

Steel floor-standing enclosures



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Compact metal enclosures

Overview

Convenience

Robustness

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Comfort

Practicality

Protection



Robustness:

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

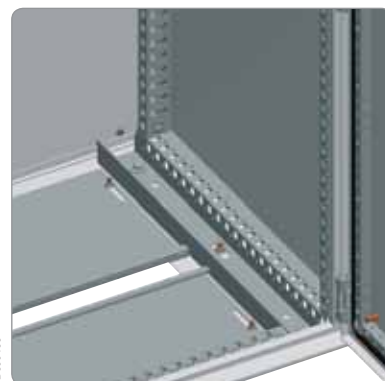


Compact metal enclosures

Overview

Practicality:

Two 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 suitable 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.



Convenience:

The customised product meets specific needs in terms of cut-outs, colours and accessory installation.



Compact metal enclosures

Overview

Compact metal enclosures

IP55 enclosure, IK10 for plain door and IK08 for transparent door.
The body is made from sheet steel, welded rear panel, and the front forms a rigid frame with welded corners.
Doors made from folded and welded steel, 120° opening, hinges with captive pin made from zamak and handle lock with 5-mm double-bar insert.
Assembled enclosure with plain or transparent door door, painted with epoxy-polyester resin, textured RAL 7035 grey, with or without galvanised-steel mounting plate.



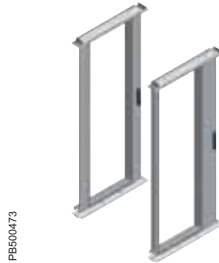
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Compact metal enclosures

Overview

Accessories for 19" racks

19" racks



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Customised compact metal enclosures

All RAL and NF colours. All surface treatments. All cut-outs made by high-precision laser, with no burrs. Accessory installation in plant.



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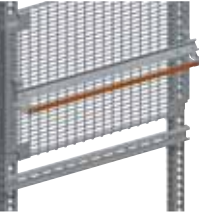
Compact metal enclosures

Overview

Main accessories

Locks and lock inserts	Lifting systems	Plinths
		
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Inner door	Door accessories
	
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Mounting plate	Adaptation profiles	Rails
		
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Cross rails

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Compact metal enclosures

Overview



Front door and rear panel, with or without galvanised mounting plate IP55

Basic composition

- Structure: body made from sheet steel, welded rear panel, with the front forming a rigid frame with welded corners.
- Front door:
 - Plain door with reinforcement frame.
 - Or, transparent Securit® glass door.
- The double doors are overlapping, with system for fixing the left door.
- Welded rear panel.
- Standard locking system with handle and 5-mm double-bar insert.
- 4 support brackets for the mounting plate.
- Cable-gland plate in 2 parts.
- Supply with or without galvanised mounting plate depending on the reference.
- Options:
 - Cross rails.
 - Individual plinths with heights of 100 and 200 mm.

Certifications

- BV, DNV, UL* and CUL.
- *1 Door: 1, 2, 3, 3R, 4, 5, 12, 12K and 13
- *2 Doors: 1, 12, 12K

Easy installation

- The **Spacial SM** compact metal enclosure is made up of a compact body, welded rear panel and front part forming a rigid frame with its corners welded. 4 deep supports, 2 at the top and 2 at the bottom, for adjusting the equipment fixing bracket with a pitch of 25 mm.
- Sheet-steel door, painted with epoxy-polyester resin in textured RAL7035 grey. Reinforcement frame made up of two perforated uprights with a pitch of 25 mm and two door rails (height-adjustable), which can be used for fixing cables. Vertical profiles for the enclosures with a height of 1200 mm.
- 4 zamak hinges and 4 locking points for the enclosures, with heights from 1200 to 2000 mm.
- Cable-gland plate in two parts with sealing gasket cross-section of 3 × 10 mm:
- A broad range of accessories offered for the production of:
 - Plates for automatisms.
 - Modular distribution system.
 - 19" racks.
 - etc.
- Degree of protection IP55 according to IEC 60529.
- Resistance to mechanical impacts: IK10 according to IEC 62262 (IK08 for the transparent doors).

Locking system

- New design, modern appearance, ergonomic, sturdy, complying with numerous specifications:
 - Combination keys.
 - Shape inserts.
 - Push button.
- Optional:
 - Handle lock for versions DIN, KABA, ASSA.
 - Handle lock for 2 inserts, "AND" or "OR" combination.
 - Padlock locking.
 - CNOMO kit.

Compact metal enclosures

Selection guide



Nominal dimensions (mm)			No. of doors	Plain door		Transparent door	Plinth		
Height (A)	Width (B)	Depth (C)		With mounting plate	Without mounting plate	Without mounting plate	Height 100 (mm)		
1200	800	300	1	NSYSM12830P	NSYSM12830	-	NSYSPF8100	NSYSPS3100	
1200	1000	300	2	NSYSM1210302DP	NSYSM1210302D	-	NSYSPF10100	NSYSPS3100	
1200	1200	400	2	NSYSM1212402DP	NSYSM1212402D	-	NSYSPF12100	NSYSPS4100	
1400	600	300	1	NSYSM14630P	NSYSM14630	-	NSYSPF6100	NSYSPS3100	
1400	600	400	1	NSYSM14640P	NSYSM14640	-	NSYSPF6100	NSYSPS4100	
1400	800	300	1	NSYSM14830P	NSYSM14830	-	NSYSPF8100	NSYSPS3100	
1400	800	400	1	NSYSM14840P	NSYSM14840	NSYSM14840T	NSYSPF8100	NSYSPS4100	
1400	1000	400	2	NSYSM1410402DP	NSYSM1410402D	-	NSYSPF10100	NSYSPS4100	
1400	1200	400	2	NSYSM1412402DP	NSYSM1412402D	-	NSYSPF12100	NSYSPS4100	
1600	600	300	1	NSYSM16630P	NSYSM16630	-	NSYSPF6100	NSYSPS3100	
1600	600	400	1	NSYSM16640P	NSYSM16640	NSYSM16640T	NSYSPF6100	NSYSPS4100	
1600	800	300	1	NSYSM16830P	NSYSM16830	NSYSM16830T	NSYSPF8100	NSYSPS3100	
1600	800	400	1	NSYSM16840P	NSYSM16840	NSYSM16840T	NSYSPF8100	NSYSPS4100	
1600	1000	300	2	NSYSM1610302DP	NSYSM1610302D	-	NSYSPF10100	NSYSPS3100	
1600	1000	400	2	NSYSM1610402DP	NSYSM1610402D	-	NSYSPF10100	NSYSPS4100	
1600	1200	300	2	NSYSM1612302DP	NSYSM1612302D	-	NSYSPF12100	NSYSPS3100	
1600	1200	400	2	NSYSM1612402DP	NSYSM1612402D	-	NSYSPF12100	NSYSPS4100	
1800	600	300	1	NSYSM18630P	NSYSM18630	-	NSYSPF6100	NSYSPS3100	
1800	600	400	1	NSYSM18640P	NSYSM18640	NSYSM18640T	NSYSPF6100	NSYSPS4100	
1800	600	500	1	NSYSM18650P	NSYSM18650	-	NSYSPF6100	NSYSPS5100	
1800	800	300	1	NSYSM18830P	NSYSM18830	NSYSM18830T	NSYSPF8100	NSYSPS3100	
1800	800	400	1	NSYSM18840P	NSYSM18840	NSYSM18840T	NSYSPF8100	NSYSPS4100	
1800	800	500	1	NSYSM18850P	NSYSM18850	NSYSM18850T	NSYSPF8100	NSYSPS5100	
1800	800	600	1	NSYSM18860P	NSYSM18860	-	NSYSPF8100	NSYSPS6100	
1800	1000	400	1	NSYSM181040P	NSYSM181040	-	NSYSPF10100	NSYSPS4100	
1800	1000	400	2	NSYSM1810402DP	NSYSM1810402D	-	NSYSPF10100	NSYSPS4100	
1800	1000	500	2	NSYSM1810502DP	NSYSM1810502D	-	NSYSPF10100	NSYSPS5100	
1800	1200	400	2	NSYSM1812402DP	NSYSM1812402D	-	NSYSPF12100	NSYSPS4100	
1800	1200	500	2	NSYSM1812502DP	NSYSM1812502D	-	NSYSPF12100	NSYSPS5100	
1800	1600	400	2	NSYSM1816402DP	NSYSM1816402D	-	NSYSPF16100	NSYSPS4100	
1800	1600	500	2	NSYSM1816502DP	NSYSM1816502D	-	NSYSPF16100	NSYSPS5100	
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2000	1000	500	2	NSYSM2010502DP	NSYSM2010502D	-	NSYSPF10100	NSYSPS5100	
2000	1200	400	2	NSYSM2012402DP	NSYSM2012402D	-	NSYSPF12100	NSYSPS4100	
2000	1200	500	2	NSYSM2012502DP	NSYSM2012502D	-	NSYSPF12100	NSYSPS5100	
2000	1200	600	2	NSYSM2012602DP	NSYSM2012602D	-	NSYSPF12100	NSYSPS6100	
2000	1600	400	2	NSYSM2016402DP	NSYSM2016402D	-	NSYSPF16100	NSYSPS4100	
2000	1600	500	2	NSYSM2016502DP	NSYSM2016502D	-	NSYSPF16100	NSYSPS5100	
2000	1600	600	2	NSYSM2016602DP	NSYSM2016602D	-	NSYSPF16100	NSYSPS6100	

