                                                                                                           |
| Have you any size-related installation constraints?                                | Check the dimensions of the enclosure:<br>Height (H) x Width (W) x Depth (D) in mm.                                                                                                                                                                                                                                                                                 |
| What colours are available?                                                        | RAL 7035 is our standard on steel enclosures.<br>Other colours are available on demand.                                                                                                                                                                                                                                                                             |
| How do you install your enclosures?                                                | Installation possible: <ul style="list-style-type: none"> <li>■ On a wall.</li> <li>■ On the floor.</li> <li>■ On a post.</li> </ul> Available accessories: <ul style="list-style-type: none"> <li>■ Fixing lugs.</li> <li>■ Plinths.</li> <li>■ Post fixing devices.</li> <li>■ Reinforcement for heavy load.</li> </ul>                                           |
| Door                                                                               |                                                                                                                                                                                                                                                                                                                                                                     |
| Need to see inside the enclosure?                                                  | Choice of: <ul style="list-style-type: none"> <li>■ Glazed doors.</li> <li>■ Acrylic windows.</li> <li>■ Control protection frames.</li> </ul>                                                                                                                                                                                                                      |
| What type of lock do you want?                                                     | The type of lock is to be specified: <ul style="list-style-type: none"> <li>■ Inserts.</li> <li>■ Keys.</li> <li>■ Padlocks.</li> </ul>                                                                                                                                                                                                                             |
| Do you need an earth connection?                                                   | Electrical continuity by earthing braids or leads available as accessories.                                                                                                                                                                                                                                                                                         |
| How will you mount your raceways to the door?<br>On the uprights?<br>On the rails? | They can be fixed thanks to: <ul style="list-style-type: none"> <li>■ Cable-duct supports.</li> <li>■ Door cross-rails.</li> <li>■ Cable ties.</li> </ul>                                                                                                                                                                                                           |
| Are doors opened for maintenance?                                                  | You may need: <ul style="list-style-type: none"> <li>■ Door stops.</li> <li>■ Door switches.</li> </ul>                                                                                                                                                                                                                                                             |
| Body or frame                                                                      |                                                                                                                                                                                                                                                                                                                                                                     |
| Where do the cables enter the enclosure from?                                      | A large variety of cable entries available.                                                                                                                                                                                                                                                                                                                         |
| What functions should this cable-entry provide?                                    | Our cable glands or membranes provide: <ul style="list-style-type: none"> <li>■ Tightness.</li> <li>■ Cable supports.</li> </ul>                                                                                                                                                                                                                                    |
| Mounting accessories                                                               |                                                                                                                                                                                                                                                                                                                                                                     |
| How will the equipment be installed inside your enclosure?                         | Several mounting plates according to your application: <ul style="list-style-type: none"> <li>■ Plain.</li> <li>■ Micro-perforated (Telequick System).</li> <li>■ Perforated (Telequick System).</li> <li>■ Modular.</li> <li>■ 19".</li> </ul>                                                                                                                     |
| Do you require cable accessories?                                                  | <ul style="list-style-type: none"> <li>■ Cable ducts.</li> <li>■ Cable cross rails.</li> <li>■ Cable supports...</li> </ul> ... are available, see our catalogue for more details.                                                                                                                                                                                  |
| Thermal                                                                            |                                                                                                                                                                                                                                                                                                                                                                     |
| Do you need to cool?<br>Heat?<br>Dry?                                              | <ul style="list-style-type: none"> <li>■ Ventilation louvers.</li> <li>■ Ventilation grilles.</li> <li>■ Forced ventilations.</li> <li>■ Resistance heaters.</li> <li>■ Thermostats.</li> <li>■ Calculations with ClimaSys software.</li> </ul> Refer to our <b>Thermal Control</b> section.                                                                        |
| Logistics and handling                                                             |                                                                                                                                                                                                                                                                                                                                                                     |
| How do you handle the enclosures?                                                  | Thanks to eyebolts and lifting brackets.                                                                                                                                                                                                                                                                                                                            |

# Spare parts Selection table

## Steel wall-mounting enclosures

FB500199-30



| S3D                         |             |                                         |                |
|-----------------------------|-------------|-----------------------------------------|----------------|
| Description                 | References  | Description                             | References     |
| <b>Doors</b>                |             |                                         |                |
| Plain door 300 x 200        | NSYDS3D32   | Glazed door 1000 x 800                  | NSYDS3D108T    |
| Plain door 300 x 250        | NSYDS3D325  | Glazed door 1000 x 1000                 | NSYDS3D1010T   |
| Plain door 300 x 300        | NSYDS3D33   | Glazed door 1200 x 600                  | NSYDS3D126T    |
| Plain door 300 x 400        | NSYDS3D34   | Glazed door 1200 x 800                  | NSYDS3D128T    |
| Plain door 400 x 300        | NSYDS3D43   | Glazed door 1200 x 1000                 | NSYDS3D1210T   |
| Plain door 400 x 400        | NSYDS3D44   | Glazed door 1000 x 500 right            | NSYDS3D105TR   |
| Plain door 400 x 600        | NSYDS3D46   | Glazed door 1000 x 500 left             | NSYDS3D105TL   |
| Plain door 500 x 300        | NSYDS3D53   | Glazed door 1200 x 500 right            | NSYDS3D125TR   |
| Plain door 500 x 400        | NSYDS3D54   | Glazed door 1200 x 500 left             | NSYDS3D125TL   |
| Plain door 500 x 500        | NSYDS3D55   | <b>Door accessories</b>                 |                |
| Plain door 600 x 400        | NSYDS3D64   | Gasket double door encl.                | NSYGDD         |
| Plain door 600 x 500        | NSYDS3D65   | Set of 5 taps and latches               | NSYS3DTL       |
| Plain door 600 x 600        | NSYDS3D66   | <b>Earthing accessories</b>             |                |
| Plain door 600 x 800        | NSYDS3D68   | Set of 500 earthing labels              | NSYSWMEL       |
| Plain door 700 x 500        | NSYDS3D75   | <b>Fixing hardware</b>                  |                |
| Plain door 800 x 600        | NSYDS3D86   | 100 screws cable gland plate            | NSYS3DCGSB     |
| Plain door 800 x 800        | NSYDS3D88   | Standard screw bag cable gland plate    | NSYS3DCGPSTDSB |
| Plain door 800 x 1000       | NSYDS3D810  | <b>Locking accessories</b>              |                |
| Plain door 800 x 500 right  | NSYDS3D85R  | Set of 10 linkage guides                | NSYS3DLG       |
| Plain door 800 x 500 left   | NSYDS3D85L  | Standard key DB3                        | NSYAEDLS3DKDB3 |
| Plain door 800 x 600 right  | NSYDS3D86R  | Lock + standard key DB3 neutral         | NSYAEDLS3DRLN  |
| Plain door 800 x 600 left   | NSYDS3D86L  | 3 point lock linkage H 600 mm           | NSYBTAS3D60    |
| Plain door 1000 x 600       | NSYDS3D106  | 3 point lock linkage H 700 mm           | NSYBTAS3D70    |
| Plain door 1000 x 800       | NSYDS3D108  | 3 point lock linkage H 800 mm           | NSYBTAS3D80    |
| Plain door 1000 x 1000      | NSYDS3D1010 | 3 point lock linkage H 1000 mm          | NSYBTAS3D100   |
| Plain door 1200 x 1000      | NSYDS3D1210 | 3 point lock linkage H 1200 mm          | NSYBTAS3D120   |
| Plain door 1000 x 500 right | NSYDS3D105R | 3 point lock linkage H 1400 mm          | NSYBTAS3D140   |
| Plain door 1000 x 500 left  | NSYDS3D105L | 2244E key handle                        | NSYAEDL2244S3D |
| Plain door 1000 x 600 right | NSYDS3D106R | 4322A key handle                        | NSYAEDL4322S3D |
| Plain door 1000 x 600 left  | NSYDS3D106L | 1332E key handle                        | NSYAEDL1332S3D |
| Plain door 1200 x 600       | NSYDS3D126  | 3132A key handle                        | NSYAEDL3132S3D |
| Plain door 1200 x 800       | NSYDS3D128  | 2132A key handle                        | NSYAEDL2132S3D |
| Plain door 1200 x 500 right | NSYDS3D125R | 2124E key handle                        | NSYAEDL2124S3D |
| Plain door 1200 x 500 left  | NSYDS3D125L | 2314E key handle                        | NSYAEDL2314S3D |
| Plain door 1200 x 600 right | NSYDS3D126R | 2241A key handle                        | NSYAEDL2241S3D |
| Plain door 1200 x 600 left  | NSYDS3D126L | 2322A key handle                        | NSYAEDL2322S3D |
| Plain door 1400 x 500 right | NSYDS3D145R | 3432E key handle                        | NSYAEDL3432S3D |
| Plain door 1400 x 500 left  | NSYDS3D145L | 520 key handle                          | NSYAEDL520S3D  |
| Glazed door 300 x 250       | NSYDS3D325T | 4324E key handle                        | NSYAEDL4324S3D |
| Glazed door 300 x 300       | NSYDS3D33T  | 3123E key handle                        | NSYAEDL3123S3D |
| Glazed door 300 x 400       | NSYDS3D34T  | 2131A key handle                        | NSYAEDL2131S3D |
| Glazed door 300 x 600       | NSYDS3D36T  | 610E key handle                         | NSYAEDL610S3D  |
| Glazed door 400 x 300       | NSYDS3D43T  | 1344E key handle                        | NSYAEDL1344S3D |
| Glazed door 400 x 400       | NSYDS3D44T  | 601 key handle                          | NSYAEDL601S3D  |
| Glazed door 400 x 600       | NSYDS3D46T  | 705E key handle                         | NSYAEDL705S3D  |
| Glazed door 500 x 300       | NSYDS3D53T  | 2432E key handle                        | NSYAEDL2432S3D |
| Glazed door 500 x 400       | NSYDS3D54T  | 2133A key handle                        | NSYAEDL2133S3D |
| Glazed door 500 x 500       | NSYDS3D55T  | 5124A key handle                        | NSYAEDL5124S3D |
| Glazed door 500 x 600       | NSYDS3D56T  | <b>Panels</b>                           |                |
| Glazed door 600 x 400       | NSYDS3D64T  | 50 caps for holes of hinges WM          | NSYSWMCH       |
| Glazed door 600 x 500       | NSYDS3D65T  | Set of 50 back plugs WM                 | NSYSWMBP       |
| Glazed door 600 x 600       | NSYDS3D66T  | <b>Fixing accessories</b>               |                |
| Glazed door 600 x 800       | NSYDS3D68T  | 5 kits of 4 covers for wall-fixing lugs | NSYCAEFPF      |
| Glazed door 700 x 500       | NSYDS3D75T  |                                         |                |
| Glazed door 700 x 600       | NSYDS3D76T  |                                         |                |
| Glazed door 800 x 600       | NSYDS3D86T  |                                         |                |
| Glazed door 800 x 800       | NSYDS3D88T  |                                         |                |
| Glazed door 1000 x 600      | NSYDS3D106T |                                         |                |