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180° hinge
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Locks and lock inserts
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Document pocket
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Door cross rail
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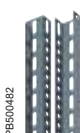
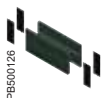
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Compact metal enclosures

Selection guide



	Plinth		Inner door	Mounting plate	Standard vertical uprights	Technical vertical uprights	Off-centre 19" swing rack	Centred 19" swing rack
	Height 200 (mm)							
	Front kit (corners + front panels)	Side panels, 4 u.						
	NSYSPF8200	NSYSPS3200	-	NSYMP128	-	NSYTVR12	-	-
	NSYSPF10200	NSYSPS3200	-	NSYMP1210	-	NSYTVR12	-	-
	NSYSPF12200	NSYSPS4200	-	NSYMP1212	-	NSYTVR12	-	-
	NSYSPF6200	NSYSPS3200	-	NSYMP146	-	NSYTVR14	-	-
	NSYSPF6200	NSYSPS4200	-	NSYMP146	-	NSYTVR14	-	-
	NSYSPF8200	NSYSPS3200	-	NSYMP148	-	NSYTVR14	NSYRSW27	NSYRSWC27
	NSYSPF8200	NSYSPS4200	-	NSYMP148	-	NSYTVR14	NSYRSW27	NSYRSWC27
	NSYSPF10200	NSYSPS4200	-	NSYMP1410	-	NSYTVR14	-	-
	NSYSPF12200	NSYSPS4200	-	NSYMP1412	-	NSYTVR14	-	-
	NSYSPF6200	NSYSPS3200	NSYID166	NSYMP166	-	NSYTVR16	-	-
	NSYSPF6200	NSYSPS4200	NSYID166	NSYMP166	-	NSYTVR16	-	-
	NSYSPF8200	NSYSPS3200	NSYID168	NSYMP168	-	NSYTVR16	NSYRSW31	NSYRSWC31
	NSYSPF8200	NSYSPS4200	NSYID168	NSYMP168	-	NSYTVR16	NSYRSW31	NSYRSWC31
	NSYSPF10200	NSYSPS3200	-	NSYMP1610	-	NSYTVR16	-	-
	NSYSPF10200	NSYSPS4200	-	NSYMP1610	-	NSYTVR16	-	-
	NSYSPF12200	NSYSPS3200	-	NSYMP1612	-	NSYTVR16	-	-
	NSYSPF12200	NSYSPS4200	-	NSYMP1612	-	NSYTVR16	-	-
	NSYSPF6200	NSYSPS3200	NSYID186	NSYMP186	NSYVR18	NSYTVR18	-	-
	NSYSPF6200	NSYSPS4200	NSYID186	NSYMP186	NSYVR18	NSYTVR18	-	-
	NSYSPF6200	NSYSPS5200	NSYID186	NSYMP186	NSYVR18	NSYTVR18	-	-
	NSYSPF8200	NSYSPS3200	NSYID188	NSYMP188	NSYVR18	NSYTVR18	NSYRSW36	NSYRSWC36
	NSYSPF8200	NSYSPS4200	NSYID188	NSYMP188	NSYVR18	NSYTVR18	NSYRSW36	NSYRSWC36
	NSYSPF8200	NSYSPS5200	NSYID188	NSYMP188	NSYVR18	NSYTVR18	NSYRSW36	NSYRSWC36
	NSYSPF8200	NSYSPS6200	NSYID188	NSYMP188	NSYVR18	NSYTVR18	NSYRSW36	NSYRSWC36
	NSYSPF10200	NSYSPS4200	NSYID1810	NSYMP1810	NSYVR18	NSYTVR18	-	-
	NSYSPF10200	NSYSPS4200	NSYID1810	NSYMP1810	NSYVR18	NSYTVR18	-	-
	NSYSPF10200	NSYSPS5200	NSYID1810	NSYMP1810	NSYVR18	NSYTVR18	-	-
	NSYSPF12200	NSYSPS4200	-	NSYMP1812	NSYVR18	NSYTVR18	-	-
	NSYSPF12200	NSYSPS5200	-	NSYMP1812	NSYVR18	NSYTVR18	-	-
	NSYSPF16200	NSYSPS4200	-	NSYMP1816	NSYVR18	NSYTVR18	-	-
	NSYSPF16200	NSYSPS5200	-	NSYMP1816	NSYVR18	NSYTVR18	-	-
	NSYSPF6200	NSYSPS3200	NSYID206	NSYMP206	NSYVR20	NSYTVR20	-	-
	NSYSPF6200	NSYSPS4200	NSYID206	NSYMP206	NSYVR20	NSYTVR20	-	-
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	NSYSPF10200	NSYSPS5200	NSYID2010	NSYMP2010	NSYVR20	NSYTVR20	-	-
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	NSYSPF12200	NSYSPS5200	-	NSYMP2012	NSYVR20	NSYTVR20	-	-
	NSYSPF12200	NSYSPS6200	-	NSYMP2012	NSYVR20	NSYTVR20	-	-
	NSYSPF16200	NSYSPS4200	-	NSYMP2016	NSYVR20	NSYTVR20	-	-
	NSYSPF16200	NSYSPS5200	-	NSYMP2016	NSYVR20	NSYTVR20	-	-
	NSYSPF16200	NSYSPS6200	-	NSYMP2016	NSYVR20	NSYTVR20	-	-

Cross rails
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Lighting
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Door switch
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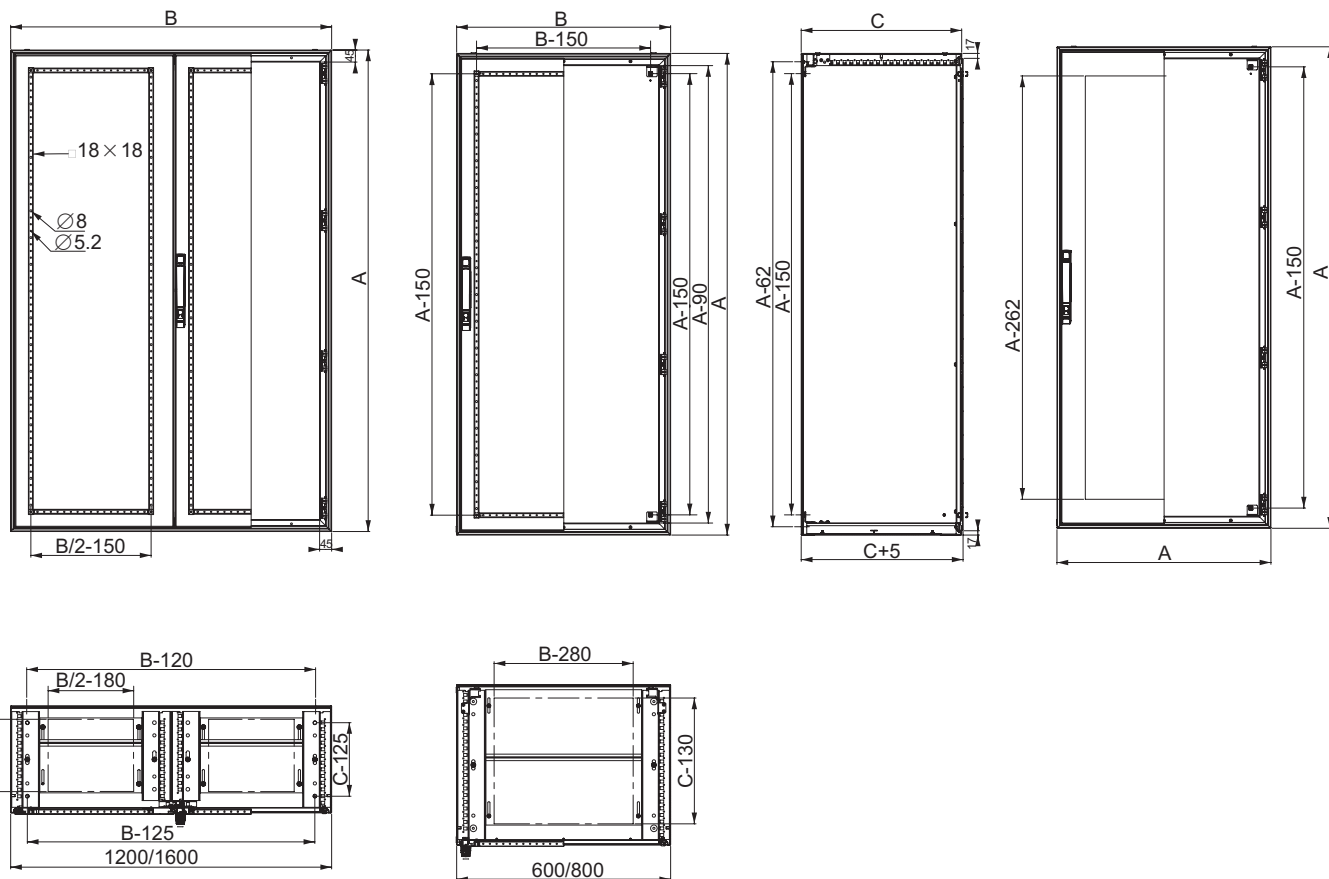
Cabling accessories
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Compact metal enclosures

Dimensions

Dimensions

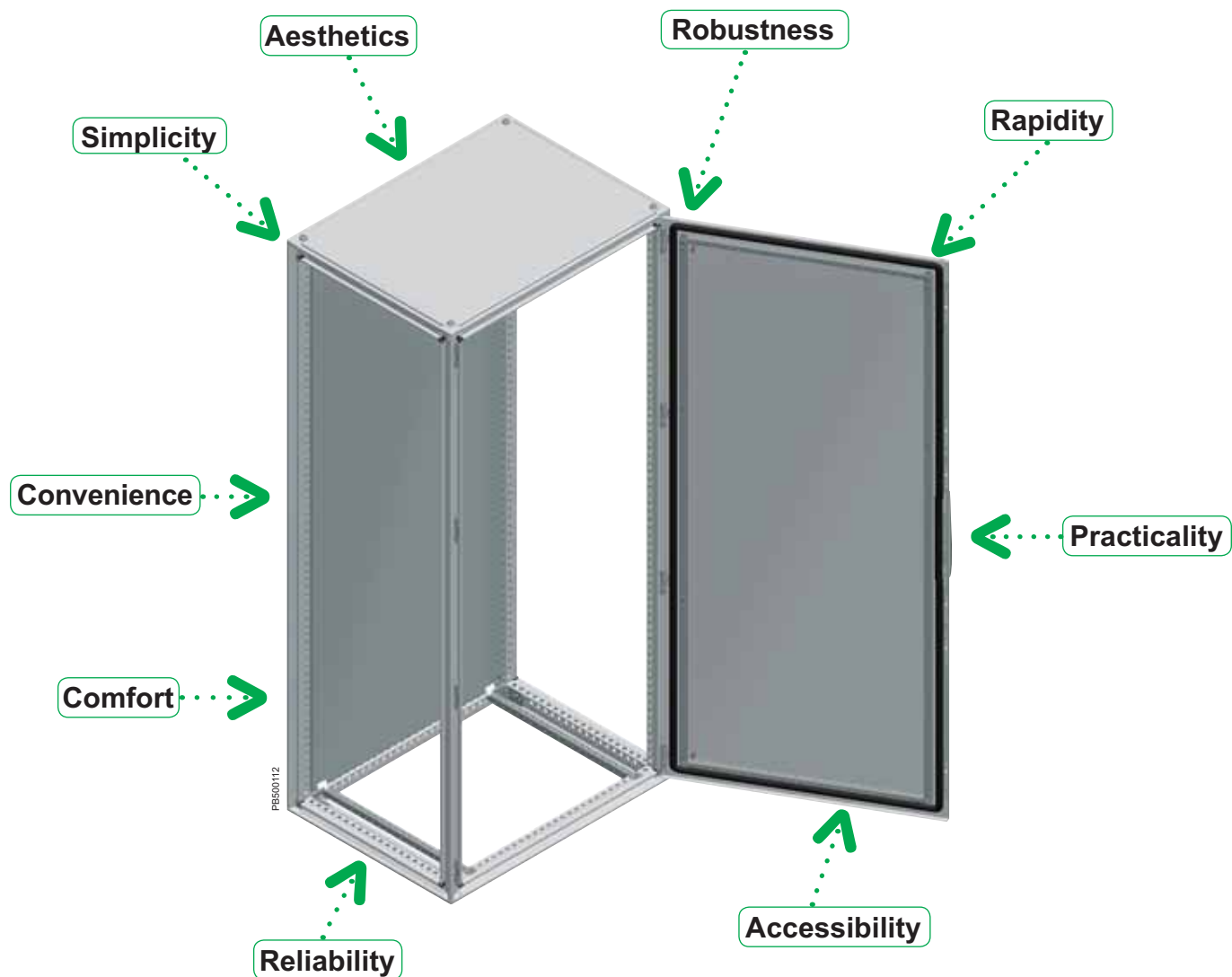


Models with a width of 1200 mm
without top/bottom adjustment rails

Suitable metal enclosures

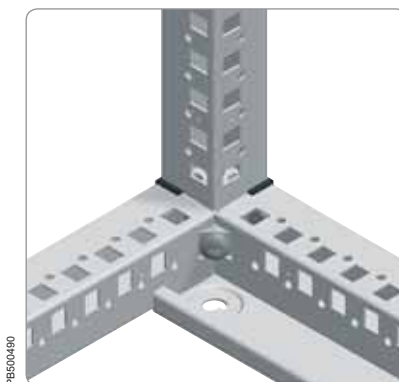
Overview

3



Robustness:

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.



Practicality:

Two door cross rails, which can be height-adjustable and used for fixing cables.