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# Spare parts Selection table

## Steel wall-mounting enclosures



PE500097-29

| S3DM                                 |                |                                |                |
|--------------------------------------|----------------|--------------------------------|----------------|
| Description                          | References     | Description                    | References     |
| <b>Doors</b>                         |                | <b>Locking accessories</b>     |                |
| Glazed door 400 x 300                | NSYDS3D43T     | Set of 10 linkage guides       | NSYS3DLG       |
| Glazed door 500 x 400                | NSYDS3D54T     | Standard key DB3               | NSYAEDLS3DKDB3 |
| Glazed door 600 x 400                | NSYDS3D64T     | 3 point lock linkage H 600 mm  | NSYBTAS3D60    |
| Glazed door 600 x 600                | NSYDS3D66T     | 3 point lock linkage H 700 mm  | NSYBTAS3D70    |
| Glazed door 700 x 500                | NSYDS3D75T     | 3 point lock linkage H 800 mm  | NSYBTAS3D80    |
| Glazed door 800 x 600                | NSYDS3D86T     | 3 point lock linkage H 1000 mm | NSYBTAS3D100   |
| Glazed door 1000 x 600               | NSYDS3D106T    | <b>Panels</b>                  |                |
| Glazed door 1000 x 800               | NSYDS3D108T    | 50 caps for holes of hinges WM | NSYSWMCH       |
| <b>Earthing accessories</b>          |                | Set of 50 back plugs WM        | NSYSWMBP       |
| Set of 500 earthing labels           | NSYSWMEL       |                                |                |
| <b>Fixing hardware</b>               |                |                                |                |
| 100 screws cable gland plate         | NSYS3DCGSB     |                                |                |
| Standard screw bag cable gland plate | NSYS3DCGPSTDSB |                                |                |

| S3DC                   |              |                                |              |
|------------------------|--------------|--------------------------------|--------------|
| Description            | References   | Description                    | References   |
| <b>Doors</b>           |              | <b>Earthing accessories</b>    |              |
| Plain door 300 x 200   | NSYDS3DC32   | Set of 500 earthing labels     | NSYSWMEL     |
| Plain door 300 x 300   | NSYDS3DC33   | <b>Locking accessories</b>     |              |
| Plain door 400 x 300   | NSYDS3DC43   | Set of 10 linkage guides       | NSYS3DLG     |
| Plain door 400 x 400   | NSYDS3DC44   | Standard lock enclosures       | NSYAEDLS3DC  |
| Plain door 500 x 400   | NSYDS3DC54   | 3 point lock linkage H 600 mm  | NSYBTAS3D60  |
| Plain door 500 x 500   | NSYDS3DC55   | 3 point lock linkage H 700 mm  | NSYBTAS3D70  |
| Plain door 600 x 400   | NSYDS3DC64   | 3 point lock linkage H 800 mm  | NSYBTAS3D80  |
| Plain door 600 x 600   | NSYDS3DC66   | 3 point lock linkage H 1000 mm | NSYBTAS3D100 |
| Plain door 700 x 500   | NSYDS3DC75   | 3 point lock linkage H 1200 mm | NSYBTAS3D120 |
| Plain door 800 x 600   | NSYDS3DC86   | <b>Panels</b>                  |              |
| Plain door 800 x 800   | NSYDS3DC88   | 50 caps for holes of hinges WM | NSYSWMCH     |
| Plain door 1000 x 600  | NSYDS3DC106  | Set of 50 back plugs WM        | NSYSWMBP     |
| Plain door 1000 x 800  | NSYDS3DC108  |                                |              |
| Plain door 1000 x 1000 | NSYDS3DC1010 |                                |              |
| Plain door 1200 x 800  | NSYDS3DC128  |                                |              |
| Plain door 1200 x 1000 | NSYDS3DC1210 |                                |              |

| S3DCD                  |               |                                |              |
|------------------------|---------------|--------------------------------|--------------|
| Description            | References    | Description                    | References   |
| <b>Doors</b>           |               | <b>Locking accessories</b>     |              |
| Plain door 500 x 500   | NSYDS3DCD55   | Standard lock enclosures       | NSYAEDLS3DC  |
| Plain door 600 x 600   | NSYDS3DCD66   | 3 point lock linkage H 700 mm  | NSYBTAS3D70  |
| Plain door 700 x 500   | NSYDS3DCD75   | 3 point lock linkage H 800 mm  | NSYBTAS3D80  |
| Plain door 800 x 600   | NSYDS3DCD86   | 3 point lock linkage H 1000 mm | NSYBTAS3D100 |
| Plain door 1000 x 600  | NSYDS3DCD106  | 3 point lock linkage H 1200 mm | NSYBTAS3D120 |
| Plain door 1000 x 800  | NSYDS3DCD108  | <b>Panels</b>                  |              |
| Plain door 1000 x 1000 | NSYDS3DCD1010 | 50 caps for holes of hinges WM | NSYSWMCH     |
| Plain door 1200 x 1000 | NSYDS3DCD1210 | Set of 50 back plugs WM        | NSYSWMBP     |