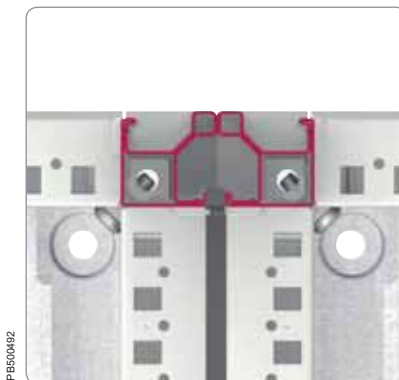


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Reliability:

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.



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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.



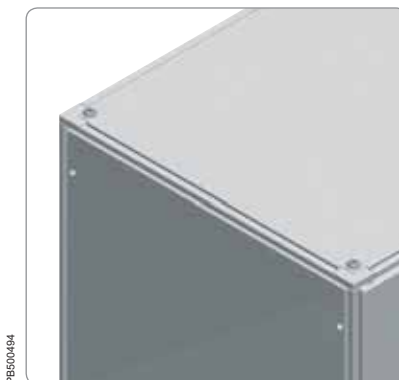
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Aesthetics:

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



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Simplicity:

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



Convenience:

The customised product meets specific needs in terms of dimensions, cut-outs, colours and accessory installation.



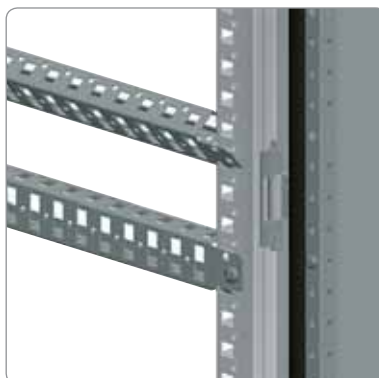
Accessibility:

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.



Rapidity:

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.



Suitable metal enclosures

Overview

Suitable metal enclosures, assembled and as kits

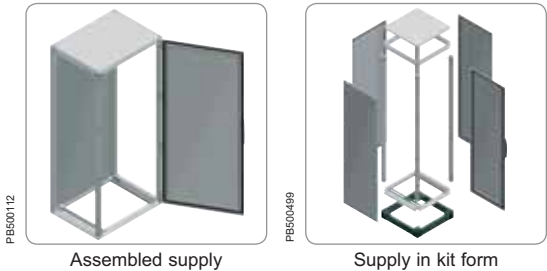
Enclosures compliant with international standard IEC 62208 for empty enclosures for low-voltage switchgear and controlgear assemblies.
IP55 enclosure, IK10 for plain door and IK08 for transparent door.
The structure is made from profiled and laser-welded galvanised steel, with vertical and horizontal cut-outs with a pitch of 25 mm.
Doors made from folded and welded steel, 120° opening, hinges with captive pin made from zamak and handle lock with 5-mm double-bar insert.
To guarantee the continuity of the protection circuit, according to standard IEC 62208, it is necessary to install a protection conductor.

Suitable metal enclosures

Assembled enclosure with plain or transparent front door and with rear panel, painted with epoxy-polyester resin, textured RAL 7035 grey, with or without galvanised-steel mounting plate.

Suitable metal enclosure kits

All the components that make up the suitable metal enclosure exist as separate references, offering multiple possibilities.



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Compartmentalised enclosures and PC racks

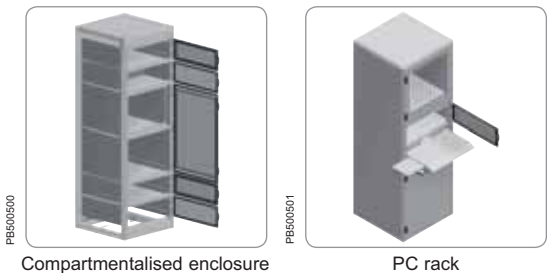
Roof and panels fixed from the inside (only for PC racks).
Partial front doors, mounted with zamak hinges, 3-mm double-bar lock.
Degree of protection IP40 with open keyboard tray.

Compartmentalised suitable metal enclosures

Compartmentalised enclosure separating the various working zones, limiting access to them, painted with epoxy-polyester resin, textured RAL 7035 grey.

PC racks

The PC rack is designed to protect computer equipment in an industrial environment, painted with epoxy-polyester resin, textured RAL 7035 grey.



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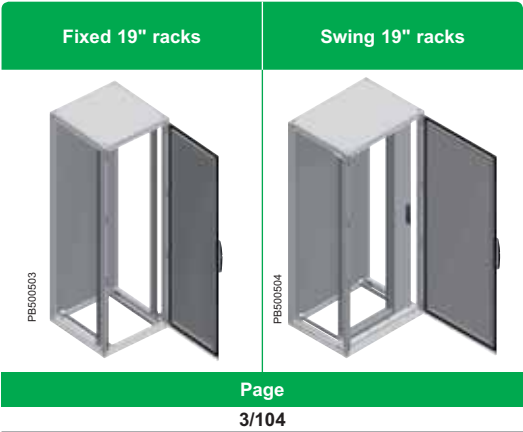
Electronic application

Transparent front door, plain rear door and side panels fixed from the outside. Painted with epoxy-polyester resin, textured RAL 7035 grey. In enclosures with widths of 600 and 800 mm, it is possible to install fixed or swing racks.

Electronic application, for 19" racks



Accessories for 19" racks



Prisma Plus application¹

Assembled or dismantled enclosures with a height of 2000 mm and 3 depths (500, 600 and 800 mm). Adaptation uprights allowing the installation of the components of the Prisma Plus functional frames.

Suitable metal enclosures

Overview

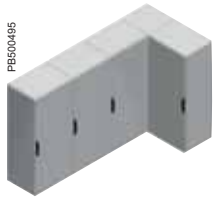
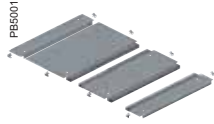
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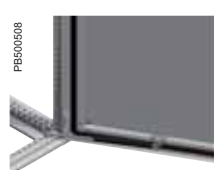


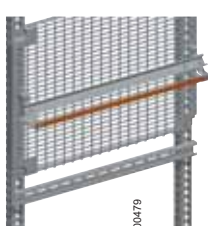
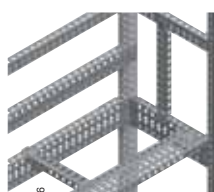
Customised suitable metal enclosures

All RAL and NF colours. All surface treatments. All cut-outs made by high-precision laser, with no burrs or deformations. Accessory installation in plant.

Main accessories

Side panels	Plinth	Enclosure suites	Lifting systems	Cable-entry plates
				
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Inner door	Door accessories	Locks and lock inserts
		
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Mounting plate	Standard uprights	Technical uprights	Rails	Cross rails	Rail connectors
					
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Suitable metal enclosures

Overview



Front door and rear panel, with or without IP55 galvanised mounting plate

Basic composition

- Structure: Top and bottom frame, vertical uprights.
- Front door, two versions:
 - Plain door with reinforcement frame.
 - Transparent Securit® glass door.
- The double doors are overlapping, with system for fixing the left door.
- Rear panel screwed on with captive screws.
- Removable roof.
- Standard locking system with handle and 5-mm double-bar insert.
- 4 support brackets for the mounting plate.
- Sliding rail for the mounting plate.
- Supply with or without galvanised mounting plate depending on the reference.
- Further options:
 - Cross rails.
 - Individual and set plinths with heights of 100 and 200 mm.
 - Cable-gland plates.

Certifications

- BV, DNV, UL and CUL*.
- *1 Door.- 1, 12, 12K
- *2 Doors.- 1, 12, 12K

Easy installation

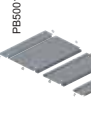
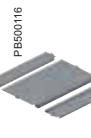
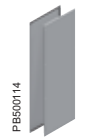
- The **Spacial SF** suitable metal enclosure is made up of: 4 uprights and 2 frames, top and bottom. Thanks to its use of a single, laser-welded, galvanised-steel structure, the enclosure has great robustness. The structure has cut-outs with a pitch of 25 mm for fixing accessories, using the same type of screw throughout the entire structure.
- The structure of the enclosure allows the integration of panels, thus obtaining the same nominal length (or size) with or without panels.
- Allows several enclosures to be coupled with full versatility. Offers the possibility of creating any desired shape of coupled enclosures, plus the possibility of installing doors on any side of the enclosure. The coupling surface between enclosures offers a double protective barrier against the entry of water and/or dust.
- The panels are made up of:
 - Sheet-steel door, painted with epoxy-polyester resin, textured RAL 7035 grey,
 - Sheet-steel rear and side panels painted with epoxy-polyester resin, textured RAL 7035 grey, double folded to increase the rigidity and fixed with captive screws that simplify assembly and dismantling.
 - Individual plinths or plinths for sets, painted with epoxy-polyester resin, RAL 7022 grey, greatly simplifying cable management.
- A broad range of accessories offered for the production of:
 - Plates for automatisms.
 - Modular distribution system.
 - 19" racks.
 - etc.
- Degree of protection IP55 according to IEC 60529.
- Resistance to mechanical impacts: IK10 according to IEC 62262 (IK08 for the transparent doors).

Locking system

- New design, modern appearance, ergonomic, robust, complying with numerous specifications:
 - Combination keys.
 - Shape inserts.
 - Push button.
- Optional:
 - Handle lock, lock for versions DIN, KABA, ASSA.
 - Handle lock for 2 inserts, "AND" or "OR" combination.
 - Padlock locking.
 - CNOMO kit.

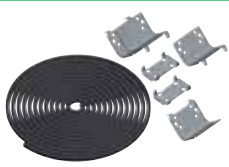
Suitable metal enclosures

Assembled supply



Nominal dimensions (mm)			No. of doors	Plain door		Transparent door	Side panels	Cable-entry plate		
Height (A)	Width (B)	Depth (C)		With mounting plate	Without mounting plate	Without mounting plate		Plain	1 entry	2 entries
1200	600	400	1	NSYSF12640P	NSYSF12640	-	NSY2SP124	NSYEC64	NSYEC641	-
1200	600	600	1	NSYSF12660P	NSYSF12660	-	NSY2SP126	NSYEC66	NSYEC661	NSYEC662
1200	800	400	1	NSYSF12840P	NSYSF12840	-	NSY2SP124	NSYEC84	NSYEC841	-
1200	800	600	1	NSYSF12860P	NSYSF12860	-	NSY2SP126	NSYEC86	NSYEC861	NSYEC862
1400	600	400	1	NSYSF14640P	NSYSF14640	-	NSY2SP144	NSYEC64	NSYEC641	-
1400	800	400	1	NSYSF14840P	NSYSF14840	-	NSY2SP144	NSYEC84	NSYEC841	-
1600	600	600	1	NSYSF16660P	NSYSF16660	-	NSY2SP166	NSYEC66	NSYEC661	NSYEC662
1600	600	800	1	NSYSF16680P	NSYSF16680	-	NSY2SP168	NSYEC68	NSYEC681	NSYEC682
1600	800	600	1	NSYSF16860P	NSYSF16860	-	NSY2SP166	NSYEC86	NSYEC861	NSYEC862
1600	800	800	1	NSYSF16880P	NSYSF16880	-	NSY2SP168	NSYEC88	NSYEC881	NSYEC882
1800	400	400	1	-	NSYSF18440	-	NSY2SP184	NSYEC44	NSYEC441	-
1800	400	500	1	-	NSYSF18450	-	NSY2SP185	NSYEC45	NSYEC451	-
1800	400	600	1	-	NSYSF18460	-	NSY2SP186	-	NSYEC461	-
1800	600	400	1	NSYSF18640P	NSYSF18640	NSYSF18640T	NSY2SP184	NSYEC64	NSYEC641	-
1800	600	500	1	NSYSF18650P	NSYSF18650	NSYSF18650T	NSY2SP185	NSYEC65	NSYEC651	-
1800	600	600	1	NSYSF18660P	NSYSF18660	-	NSY2SP186	NSYEC66	NSYEC661	NSYEC662
1800	600	800	1	-	-	NSYSF18680T	NSY2SP188	NSYEC68	NSYEC681	NSYEC682
1800	800	400	1	NSYSF18840P	NSYSF18840	NSYSF18840T	NSY2SP184	NSYEC84	NSYEC841	-
1800	800	500	1	NSYSF18850P	NSYSF18850	NSYSF18850T	NSY2SP185	NSYEC85	NSYEC851	-
1800	800	600	1	NSYSF18860P	NSYSF18860	NSYSF18860T	NSY2SP186	NSYEC86	NSYEC861	NSYEC862
1800	800	600	2	NSYSF188602DP	NSYSF188602D	-	NSY2SP186	NSYEC86	NSYEC861	NSYEC862
1800	1000	400	1	NSYSF181040P	NSYSF181040	-	NSY2SP184	NSYEC104	NSYEC1041	-
1800	1000	400	2	NSYSF1810402DP	NSYSF1810402D	-	NSY2SP184	NSYEC104	NSYEC1041	-
1800	1000	500	1	NSYSF181050P	NSYSF181050	-	NSY2SP185	NSYEC105	NSYEC1051	-
1800	1000	600	1	NSYSF181060P	NSYSF181060	-	NSY2SP186	NSYEC106	NSYEC1061	NSYEC1062
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1800	1200	500	2	NSYSF1812502DP	NSYSF1812502D	-	NSY2SP185	NSYEC125	NSYEC1251	-
1800	1200	600	2	NSYSF1812602DP	NSYSF1812602D	-	NSY2SP186	NSYEC126	NSYEC1261	NSYEC1262
2000	300	500	1	-	NSYSF20350	-	NSY2SP205	NSYEC35	NSYEC351	-
2000	300	600	1	-	NSYSF20360	-	NSY2SP206	NSYEC36	NSYEC361	-
2000	300	800	1	-	NSYSF20380	-	NSY2SP208	-	NSYEC381	-
2000	400	400	1	-	NSYSF20440	-	NSY2SP204	NSYEC44	NSYEC441	-
2000	400	500	1	-	NSYSF20450	-	NSY2SP205	NSYEC45	NSYEC451	-
2000	400	600	1	-	NSYSF20460	-	NSY2SP206	-	NSYEC461	-
2000	400	800	1	-	NSYSF20480	-	NSY2SP208	-	NSYEC481	-
2000	600	400	1	NSYSF20640P	NSYSF20640	NSYSF20640T	NSY2SP204	NSYEC64	NSYEC641	-
2000	600	500	1	NSYSF20650P	NSYSF20650	NSYSF20650T	NSY2SP205	NSYEC65	NSYEC651	-
2000	600	600	1	NSYSF20660P	NSYSF20660	-	NSY2SP206	NSYEC66	NSYEC661	NSYEC662
2000	600	800	1	NSYSF20680P	NSYSF20680	-	NSY2SP208	NSYEC68	NSYEC681	NSYEC682
2000	800	400	1	NSYSF20840P	NSYSF20840	NSYSF20840T	NSY2SP204	NSYEC84	NSYEC841	-
2000	800	500	1	NSYSF20850P	NSYSF20850	NSYSF20850T	NSY2SP205	NSYEC85	NSYEC851	-
2000	800	600	1	NSYSF20860P	NSYSF20860	NSYSF20860T	NSY2SP206	NSYEC86	NSYEC861	NSYEC862
2000	800	600	2	NSYSF208602DP	NSYSF208602D	-	NSY2SP206	NSYEC86	NSYEC861	NSYEC862
2000	800	800	1	NSYSF20880P	NSYSF20880	NSYSF20880T	NSY2SP208	NSYEC88	NSYEC881	NSYEC882
2000	1000	400	1	NSYSF201040P	NSYSF201040	NSYSF201040T	NSY2SP204	NSYEC104	NSYEC1041	-
2000	1000	400	2	NSYSF2010402DP	NSYSF2010402D	-	NSY2SP204	NSYEC104	NSYEC1041	-
2000	1000	500	1	NSYSF201050P	NSYSF201050	NSYSF201050T	NSY2SP205	NSYEC105	NSYEC1051	-
2000	1000	500	2	NSYSF2010502DP	NSYSF2010502D	-	NSY2SP205	NSYEC105	NSYEC1051	-
2000	1000	600	1	NSYSF201060P	NSYSF201060	NSYSF201060T	NSY2SP206	NSYEC106	NSYEC1061	NSYEC1062
2000	1000	600	2	NSYSF2010602DP	NSYSF2010602D	-	NSY2SP206	NSYEC106	NSYEC1061	NSYEC1062
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2000	1600	600	2	NSYSF2016602DP	NSYSF2016602D	-	NSY2SP206	NSYEC166	NSYEC1661	NSYEC1662
2200	400	600	1	-	NSYSF22460	-	NSY2SP226	-	NSYEC461	-
2200	600	600	1	NSYSF22660P	NSYSF22660	-	NSY2SP226	NSYEC66	NSYEC661	NSYEC662
2200	600	800	1	NSYSF22680P	NSYSF22680	-	NSY2SP228	NSYEC68	NSYEC681	NSYEC682
2200	800	600	1	NSYSF22860P	NSYSF22860	-	NSY2SP226	NSYEC86	NSYEC861	NSYEC862
2200	800	800	1	NSYSF22880P	NSYSF22880	NSYSF22880T	NSY2SP228	NSYEC88	NSYEC881	NSYEC882
2200	1000	600	1	NSYSF221060P	NSYSF221060	-	NSY2SP226	NSYEC106	NSYEC1061	NSYEC1062
2200	1200	600	2	NSYSF2212602DP	NSYSF2212602D	-	NSY2SP226	NSYEC126	NSYEC1261	NSYEC1262
2200	1200	800	2	NSYSF2212802DP	NSYSF2212802D	-	NSY2SP228	NSYEC128	NSYEC1281	NSYEC1282