| S3DB                 |              |                                |                |
|----------------------|--------------|--------------------------------|----------------|
| Description          | References   | Description                    | References     |
| <b>Doors</b>         |              | <b>Earthing accessories</b>    |                |
| Plain door 250 x 300 | NSYDS3DB2530 | Set of 500 earthing labels     | NSYSWMEL       |
| Plain door 250 x 400 | NSYDS3DB2540 | <b>Locking accessories</b>     |                |
| Plain door 250 x 500 | NSYDS3DB2550 | Standard key DB3               | NSYAEDLS3DKDB3 |
| Plain door 300 x 300 | NSYDS3DB33   | <b>Panels</b>                  |                |
| Plain door 300 x 400 | NSYDS3DB34   | 50 caps for holes of hinges WM | NSYSWMCH       |
| Plain door 300 x 500 | NSYDS3DB35   | Set of 50 back plugs WM        | NSYSWMBP       |
| Plain door 300 x 600 | NSYDS3DB36   |                                |                |
| Plain door 400 x 300 | NSYDS3DB43   |                                |                |
| Plain door 400 x 800 | NSYDS3DB48   |                                |                |
| Plain door 500 x 400 | NSYDS3DB54   |                                |                |
| Plain door 600 x 400 | NSYDS3DB64   |                                |                |

# Spare parts

## Selection table

### Steel wall-mounting enclosures

PE50038B-31



| CRN                        |              |                             |            |
|----------------------------|--------------|-----------------------------|------------|
| Description                | References   | Description                 | References |
| <b>Doors</b>               |              |                             |            |
| Glazed door H 300 x W 250  | NSYDCRN3025T | Plain door H 400 x W 300    | NSYDCRN43  |
| Glazed door H 300 x W 300  | NSYDCRN33T   | Plain door H 400 x W 400    | NSYDCRN44  |
| Glazed door H 300 x W 400  | NSYDCRN34T   | Plain door H 400 x W 600    | NSYDCRN46  |
| Glazed door H 400 x W 300  | NSYDCRN43T   | Plain door H 500 x W 400    | NSYDCRN54  |
| Glazed door H 400 x W 400  | NSYDCRN44T   | Plain door H 500 x W 500    | NSYDCRN55  |
| Glazed door H 400 x W 600  | NSYDCRN46T   | Plain door H 600 x W 400    | NSYDCRN64  |
| Glazed door H 500 x W 400  | NSYDCRN54T   | Plain door H 600 x W 500    | NSYDCRN65  |
| Glazed door H 500 x W 500  | NSYDCRN55T   | Plain door H 600 x W 600    | NSYDCRN66  |
| Glazed door H 600 x W 400  | NSYDCRN64T   | Plain door H 600 x W 800    | NSYDCRN68  |
| Glazed door H 600 x W 500  | NSYDCRN65T   | Plain door H 700 x W 500    | NSYDCRN75  |
| Glazed door H 600 x W 600  | NSYDCRN66T   | Plain door H 800 x W 600    | NSYDCRN86  |
| Glazed door H 600 x W 800  | NSYDCRN68T   | Plain door H 800 x W 800    | NSYDCRN88  |
| Glazed door H 700 x W 500  | NSYDCRN75T   | Plain door H 1000 x W 600   | NSYDCRN106 |
| Glazed door H 800 x W 600  | NSYDCRN86T   | Plain door H 1000 x W 800   | NSYDCRN108 |
| Glazed door H 800 x W 800  | NSYDCRN88T   | <b>Door accessories</b>     |            |
| Glazed door H 1000 x W 600 | NSYDCRN106T  | Standard Spacial hinge      | NSYBICRN   |
| Glazed door H 1000 x W 800 | NSYDCRN108T  | <b>Earthing accessories</b> |            |
| Plain door H 200 x W 200   | NSYDCRN22    | Set of 500 earthing labels  | NSYSWMEL   |
| Plain door H 200 x W 300   | NSYDCRN23    | <b>Locking accessories</b>  |            |
| Plain door H 250 x W 200   | NSYDCRN2520  | TCRE1 Lock                  | NSYTCRE1   |
| Plain door H 300 x W 250   | NSYDCRN3025  | TCRE12 Lock                 | NSYTCRE12  |
| Plain door H 300 x W 300   | NSYDCRN33    | <b>Panels</b>               |            |
| Plain door H 300 x W 400   | NSYDCRN34    | Set of 50 back plugs WM     | NSYSWMBP   |
| Plain door H 300 x W 450   | NSYDCRN3045  |                             |            |

PE50037B-30



| CRNG                                 |                |                                |            |
|--------------------------------------|----------------|--------------------------------|------------|
| Description                          | References     | Description                    | References |
| <b>Earthing accessories</b>          |                |                                |            |
| Set of 500 earthing labels           | NSYSWMEL       | <b>Panels</b>                  |            |
| <b>Fixing hardware</b>               |                |                                |            |
| 100 screws cable gland plate         | NSYS3DCGSB     | 50 caps for holes of hinges WM | NSYSWMCH   |
| Standard screw bag cable gland plate | NSYS3DCGPSTDSB | Set of 50 back plugs WM        | NSYSWMBP   |

# Spare parts Selection table

## Steel floor-standing enclosures

PE602419-27



| SF                                                                                                  |            |                                             |              |
|-----------------------------------------------------------------------------------------------------|------------|---------------------------------------------|--------------|
| Description                                                                                         | References | Description                                 | References   |
| <b>Doors</b>                                                                                        |            | <b>Installation accessories</b>             |              |
| Spacial SFP plain door<br>H 2000 x W 700 mm                                                         | NSYSFD207  | Set of 2 quick cross-rails 120 x 400 mm     | NSYSQCR12040 |
| Spacial SFP transparent door<br>H 2000 x W 700 mm                                                   | NSYSFD207T | Set of 2 quick cross-rails 120 x 500 mm     | NSYSQCR12050 |
| <b>Door accessories</b>                                                                             |            | Set of 2 quick cross-rails 120 x 600 mm     | NSYSQCR12060 |
| Set of 4 Hinges & fixing elements                                                                   | NSYDHSF    | Set of 2 quick cross-rails 120 x 800 mm     | NSYSQCR12080 |
| <b>Fixing hardware</b>                                                                              |            | <b>Panels</b>                               |              |
| Captive screws for panels external fixing                                                           | NSYCSSF    | Spacial SFP back panel<br>H 2000 x W 700 mm | NSYBP207     |
| <b>Locking accessories</b>                                                                          |            | Standard roof W 1000 x D 400 mm             | NSYRSF104    |
| Locking system for enclosures 1 single door version 1200H (right side door for double door version) | NSYLCK12SF | Standard roof W 1000 x D 500 mm             | NSYRSF105    |
| Locking system for enclosures 1 single door version 1400H                                           | NSYLCK14SF | Standard roof W 1000 x D 600 mm             | NSYRSF106    |
| Locking system for enclosures 1 single door version 1600H (right side door for double door version) | NSYLCK16SF | Standard roof W 1000 x D 800 mm             | NSYRSF108    |
| Locking system for enclosures 1 single door version 1800H (right side door for double door version) | NSYLCK18SF | Standard roof W 1200 x D 400 mm             | NSYRSF124    |
| Locking system for enclosures 1 single door version 2000H (right side door for double door version) | NSYLCK20SF | Standard roof W 1200 x D 500 mm             | NSYRSF125    |
| Locking system for enclosures 1 single door version 2200H (right side door for double door version) | NSYLCK22SF | Standard roof W 1200 x D 600 mm             | NSYRSF126    |
| Door locking system toothed washer                                                                  | NSYLCKWSF  | Standard roof W 1200 x D 800 mm             | NSYRSF128    |
| Handle neutral trim                                                                                 | NSYFHNTRIM | Standard roof W 1600 x D 400 mm             | NSYRSF164    |
| <b>Plinth accessories</b>                                                                           |            | Standard roof W 1600 x D 500 mm             | NSYRSF165    |
| H 100 mm Plastic covers for plinth corners                                                          | NSYPC100   | Standard roof W 1600 x D 600 mm             | NSYRSF166    |
| H 200 mm Plastic covers for plinth corners                                                          | NSYPC200   | Standard roof W 300 x D 500 mm              | NSYRSF35     |
|                                                                                                     |            | Standard roof W 300 x D 600 mm              | NSYRSF36     |
|                                                                                                     |            | Standard roof W 300 x D 800 mm              | NSYRSF38     |
|                                                                                                     |            | Standard roof W 400 x D 400 mm              | NSYRSF44     |
|                                                                                                     |            | Standard roof W 400 x D 500 mm              | NSYRSF45     |
|                                                                                                     |            | Standard roof W 600 x D 400 mm              | NSYRSF64     |
|                                                                                                     |            | Standard roof W 600 x D 500 mm              | NSYRSF65     |
|                                                                                                     |            | Standard roof W 600 x D 600 mm              | NSYRSF66     |
|                                                                                                     |            | Standard roof W 800 x D 400 mm              | NSYRSF84     |
|                                                                                                     |            | Standard roof W 800 x D 500 mm              | NSYRSF85     |
|                                                                                                     |            | Standard roof W 800 x D 600 mm              | NSYRSF86     |
|                                                                                                     |            | Standard roof W 800 x D 800 mm              | NSYRSF88     |
|                                                                                                     |            | <b>Framework</b>                            |              |
|                                                                                                     |            | 8 gaskets framework uprights Spacial SF     | NSYSFVG      |