Enclosure coupling kit
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Plinth
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Lifting eyebolts
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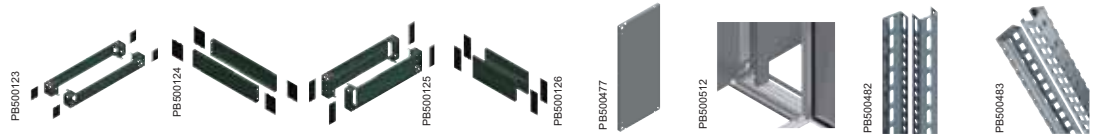


Lifting brackets
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Door cross rail
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Nominal dimensions (mm)			Plinth				Mounting plate	Intermediate mounting plate	Standard vertical uprights	Technical vertical uprights
			Height 100 (mm)		Height 200 (mm)					
Height (A)	Width (B)	Depth (C)	Front kit (corners + front panels)	Side panels, 2 u.	Front kit (corners + front panels)	Side panels, 4 u.				
1200	600	400	NSYSPF6100	NSYSPS4100	NSYSPF6200	NSYSPS4200	NSYMP126	NSYSIMP12	-	NSYTVR12
1200	600	600	NSYSPF6100	NSYSPS6100	NSYSPF6200	NSYSPS6200	NSYMP126	NSYSIMP12	-	NSYTVR12
1200	800	400	NSYSPF8100	NSYSPS4100	NSYSPF8200	NSYSPS4200	NSYMP128	NSYSIMP12	-	NSYTVR12
1200	800	600	NSYSPF8100	NSYSPS6100	NSYSPF8200	NSYSPS6200	NSYMP128	NSYSIMP12	-	NSYTVR12
1400	600	400	NSYSPF6100	NSYSPS4100	NSYSPF6200	NSYSPS4200	NSYMP146	NSYSIMP14	-	NSYTVR14
1400	800	400	NSYSPF8100	NSYSPS4100	NSYSPF8200	NSYSPS4200	NSYMP148	NSYSIMP14	-	NSYTVR14
1600	600	600	NSYSPF6100	NSYSPS6100	NSYSPF6200	NSYSPS6200	NSYMP166	NSYSIMP16	-	NSYTVR16
1600	600	800	NSYSPF6100	NSYSPS8100	NSYSPF6200	NSYSPS8200	NSYMP166	NSYSIMP16	-	NSYTVR16
1600	800	600	NSYSPF8100	NSYSPS6100	NSYSPF8200	NSYSPS6200	NSYMP168	NSYSIMP16	-	NSYTVR16
1600	800	800	NSYSPF8100	NSYSPS8100	NSYSPF8200	NSYSPS8200	NSYMP168	NSYSIMP16	-	NSYTVR16
1800	400	400	NSYSPF4100	NSYSPS4100	NSYSPF4200	NSYSPS4200	-	-	NSYVR18	NSYTVR18
1800	400	500	NSYSPF4100	NSYSPS5100	NSYSPF4200	NSYSPS5200	-	-	NSYVR18	NSYTVR18
1800	400	600	NSYSPF4100	NSYSPS6100	NSYSPF4200	NSYSPS6200	-	-	NSYVR18	NSYTVR18
1800	600	400	NSYSPF6100	NSYSPS4100	NSYSPF6200	NSYSPS4200	NSYMP186	NSYSIMP18	NSYVR18	NSYTVR18
1800	600	500	NSYSPF6100	NSYSPS5100	NSYSPF6200	NSYSPS5200	NSYMP186	NSYSIMP18	NSYVR18	NSYTVR18
1800	600	600	NSYSPF6100	NSYSPS6100	NSYSPF6200	NSYSPS6200	NSYMP186	NSYSIMP18	NSYVR18	NSYTVR18
1800	600	800	NSYSPF6100	NSYSPS8100	NSYSPF6200	NSYSPS8200	NSYMP186	NSYSIMP18	NSYVR18	NSYTVR18
1800	800	400	NSYSPF8100	NSYSPS4100	NSYSPF8200	NSYSPS4200	NSYMP188	NSYSIMP18	NSYVR18	NSYTVR18
1800	800	500	NSYSPF8100	NSYSPS5100	NSYSPF8200	NSYSPS5200	NSYMP188	NSYSIMP18	NSYVR18	NSYTVR18
1800	800	600	NSYSPF8100	NSYSPS6100	NSYSPF8200	NSYSPS6200	NSYMP188	NSYSIMP18	NSYVR18	NSYTVR18
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2000	600	500	NSYSPF6100	NSYSPS5100	NSYSPF6200	NSYSPS5200	NSYMP206	NSYSIMP20	NSYVR20	NSYTVR20
2000	600	600	NSYSPF6100	NSYSPS6100	NSYSPF6200	NSYSPS6200	NSYMP206	NSYSIMP20	NSYVR20	NSYTVR20
2000	600	800	NSYSPF6100	NSYSPS8100	NSYSPF6200	NSYSPS8200	NSYMP206	NSYSIMP20	NSYVR20	NSYTVR20
2000	800	400	NSYSPF8100	NSYSPS4100	NSYSPF8200	NSYSPS4200	NSYMP208	NSYSIMP20	NSYVR20	NSYTVR20
2000	800	500	NSYSPF8100	NSYSPS5100	NSYSPF8200	NSYSPS5200	NSYMP208	NSYSIMP20	NSYVR20	NSYTVR20
2000	800	600	NSYSPF8100	NSYSPS6100	NSYSPF8200	NSYSPS6200	NSYMP208	NSYSIMP20	NSYVR20	NSYTVR20
2000	800	600	NSYSPF8100	NSYSPS6100	NSYSPF8200	NSYSPS6200	NSYMP208	NSYSIMP20	NSYVR20	NSYTVR20
2000	800	800	NSYSPF8100	NSYSPS8100	NSYSPF8200	NSYSPS8200	NSYMP208	NSYSIMP20	NSYVR20	NSYTVR20
2000	1000	400	NSYSPF10100	NSYSPS4100	NSYSPF10200	NSYSPS4200	NSYMP2010	NSYSIMP20	NSYVR20	NSYTVR20
2000	1000	400	NSYSPF10100	NSYSPS4100	NSYSPF10200	NSYSPS4200	NSYMP2010	NSYSIMP20	NSYVR20	NSYTVR20
2000	1000	500	NSYSPF10100	NSYSPS5100	NSYSPF10200	NSYSPS5200	NSYMP2010	NSYSIMP20	NSYVR20	NSYTVR20
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2000	1000	600	NSYSPF10100	NSYSPS6100	NSYSPF10200	NSYSPS6200	NSYMP2010	NSYSIMP20	NSYVR20	NSYTVR20
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2000	1200	400	NSYSPF12100	NSYSPS4100	NSYSPF12200	NSYSPS4200	NSYMP2012	NSYSIMP20	NSYVR20	NSYTVR20
2000	1200	500	NSYSPF12100	NSYSPS5100	NSYSPF12200	NSYSPS5200	NSYMP2012	NSYSIMP20	NSYVR20	NSYTVR20
2000	1200	600	NSYSPF12100	NSYSPS6100	NSYSPF12200	NSYSPS6200	NSYMP2012	NSYSIMP20	NSYVR20	NSYTVR20
2000	1600	400	NSYSPF16100	NSYSPS4100	NSYSPF16200	NSYSPS4200	NSYMP2016	NSYSIMP20	NSYVR20	NSYTVR20
2000	1600	500	NSYSPF16100	NSYSPS5100	NSYSPF16200	NSYSPS5200	NSYMP2016	NSYSIMP20	NSYVR20	NSYTVR20
2000	1600	600	NSYSPF16100	NSYSPS6100	NSYSPF16200	NSYSPS6200	NSYMP2016	NSYSIMP20	NSYVR20	NSYTVR20
2200	400	600	NSYSPF4100	NSYSPS6100	NSYSPF4200	NSYSPS6200	-	-	NSYVR22	NSYTVR22
2200	600	600	NSYSPF6100	NSYSPS6100	NSYSPF6200	NSYSPS6200	NSYMP226	NSYSIMP22	NSYVR22	NSYTVR22
2200	600	800	NSYSPF6100	NSYSPS8100	NSYSPF6200	NSYSPS8200	NSYMP226	NSYSIMP22	NSYVR22	NSYTVR22
2200	800	600	NSYSPF8100	NSYSPS6100	NSYSPF8200	NSYSPS6200	NSYMP228	NSYSIMP22	NSYVR22	NSYTVR22
2200	800	800	NSYSPF8100	NSYSPS8100	NSYSPF8200	NSYSPS8200	NSYMP228	NSYSIMP22	NSYVR22	NSYTVR22
2200	1000	600	NSYSPF10100	NSYSPS6100	NSYSPF10200	NSYSPS6200	NSYMP2210	NSYSIMP22	NSYVR22	NSYTVR22
2200	1200	600	NSYSPF12100	NSYSPS6100	NSYSPF12200	NSYSPS6200	NSYMP2212	NSYSIMP22	NSYVR22	NSYTVR22
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Document pocket
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Door switch
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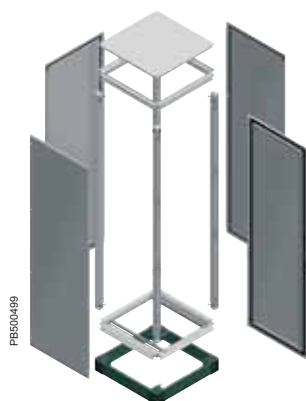
Locks and lock inserts
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Cross rails
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Cable management
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Suitable metal enclosures

Supplied as a kit



Basic composition

For the construction of a suitable metal enclosure, the following must be ordered separately:

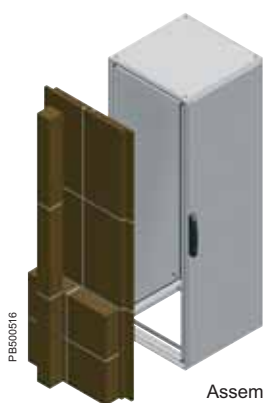
- Galvanised-steel structure, with a single laser-welded profile:
 - Bottom and top frame with roof.
 - Set of 4 vertical uprights.
- Sheet-steel panels, painted with epoxy-polyester resin, textured RAL7035 grey:
 - Rear panel to be screwed on from the outside.
 - Plain door, single or double, with hinges, catches for the locking bars and reinforcement frame, made up of two vertical uprights and two height-adjustable door cross rails.
 - Transparent Securit® glass door, with hinges and catches for the locking bars.
- Further options:
- Composition accessories such as:
 - Plinths with heights of 100 and 200 mm.
 - Cable-entry plate, plain, with 1 entry and 2 entries.
 - Lifting accessories, door equipment, enclosure suites.
 - Lighting accessories.
 - Ventilation systems, etc.
- Mounting accessories.
- Cable management accessories.
- Power distribution accessories.
- Modular distribution accessories.
- Lighting accessories.
- Aeration, ventilation and air-conditioning systems.

Certifications

- BV, DNV, UL*, CUL.
- *1 Door.- 1, 12, 12K
- *2 Doors.- 1, 12, 12K

Advantages of the kit formula

- Very short structure assembly time: only 15 minutes, with the attachment of 8 screws.
- Reduction of the required working surface.
- Reduction of the volume required for transport and storage.
- Possibility of working on the panels and assembling the enclosure directly before cabling.
- Possibility of having spare panels.
- Great freedom for creating your own enclosure, combining all the available elements.



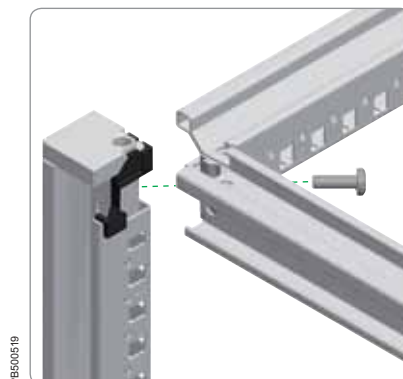
Supply in kit form

Assembled supply

Suitable metal enclosures

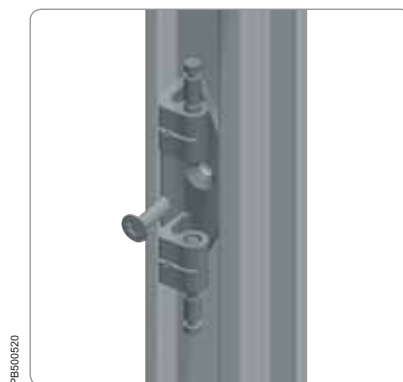
Supplied as a kit

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.



PB5000519

Fixing of the hinges and the catches of the locking bar on the vertical uprights. Door installation inserting the captive pins of the hinge in their housing in the door.



PB5000520



PB5000521

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



PB5000522

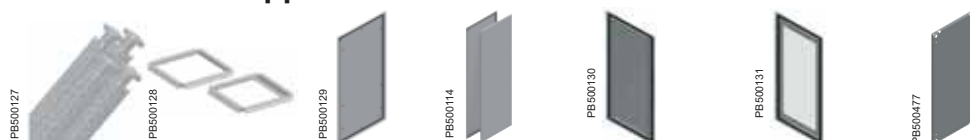
Screwing the panel on using captive screws, screwed directly onto the structure.