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| SM                                   |              |                                                                                                     |            |
|--------------------------------------|--------------|-----------------------------------------------------------------------------------------------------|------------|
| Description                          | References   | Description                                                                                         | References |
| <b>Cable gland plates</b>            |              | <b>Locking accessories</b>                                                                          |            |
| 1 entry W 1000 x D 400 mm            | NSYSMEC1041  | Locking system for enclosures 1 single door version 1200H (right side door for double door version) | NSYLCK12SF |
| 1 entry W 1000 x D 300 mm            | NSYSMEC1031  | Locking system for enclosures 1 single door version 1600H (right side door for double door version) | NSYLCK16SF |
| 1 entry W 1000 x D 500 mm            | NSYSMEC1051  | Locking system for enclosures 1 single door version 1800H (right side door for double door version) | NSYLCK18SF |
| 1 entry W 600 x D 300 mm             | NSYSMEC631   | Locking system for enclosures 1 single door version 2000H (right side door for double door version) | NSYLCK20SF |
| 1 entry W 600 x D 400 mm             | NSYSMEC641   | Locking system for enclosures 1 single door version 2200H (right side door for double door version) | NSYLCK22SF |
| 1 entry W 600 x D 500 mm             | NSYSMEC651   | Locking system for double door enclosures. Secondary door                                           | NSYLCKSF   |
| 1 entry W 600 x D 600 mm             | NSYSMEC661   | Locking system for enclosures 1 single door version 1400H                                           | NSYLCK14SF |
| 1 entry W 800 x D 300 mm             | NSYSMEC831   | Door locking system toothed washer                                                                  | NSYLCKWSF  |
| 1 entry W 800 x D 400 mm             | NSYSMEC841   | Handle neutral trim                                                                                 | NSYFHNTRIM |
| 1 entry W 800 x D 500 mm             | NSYSMEC851   | <b>Plinth accessories</b>                                                                           |            |
| 1 entry W 800 x D 600 mm             | NSYSMEC861   | H 100 mm Plastic covers for plinth corners                                                          | NSYPC100   |
| <b>Doors</b>                         |              | H 200 mm Plastic covers for plinth corners                                                          | NSYPC200   |
| Double plain door H 1200 x W 1000 mm | NSYSMD12102D |                                                                                                     |            |
| Double plain door H 1200 x W 1200 mm | NSYSMD12122D |                                                                                                     |            |
| Double plain door H 1400 x W 1000 mm | NSYSMD14102D |                                                                                                     |            |
| Double plain door H 1400 x W 1200 mm | NSYSMD14122D |                                                                                                     |            |
| Double plain door H 1600 x W 1000 mm | NSYSMD16102D |                                                                                                     |            |
| Double plain door H 1600 x W 1200 mm | NSYSMD16122D |                                                                                                     |            |
| Double plain door H 1800 x W 1600 mm | NSYSMD18162D |                                                                                                     |            |
| <b>Door accessories</b>              |              |                                                                                                     |            |
| Set of 4 hinges & fixing elements    | NSYDHSF      |                                                                                                     |            |
| Spacial SM hinges & 2D door stop     | NSYDHSM2D    |                                                                                                     |            |

# Spare parts

## Selection table

### Steel floor-standing enclosures

| OLN and S6000                                             |                   |                           |                    |
|-----------------------------------------------------------|-------------------|---------------------------|--------------------|
| Description                                               | References        | Description               | References         |
| <b>Doors</b>                                              |                   | <b>Panels</b>             |                    |
| Plain door H 1800 x W 600 mm                              | <b>OLPU186</b>    | Roof trim neutral 600 mm  | <b>NSYTRIM6S6</b>  |
| Plain door H 1800 x W 800 mm                              | <b>OLPU188</b>    | Roof trim neutral 800 mm  | <b>NSYTRIM8S6</b>  |
| Plain door H 2000 x W 600 mm                              | <b>OLPU206</b>    | Roof trim neutral 1000 mm | <b>NSYTRIM10S6</b> |
| Plain door H 2000 x W 800 mm                              | <b>OLPU208</b>    | Side panel H 1800 x W 500 | <b>2PLOL185</b>    |
| Plain door H 2000 x W 1000 mm                             | <b>OLPU2010</b>   | Side panel H 1800 x W 600 | <b>2PLOL186</b>    |
| Transparent door H 1800 x W 800 mm                        | <b>OLPU188KT</b>  | Side panel H 2000 x W 500 | <b>2PLOL205</b>    |
| Transparent door H 2000 x W 800 mm                        | <b>OLPU208KT</b>  | Side panel H 2000 x W 600 | <b>2PLOL206</b>    |
| <b>Door accessories</b>                                   |                   | Side panel H 2000 x W 800 | <b>2PLOL208</b>    |
| Standard door hinges and pins, 4 units                    | <b>NSYDHS6</b>    |                           |                    |
| Standard gasket for gland plate, 2000 mm                  | <b>NSYGKTS6</b>   |                           |                    |
| <b>Locking accessories</b>                                |                   |                           |                    |
| Standard handle in RAL 7011                               | <b>NSYSDH</b>     |                           |                    |
| Flat escutcheon DB 5 mm insert                            | <b>NSYEMPOLN</b>  |                           |                    |
| Locking system for enclosures 1 single door version 1200H | <b>NSYLCK12S6</b> |                           |                    |
| Locking system for enclosures 1 single door version 1600H | <b>NSYLCK16S6</b> |                           |                    |
| Locking system for enclosures 1 single door version 1800H | <b>NSYLCK18S6</b> |                           |                    |
| Locking system for enclosures 1 single door version 2000H | <b>NSYLCK20S6</b> |                           |                    |
| Locking system for enclosures 1 single door version 2200H | <b>NSYLCK22S6</b> |                           |                    |

| CMO and S18500                           |                     |                                                           |                    |
|------------------------------------------|---------------------|-----------------------------------------------------------|--------------------|
| Description                              | References          | Description                                               | References         |
| <b>Doors</b>                             |                     | <b>Locking accessories</b>                                |                    |
| Roof trim neutral 1000 mm                | <b>NSYTRIM10S18</b> | Standard handle in RAL 7011                               | <b>NSYSDH</b>      |
| Plain door H 1800 x W 600 mm             | <b>OLPU186</b>      | Flat escutcheon DB 5 mm insert                            | <b>NSYEMPOLN</b>   |
| Plain door H 1800 x W 800 mm             | <b>OLPU188</b>      | Locking system for enclosures 1 single door version 1200H | <b>NSYLCK12S6</b>  |
| Plain door H 2000 x W 600 mm             | <b>OLPU206</b>      | Locking system for enclosures 1 single door version 1600H | <b>NSYLCK16S6</b>  |
| Plain door H 2000 x W 800 mm             | <b>OLPU208</b>      | Locking system for enclosures 1 single door version 1800H | <b>NSYLCK18S6</b>  |
| Plain door H 2000 x W 1000 mm            | <b>OLPU2010</b>     | Locking system for enclosures 1 single door version 2000H | <b>NSYLCK20S6</b>  |
| Transparent door H 1800 x W 800 mm       | <b>OLPU188KT</b>    | Locking system for enclosures 1 single door version 2200H | <b>NSYLCK22S6</b>  |
| Transparent door H 2000 x W 800 mm       | <b>OLPU208KT</b>    |                                                           |                    |
| <b>Door accessories</b>                  |                     | <b>Panels</b>                                             |                    |
| Standard door hinges and pins, 4 units   | <b>NSYDHS18</b>     | Roof trim neutral 600 mm                                  | <b>NSYTRIM6S18</b> |
| Standard gasket for gland plate, 2000 mm | <b>NSYGKTS6</b>     | Roof trim neutral 800 mm                                  | <b>NSYTRIM8S18</b> |

# Spare parts Selection table

## Stainless steel enclosures

PE500075-40



### S3X (wall-mounting)

| Description                    | References    | Description                     | References  |
|--------------------------------|---------------|---------------------------------|-------------|
| <b>Doors</b>                   |               |                                 |             |
| Left door 304L 1000 x 1000 mm  | NSYDS3X1010L  | Plain door 316L 400 x 600 mm    | NSYDS3X46H  |
| Left door 316L 1000 x 1000 mm  | NSYDS3X1010LH | Plain door 304L 500 x 400 mm    | NSYDS3X54   |
| Right door 304L 1000 x 1000 mm | NSYDS3X1010R  | Plain door 316L 500 x 400 mm    | NSYDS3X54H  |
| Right door 316L 1000 x 1000 mm | NSYDS3X1010RH | Plain door 304L 600 x 400 mm    | NSYDS3X64   |
| Plain door 304L 1000 x 800 mm  | NSYDS3X108    | Plain door 316L 600 x 400 mm    | NSYDS3X64H  |
| Plain door 316L 1000 x 800 mm  | NSYDS3X108H   | Plain door 304L 600 x 600 mm    | NSYDS3X66   |
| Left door 304L 1200 x 1000 mm  | NSYDS3X1210L  | Plain door 316L 600 x 600 mm    | NSYDS3X66H  |
| Left door 316L 1200 x 1000 mm  | NSYDS3X1210LH | Plain door 304L 700 x 500 mm    | NSYDS3X75   |
| Right door 304L 1200 x 1000 mm | NSYDS3X1210R  | Plain door 316L 700 x 500 mm    | NSYDS3X75H  |
| Right door 316L 1200 x 1000 mm | NSYDS3X1210RH | Plain door 304L 800 x 600 mm    | NSYDS3X86   |
| Plain door 304L 1200 x 800 mm  | NSYDS3X128    | Plain door 316L 800 x 600 mm    | NSYDS3X86H  |
| Plain door 316L 1200 x 800 mm  | NSYDS3X128H   | Plain door 304L 800 x 800 mm    | NSYDS3X88   |
| Plain door 304L 300 x 200 mm   | NSYDS3X32     | Plain door 316L 800 x 800 mm    | NSYDS3X88H  |
| Plain door 304L 300 x 250 mm   | NSYDS3X325    | Transp. door 304L 1000 x 800 mm | NSYDS3X108T |
| Plain door 316L 300 x 250 mm   | NSYDS3X325H   | Transp. door 304L 400 x 300 mm  | NSYDS3X43T  |
| Plain door 316L 300 x 200 mm   | NSYDS3X32H    | Transp. door 304L 500 x 400 mm  | NSYDS3X54T  |
| Plain door 304L 300 x 300 mm   | NSYDS3X33     | Transp. door 304L 600 x 400 mm  | NSYDS3X64T  |
| Plain door 316L 300 x 300 mm   | NSYDS3X33H    | Transp. door 304L 700 x 500 mm  | NSYDS3X75T  |
| Plain door 304L 400 x 300 mm   | NSYDS3X43     | Transp. door 304L 800 x 600 mm  | NSYDS3X86T  |
| Plain door 316L 400 x 300 mm   | NSYDS3X43H    | <b>Door accessories</b>         |             |
| Plain door 304L 400 x 400 mm   | NSYDS3X44     | Set of 2 hinges                 | NSYHS3X     |
| Plain door 316L 400 x 400 mm   | NSYDS3X44H    | <b>Locking accessories</b>      |             |
| Plain door 304L 400 x 600 mm   | NSYDS3X46     | Locking system 1000 mm          | NSYLSS3X10  |
|                                |               | Locking system 1200 mm          | NSYLSS3X12  |

PE500138-45



### SMX (floor-standing)

| Description                         | References    | Description                    | References    |
|-------------------------------------|---------------|--------------------------------|---------------|
| <b>Cable gland plates</b>           |               |                                |               |
| Cable gland plate SMX64/SFX65       | NSYCEX2       | Door 304L 1800 x 800 mm        | NSYDSFX188    |
| Cable gland p. SDX85/SMX85/SFX86    | NSYCEX7       | Door 316L 1800 x 800 mm        | NSYDSFX188H   |
| Cable gland plate SMX103            | NSYCEX10      | Left door 304L 1800 x 1600 mm  | NSYDSFX1816L  |
| Cable gland plate SMX104            | NSYCEX11      | Left door 316L 1800 x 1600 mm  | NSYDSFX1816LH |
| Cable gland plate SMX104 316L       | NSYCEX12      | Right door 304L 1800 x 1600 mm | NSYDSFX1816R  |
| Cable gland plate SMX124            | NSYCEX14      | Right door 316L 1800 x 1600 mm | NSYDSFX1816RH |
| Cable gland plate SMX124 316L       | NSYCEX15      | Left door 2000 x 1000 mm       | NSYDSFX2010L  |
| Cable gland plate SMX125 316L       | NSYCEX17      | Left door 316L 2000 x 1000 mm  | NSYDSFX2010LH |
| Cable gland plate SMX84/SMX164      | NSYCEX5       | Right door 2000 x 1000 mm      | NSYDSFX2010R  |
| Cable gland plate SMX166            | NSYCEX8       | Right door 316L 2000 x 1000 mm | NSYDSFX2010RH |
| Cable gland plate SMX166 316L       | NSYCEX9       | Door 1800 x 800 mm             | NSYDSFX206    |
| Cable gland plate SMX84/SMX164 316L | NSYCEX6       | Left door 2000 x 1200 mm       | NSYDSFX2012L  |
| Cable gland plate SDX125/SMX125     | NSYCEX16      | Left door 316L 2000 x 1200 mm  | NSYDSFX2012LH |
| <b>Doors</b>                        |               |                                |               |
| Left door 304L 1400 x 1000 mm       | NSYDSFX1410L  | Right door 2000 x 1200 mm      | NSYDSFX2012R  |
| Right door 304L 1400 x 1000 mm      | NSYDSFX1410R  | Right door 316L 2000 x 1200 mm | NSYDSFX2012RH |
| Door 304L 1600 x 800 mm             | NSYDSFX168    | Door 2000 x 800 mm             | NSYDSFX208    |
| Door 304L 1800 x 600 mm             | NSYDSFX186    | Left door 2000 x 1600 mm       | NSYDSFX2016L  |
| Left door 1800 x 1200 mm            | NSYDSFX1812L  | Left door 316L 2000 x 1600 mm  | NSYDSFX2016LH |
| Left door 316L 1800 x 1200 mm       | NSYDSFX1812LH | Right door 2000 x 1600 mm SMX  | NSYDSFX2016R  |
| Right door 1800 x 1200 mm           | NSYDSFX1812R  | Right door 316L 2000 x 1600 mm | NSYDSFX2016RH |
| Right door 316L 1800 x 1200 mm      | NSYDSFX1812RH | <b>Door accessories</b>        |               |
|                                     |               | Set of 3 hinges stainless 316L | NSYHSMXH      |

# Spare parts

## Selection table

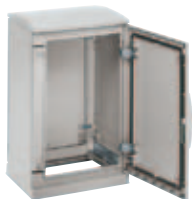
### Stainless steel enclosures



PS601254-36

| SFX (floor-standing)             |                     |                            |                     |
|----------------------------------|---------------------|----------------------------|---------------------|
| Description                      | References          | Description                | References          |
| <b>Cable gland plates</b>        |                     | Right door 2000 x 1000 mm  | <b>NSYDSFX2010R</b> |
| Cable gland plate SFX64          | <b>NSYCEX1</b>      | Door 1800 x 800 mm         | <b>NSYDSFX206</b>   |
| Cable gland plate SMX64/SFX65    | <b>NSYCEX2</b>      | Left door 2000 x 1200 mm   | <b>NSYDSFX2012L</b> |
| Cable gland p. SDX85/SMX85/SFX86 | <b>NSYCEX7</b>      | Right door 2000 x 1200 mm  | <b>NSYDSFX2012R</b> |
| Cable gland plate SFX84          | <b>NSYCEX4</b>      | Door 2000 x 800 mm         | <b>NSYDSFX208</b>   |
| Cable gland plate SDX105/SFX106  | <b>NSYCEX13</b>     | Left door 2000 x 1600 mm   | <b>NSYDSFX2016L</b> |
| Cable gland plate SDX65/SFX126   | <b>NSYCEX3</b>      | Right door 2000 x 1600 mm  | <b>NSYDSFX2016R</b> |
| Cable gland plate 800x400 mm SFX | <b>NSYCEX84A</b>    | <b>Door accessories</b>    |                     |
| <b>Doors</b>                     |                     | Set of 3 hinges            | <b>NSYHSMX</b>      |
| Door 304L 1800 x 600 mm          | <b>NSYDSFX186</b>   | <b>Locking accessories</b> |                     |
| Left door 1800 x 1200 mm         | <b>NSYDSFX1812L</b> | Locking system 1400 mm     | <b>NSYLSFX14</b>    |
| Right door 1800 x 1200 mm        | <b>NSYDSFX1812R</b> | Locking system 1600 mm     | <b>NSYLSFX16</b>    |
| Door 304L 1800 x 800 mm          | <b>NSYDSFX188</b>   | Locking system 1800 mm     | <b>NSYLSFX18</b>    |
| Left door 2000 x 1000 mm         | <b>NSYDSFX2010L</b> | Locking system 2000 mm     | <b>NSYLSFX20</b>    |

### Insulating materials



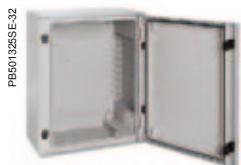
PS601347SE-29

| PLA (floor-standing)        |                    |                                          |                     |
|-----------------------------|--------------------|------------------------------------------|---------------------|
| Description                 | References         | Description                              | References          |
| <b>Doors</b>                |                    | <b>Fixing hardware</b>                   |                     |
| Door 500 x 500              | <b>NSYDPLA55</b>   | Acc. bag for 1 door h 500-1000           | <b>NSYASPLA001</b>  |
| Door 500 x 750              | <b>NSYDPLA57</b>   | Acc. bag for 2 door h 1250-1500          | <b>NSYASPLA002</b>  |
| Door 750 x 500              | <b>NSYDPLA75</b>   | Acc. bag for 2 door                      | <b>NSYASPLA003</b>  |
| Door 750 x 750              | <b>NSYDPLA77</b>   | <b>Locking accessories</b>               |                     |
| Door 1000 x 500             | <b>NSYDPLA105</b>  | Locking and rods h 500                   | <b>NSYVPLA5</b>     |
| Door 1000 x 750             | <b>NSYDPLA107</b>  | Locking and rods h 750                   | <b>NSYVPLA7</b>     |
| Door 1250 x 500             | <b>NSYDPLA125</b>  | Locking and rods h 1000                  | <b>NSYVPLA10</b>    |
| Door 1250 x 750             | <b>NSYDPLA127</b>  | Locking and rods h 1250                  | <b>NSYVPLA12</b>    |
| Door 1500 x 500             | <b>NSYDPLA155</b>  | Locking and rods h 1500                  | <b>NSYVPLA15</b>    |
| Door 1500 x 750             | <b>NSYDPLA157</b>  | Handle locking and rods h 500            | <b>NSYVPLA5M</b>    |
| Door 500 x 500 with handle  | <b>NSYDPLA55H</b>  | Handle locking and rods h 750            | <b>NSYVPLA7M</b>    |
| Door 500 x 750 with handle  | <b>NSYDPLA57H</b>  | Handle locking and rods h 1000           | <b>NSYVPLA10M</b>   |
| Door 750 x 500 with handle  | <b>NSYDPLA75H</b>  | Handle locking and rods h 1250           | <b>NSYVPLA12M</b>   |
| Door 750 x 750 with handle  | <b>NSYDPLA77H</b>  | Handle locking and rods h 1500           | <b>NSYVPLA15M</b>   |
| Door 1000 x 500 with handle | <b>NSYDPLA105H</b> | <b>Door accessories</b>                  |                     |
| Door 1000 x 750 with handle | <b>NSYDPLA107H</b> | Hinge PLA (120° opening)                 | <b>NSYAEDPLA004</b> |
| Door 1250 x 500 with handle | <b>NSYDPLA125H</b> | Axes of door PLAZT (180° opening)        | <b>NSYAEDPLA005</b> |
| Door 1250 x 750 with handle | <b>NSYDPLA127H</b> | Rod guide inside the door PLA (set of 2) | <b>NSYAEDPLA001</b> |
| Door 1500 x 500 with handle | <b>NSYDPLA155H</b> | Rod guide on 1 door PLA (set of 2)       | <b>NSYAEDPLA002</b> |
| Door 1500 x 750 with handle | <b>NSYDPLA157H</b> | Rod guide on 2 doors PLA (set of 2)      | <b>NSYAEDPLA003</b> |

\* RAL 7035 from 2016.

# Spare parts Selection table

## Insulating materials



PS501325SE-32

| PLM (wall-mounting)                      |              |                                         |                |
|------------------------------------------|--------------|-----------------------------------------|----------------|
| Description                              | References   | Description                             | References     |
| <b>Doors</b>                             |              |                                         |                |
| Door without locking for PLM32           | NSYDPLM32    | Glazed door without locking for PLM86T  | NSYDPLM86T     |
| Door without locking for PLM3025         | NSYDPLM3025  | Glazed door without locking for PLM108T | NSYDPLM108T    |
| Transp. door without locking for PLM32T  | NSYDPLM32T   | <b>Door accessories</b>                 |                |
| Glazed door without locking for PLM3025T | NSYDPLM3025T | Door hinge for NSYPLM32                 | NSYAEDHPLM32   |
| Door without locking for PLM43           | NSYDPLM43    | Door hinge for NSYPLM3025               | NSYAEDHPLM3025 |
| Door without locking for PLM54           | NSYDPLM54    | Door hinge for NSYPLM43 to 86           | NSYAEDHPLM     |
| Door without locking for PLM64           | NSYDPLM64    | Door hinge for NSYPLM108                | NSYAEDHPLM108  |
| Door without locking for PLM75           | NSYDPLM75    | <b>Fixing hardware</b>                  |                |
| Door without locking for PLM86           | NSYDPLM86    | Acc. bag NSYPLM32                       | NSYASPLM32     |
| Door without locking for PLM108          | NSYDPLM108   | Acc. bag NSYPLM43 to 86                 | NSYASPLM       |
| Glazed door without locking for PLM43T   | NSYDPLM43T   | <b>Locking accessories</b>              |                |
| Glazed door without locking for PLM54T   | NSYDPLM54T   | Locking and rods for NSYPLM108          | NSYVPLM108     |
| Glazed door without locking for PLM64T   | NSYDPLM64T   |                                         |                |
| Glazed door without locking for PLM75T   | NSYDPLM75T   |                                         |                |

\* RAL 7035 from 2016.

## Applicative and customised solutions: HMI



PS501202-36

| SD                                 |              |                                    |               |
|------------------------------------|--------------|------------------------------------|---------------|
| Description                        | References   | Description                        | References    |
| <b>Cable gland plates</b>          |              |                                    |               |
| 1 entry W 600 mm                   | NSYCESD6R    | Cover W 600 mm for modular console | NSYMCCSD6     |
| 1 entry W 800 mm                   | NSYCESD8R    | Frontal door W 600 mm              | NSYDSD6       |
| 1 entry W 1000 mm                  | NSYCESD10R   | Frontal door W 800 mm              | NSYDSD8       |
| 1 entry W 1200 mm                  | NSYCESD12R   | Frontal right door W 1000 mm       | NSYDSD10R     |
| 1 entry W 600 x D 800 mm           | NSYFCESD68   | Frontal left door W 1000 mm        | NSYDSD10L     |
| 1 entry W 800 x D 800 mm           | NSYFCESD88   | Frontal right door W 1200 mm       | NSYDSD12R     |
| 1 entry W 1000 x D 800 mm          | NSYFCESD108  | Frontal left door W 1200 mm        | NSYDSD12L     |
| 1 entry W 1200 x D 800 mm          | NSYFCESD128  | Frontal door w/console W 800 mm    | NSYDSD8F      |
| 1 entry W 1600 x D 800 mm          | NSYFCESD168  | Front. R door w/console W 1000 mm  | NSYDSD10RF    |
| 1 entry W 800 x D 1000 mm          | NSYFCESD810  | Front. L door w/console W 1000 mm  | NSYDSD10LF    |
| 1 entry W 1000 x D 1000 mm         | NSYFCESD1010 | Front. R door w/console W 1200 mm  | NSYDSD12RF    |
| 1 entry W 1200 x D 1000 mm         | NSYFCESD1210 | Front. L door w/console W 1200 mm  | NSYDSD12LF    |
| 1 entry W 1600 x D 1000 mm         | NSYFCESD1610 | Front. R door w/console W 1600 mm  | NSYDSD16RF    |
|                                    |              | Front. L door w/console W 1600 mm  | NSYDSD16LF    |
| <b>Doors</b>                       |              |                                    |               |
| Desk lid W 600 mm                  | NSYDLSD6     | <b>Door accessories</b>            |               |
| Desk lid W 800 mm                  | NSYDLSD8     | Hinges compact control desk        | NSYHSD        |
| Desk lid W 1000 mm                 | NSYDLSD10    | Hinges control desk w/console      | NSYHSDF       |
| Desk lid W 1200 mm                 | NSYDLSD12    | <b>Locking accessories</b>         |               |
| Desk lid for w/console W 800 mm    | NSYDLSDF8    | Standard handle in RAL 7011        | NSYSDH        |
| Desk lid for w/console W 1000 mm   | NSYDLSDF10   | Flat escutcheon DB 5 mm insert     | NSYEMPOLN     |
| Desk lid for w/console W 1200 mm   | NSYDLSDF12   | Lock w/DB 3 mm for frontal doors   | NSYFDLSD      |
| Desk lid for w/console W 1600 mm   | NSYDLSDF16   | Lock w/DB 3 mm desk lids & covers  | NSYDLLSDF     |
| Folding console cover W 800 mm     | NSYCCSDF8    | Flat escutcheon with DB 5 mm       | NSYDSDFLCKDB5 |
| Folding console cover W 1000 mm    | NSYCCSDF10   | <b>Panels</b>                      |               |
| Folding console cover W 1200 mm    | NSYCCSDF12   | Rear panel W 600 mm                | NSYBPSD6      |
| Folding console cover W 1600 mm    | NSYCCSDF16   | Rear panel W 800 mm                | NSYBPSD8      |
| Cover W 400 mm for modular console | NSYMCCSD4    | Rear panel W 1000 mm               | NSYBPSD10     |
|                                    |              | Rear panel W 1200 mm               | NSYBPSD12     |

# Spare parts Selection table

## Applicative and customised solutions: HMI

PE501267-38



| SDX                               |            |             |            |
|-----------------------------------|------------|-------------|------------|
| Description                       | References | Description | References |
| <b>Cable gland plates</b>         |            |             |            |
| Cable gland pl. SDX85/SMX85/SFX86 | NSYCEX7    |             |            |
| Cable gland plate SDX105/SFX106   | NSYCEX13   |             |            |
| Cable gland plate SDX125/SMX125   | NSYCEX16   |             |            |
| Cable gland plate SDX65/SFX126    | NSYCEX3    |             |            |
| <b>Doors</b>                      |            |             |            |
| Frontal door 600 mm               | NSYDSDX6   |             |            |
| Frontal door 800 mm               | NSYDSDX8   |             |            |
| Frontal right door 1000 mm        | NSYDSDX10R |             |            |
| Frontal right door 1200 mm        | NSYDSDX12R |             |            |
| Frontal left door 1000 mm         | NSYDSDX10L |             |            |
| Frontal left door 1200 mm         | NSYDSDX12L |             |            |
| Desk lid 1000 mm                  | NSYDLSDX10 |             |            |
| Desk lid 1200 mm                  | NSYDLSDX12 |             |            |
| Desk lid 600 mm                   | NSYDLSDX6  |             |            |
| Desk lid 800 mm                   | NSYDLSDX8  |             |            |
| <b>Locking accessories</b>        |            |             |            |
| Locking system                    | NSYLSSDX   |             |            |
| <b>Panels</b>                     |            |             |            |
| Rear panel 1000 mm                | NSYBPSDX10 |             |            |
| Rear panel 1200 mm                | NSYBPSDX12 |             |            |
| Rear panel 600 mm                 | NSYBPSDX6  |             |            |
| Rear panel 800 mm                 | NSYBPSDX8  |             |            |

PE500300-36



| S3CM                          |             |             |            |
|-------------------------------|-------------|-------------|------------|
| Description                   | References  | Description | References |
| <b>Doors</b>                  |             |             |            |
| Plain door H 200 x W 200      | NSYDCRN22   |             |            |
| Plain door H 200 x W 300      | NSYDCRN23   |             |            |
| Plain door H 250 x W 200      | NSYDCRN2520 |             |            |
| Plain door H 300 x W 250      | NSYDCRN3025 |             |            |
| Plain door H 300 x W 300      | NSYDCRN33   |             |            |
| Plain door H 300 x W 400      | NSYDCRN34   |             |            |
| Plain door H 300 x W 450      | NSYDCRN3045 |             |            |
| Plain door H 400 x W 300      | NSYDCRN43   |             |            |
| Plain door H 400 x W 400      | NSYDCRN44   |             |            |
| Plain door H 400 x W 600      | NSYDCRN46   |             |            |
| Plain door H 500 x W 500      | NSYDCRN55   |             |            |
| Plain door H 600 x W 600      | NSYDCRN66   |             |            |
| Plain door H 600 x W 800      | NSYDCRN68   |             |            |
| Plain door H 800 x W 600      | NSYDCRN86   |             |            |
| <b>Door accessories</b>       |             |             |            |
| Standard Spacial hinge        | NSYBICRN    |             |            |
| <b>Earthing accessories</b>   |             |             |            |
| Set of 500 earthing labels    | NSYSWMEL    |             |            |
| <b>Panels</b>                 |             |             |            |
| Aluminium plate H 300 x W 300 | NSYPAS3CM33 |             |            |
| Aluminium plate H 300 x W 400 | NSYPAS3CM34 |             |            |
| Aluminium plate H 400 x W 400 | NSYPAS3CM44 |             |            |
| Aluminium plate H 400 x W 600 | NSYPAS3CM46 |             |            |
| Aluminium plate H 500 x W 500 | NSYPAS3CM55 |             |            |
| Aluminium plate H 600 x W 600 | NSYPAS3CM66 |             |            |
| Aluminium plate H 600 x W 800 | NSYPAS3CM68 |             |            |
| Aluminium plate H 800 x W 600 | NSYPAS3CM86 |             |            |

## Applicative and customised solutions: EMC

PE500205-42



| S3HF                        |                |             |            |
|-----------------------------|----------------|-------------|------------|
| Description                 | References     | Description | References |
| <b>Doors</b>                |                |             |            |
| Plain door H 400 x W 300    | NSYDS3HF43     |             |            |
| Plain door H 400 x W 600    | NSYDS3HF46     |             |            |
| Plain door H 500 x W 400    | NSYDS3HF54     |             |            |
| Plain door H 600 x W 400    | NSYDS3HF64     |             |            |
| Plain door H 600 x W 600    | NSYDS3HF66     |             |            |
| Plain door H 700 x W 500    | NSYDS3HF75     |             |            |
| Plain door H 800 x W 600    | NSYDS3HF86     |             |            |
| Plain door H 1000 x W 800   | NSYDS3HF108    |             |            |
| Plain door H 1200 x W 800   | NSYDS3HF128    |             |            |
| <b>Earthing accessories</b> |                |             |            |
| Set of 500 earthing labels  | NSYSWMEL       |             |            |
| <b>Locking accessories</b>  |                |             |            |
| Standard Locking system     | NSYAEDLS3HFDB3 |             |            |



# Spare parts Selection table

## Applicative and customised solutions: ATEX

PB500096



| S3DEX                       |            |                                      |                |
|-----------------------------|------------|--------------------------------------|----------------|
| Description                 | References | Description                          | References     |
| <b>Doors</b>                |            | <b>Fixing hardware</b>               |                |
| Plain door 300 x 200        | NSYDS3D32  | 100 screws cable gland plate         | NSYS3DCGSB     |
| Plain door 300 x 300        | NSYDS3D33  | Standard screw bag cable gland plate | NSYS3DCGPSTDSB |
| Plain door 400 x 300        | NSYDS3D43  | <b>Locking accessories</b>           |                |
| Plain door 400 x 400        | NSYDS3D44  | Set of 10 linkage guides             | NSYS3DLG       |
| Plain door 500 x 400        | NSYDS3D54  | Standard key DB3                     | NSYAEDLS3DKDB3 |
| Plain door 600 x 400        | NSYDS3D64  | 3 point lock linkage H 600 mm        | NSYBTAS3D60    |
| Plain door 600 x 600        | NSYDS3D66  | 3 point lock linkage H 700 mm        | NSYBTAS3D70    |
| Plain door 700 x 500        | NSYDS3D75  | 3 point lock linkage H 800 mm        | NSYBTAS3D80    |
| Plain door 800 x 600        | NSYDS3D86  | 3 point lock linkage H 1000 mm       | NSYBTAS3D100   |
| Plain door 1000 x 800       | NSYDS3D108 | <b>Panels</b>                        |                |
| <b>Earthing accessories</b> |            | 50 caps for holes of hinges WM       | NSYSWMCH       |
| Set of 500 earthing labels  | NSYSWMEL   | Set of 50 back plugs WM              | NSYSWMBP       |

## Outdoor Heavy Duty enclosures

PB502645-21



| Thalassa PHD                          |                         |                                       |                         |
|---------------------------------------|-------------------------|---------------------------------------|-------------------------|
| Description                           | References              | Description                           | References              |
| <b>Heavy duty cable-gland plate</b>   |                         | For enclosure H 1343 x W 1250 x D 620 |                         |
| For enclosure H 843 x W 750 x D 420   | NSYPPC74HD              |                                       | NSYPPC56HD + NSYPPC76HD |
| For enclosure H 843 x W 750 x D 620   | NSYPPC76HD              | For enclosure H 1593 x W 750 x D 420  | NSYPPC74HD              |
| For enclosure H 1093 x W 500 x D 420  | NSYPPC54HD              | For enclosure H 1593 x W 750 x D 620  | NSYPPC76HD              |
| For enclosure H 1093 x W 750 x D 420  | NSYPPC74HD              | For enclosure H 1593 x W 1250 x D 420 | NSYPPC54HD + NSYPPC74HD |
| For enclosure H 1343 x W 500 x D 420  | NSYPPC54HD              |                                       |                         |
| For enclosure H 1343 x W 750 x D 420  | NSYPPC74HD              | For enclosure H 1593 x W 1250 x D 620 | NSYPPC56HD + NSYPPC76HD |
| For enclosure H 1343 x W 750 x D 620  | NSYPPC76HD              | For enclosure H 2093 x W 750 x D 420  | NSYPPC74HD              |
| For enclosure H 1343 x W 1250 x D 420 | NSYPPC54HD + NSYPPC74HD |                                       |                         |

PB502653-17



| Spacial S3HD                        |            |                                      |               |
|-------------------------------------|------------|--------------------------------------|---------------|
| Description                         | References | Description                          | References    |
| <b>Heavy duty cable-gland plate</b> |            | For enclosure H 753 x W 500 x D 280  |               |
| For enclosure H 343 x W 200 x D 180 | NSYTLAUHD  | For enclosure H 858 x W 600 x D 330  | NSYTLGUHD     |
| For enclosure H 448 x W 300 x D 230 | NSYTLCUHD  | For enclosure H 862 x W 800 x D 430  | 2 x NSYTLDUHD |
| For enclosure H 548 x W 400 x D 230 | NSYTLDUHD  | For enclosure H 1062 x W 600 x D 430 | NSYTLGUHD     |
| For enclosure H 653 x W 400 x D 280 | NSYTLDUHD  | For enclosure H 1062 x W 800 x D 430 | 2 x NSYTLDUHD |
| For enclosure H 658 x W 600 x D 330 | NSYTLGUHD  |                                      |               |

PB502653-17



| Spacial SFHD                          |                  |                                       |                  |
|---------------------------------------|------------------|---------------------------------------|------------------|
| Description                           | References       | Description                           | References       |
| <b>Heavy duty cable-gland plate</b>   |                  | For enclosure H 1662 x W 800 x D 430  |                  |
| For enclosure H 1262 x W 600 x D 430  | NSYSFECA64HD     | For enclosure H 1662 x W 1200 x D 430 | 2 x NSYSFECA64HD |
| For enclosure H 1262 x W 800 x D 430  | NSYSFECA64HD     | For enclosure H 1681 x W 600 x D 630  | NSYSFECA66HD     |
| For enclosure H 1262 x W 1200 x D 430 | 2 x NSYSFECA64HD | For enclosure H 1681 x W 800 x D 630  | NSYSFECA66HD     |
| For enclosure H 1281 x W 600 x D 630  | NSYSFECA66HD     | For enclosure H 1681 x W 1200 x D 630 | 2 x NSYSFECA66HD |
| For enclosure H 1281 x W 800 x D 630  | NSYSFECA66HD     | For enclosure H 2062 x W 800 x D 430  | NSYSFECA64HD     |
| For enclosure H 1281 x W 1200 x D 630 | 2 x NSYSFECA66HD |                                       |                  |

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