PB5000483

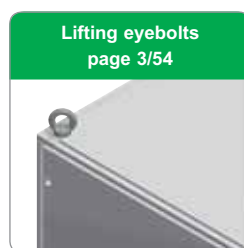
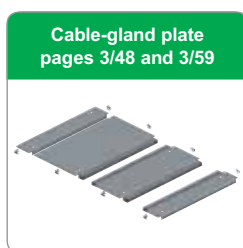
Suitable metal enclosures

Supplied as a kit



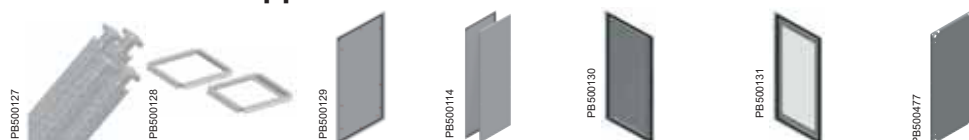
Nominal dimensions (mm)			No. of doors	Vertical uprights	Bottom frame and top frame with roof	Rear panel	Side panels	Plain door (1)	Transparent door (Securit® glass) (1)	Mounting plate
Height (A)	Width (B)	Depth (C)		Painted with epoxy-polyester resin, textured RAL 7035						
1200	600	400	1	NSYSFV12	NSYSFC64	NSYBP126	NSY2SP124	NSYSFD126	NSYSFD126T	NSYMP126
1200	600	500	1	NSYSFV12	NSYSFC65	NSYBP126	NSY2SP125	NSYSFD126	NSYSFD126T	NSYMP126
1200	600	600	1	NSYSFV12	NSYSFC66	NSYBP126	NSY2SP126	NSYSFD126	NSYSFD126T	NSYMP126
1200	600	800	1	NSYSFV12	NSYSFC68	NSYBP126	NSY2SP128	NSYSFD126	NSYSFD126T	NSYMP126
1200	800	400	1	NSYSFV12	NSYSFC84	NSYBP128	NSY2SP124	NSYSFD128	NSYSFD128T	NSYMP128
1200	800	500	1	NSYSFV12	NSYSFC85	NSYBP128	NSY2SP125	NSYSFD128	NSYSFD128T	NSYMP128
1200	800	600	1	NSYSFV12	NSYSFC86	NSYBP128	NSY2SP126	NSYSFD128	NSYSFD128T	NSYMP128
1200	800	800	1	NSYSFV12	NSYSFC88	NSYBP128	NSY2SP128	NSYSFD128	NSYSFD128T	NSYMP128
1400	600	400	1	NSYSFV14	NSYSFC64	NSYBP146	NSY2SP144	NSYSFD146	NSYSFD146T	NSYMP146
1400	600	500	1	NSYSFV14	NSYSFC65	NSYBP146	NSY2SP145	NSYSFD146	NSYSFD146T	NSYMP146
1400	600	600	1	NSYSFV14	NSYSFC66	NSYBP146	NSY2SP146	NSYSFD146	NSYSFD146T	NSYMP146
1400	600	800	1	NSYSFV14	NSYSFC68	NSYBP146	NSY2SP148	NSYSFD146	NSYSFD146T	NSYMP146
1400	800	400	1	NSYSFV14	NSYSFC84	NSYBP148	NSY2SP144	NSYSFD148	NSYSFD148T	NSYMP148
1400	800	500	1	NSYSFV14	NSYSFC85	NSYBP148	NSY2SP145	NSYSFD148	NSYSFD148T	NSYMP148
1400	800	600	1	NSYSFV14	NSYSFC86	NSYBP148	NSY2SP146	NSYSFD148	NSYSFD148T	NSYMP148
1400	800	800	1	NSYSFV14	NSYSFC88	NSYBP148	NSY2SP148	NSYSFD148	NSYSFD148T	NSYMP148
1600	600	400	1	NSYSFV16	NSYSFC64	NSYBP166	NSY2SP164	NSYSFD166	NSYSFD166T	NSYMP166
1600	600	500	1	NSYSFV16	NSYSFC65	NSYBP166	NSY2SP165	NSYSFD166	NSYSFD166T	NSYMP166
1600	600	600	1	NSYSFV16	NSYSFC66	NSYBP166	NSY2SP166	NSYSFD166	NSYSFD166T	NSYMP166
1600	600	800	1	NSYSFV16	NSYSFC68	NSYBP166	NSY2SP168	NSYSFD166	NSYSFD166T	NSYMP166
1600	800	400	1	NSYSFV16	NSYSFC84	NSYBP168	NSY2SP164	NSYSFD168	NSYSFD168T	NSYMP168
1600	800	500	1	NSYSFV16	NSYSFC85	NSYBP168	NSY2SP165	NSYSFD168	NSYSFD168T	NSYMP168
1600	800	600	1	NSYSFV16	NSYSFC86	NSYBP168	NSY2SP166	NSYSFD168	NSYSFD168T	NSYMP168
1600	800	800	1	NSYSFV16	NSYSFC88	NSYBP168	NSY2SP168	NSYSFD168	NSYSFD168T	NSYMP168
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1800	400	600	1	NSYSFV18	NSYSFC46	NSYBP184	NSY2SP186	NSYSFD184	-	-
1800	400	800	1	NSYSFV18	NSYSFC48	NSYBP184	NSY2SP188	NSYSFD184	-	-
1800	600	400	1	NSYSFV18	NSYSFC64	NSYBP186	NSY2SP184	NSYSFD186	NSYSFD186T	NSYMP186
1800	600	500	1	NSYSFV18	NSYSFC65	NSYBP186	NSY2SP185	NSYSFD186	NSYSFD186T	NSYMP186
1800	600	600	1	NSYSFV18	NSYSFC66	NSYBP186	NSY2SP186	NSYSFD186	NSYSFD186T	NSYMP186
1800	600	800	1	NSYSFV18	NSYSFC68	NSYBP186	NSY2SP188	NSYSFD186	NSYSFD186T	NSYMP186
1800	800	400	1	NSYSFV18	NSYSFC84	NSYBP188	NSY2SP184	NSYSFD188	NSYSFD188T	NSYMP188
1800	800	500	1	NSYSFV18	NSYSFC85	NSYBP188	NSY2SP185	NSYSFD188	NSYSFD188T	NSYMP188
1800	800	600	1	NSYSFV18	NSYSFC86	NSYBP188	NSY2SP186	NSYSFD188	NSYSFD188T	NSYMP188
1800	800	600	2	NSYSFV18	NSYSFC86	NSYBP188	NSY2SP186	NSYSFD1882D	-	NSYMP188
1800	800	800	1	NSYSFV18	NSYSFC88	NSYBP188	NSY2SP188	NSYSFD188	NSYSFD188T	NSYMP188
1800	800	800	2	NSYSFV18	NSYSFC88	NSYBP188	NSY2SP188	NSYSFD1882D	-	NSYMP188
1800	1000	400	1	NSYSFV18	NSYSFC104	NSYBP1810	NSY2SP184	NSYSFD1810	NSYSFD1810T	NSYMP1810
1800	1000	400	2	NSYSFV18	NSYSFC104	NSYBP1810	NSY2SP184	NSYSFD18102D	-	NSYMP1810
1800	1000	500	1	NSYSFV18	NSYSFC105	NSYBP1810	NSY2SP185	NSYSFD1810	NSYSFD1810T	NSYMP1810
1800	1000	600	1	NSYSFV18	NSYSFC106	NSYBP1810	NSY2SP186	NSYSFD1810	NSYSFD1810T	NSYMP1810
1800	1000	600	2	NSYSFV18	NSYSFC106	NSYBP1810	NSY2SP186	NSYSFD18102D	-	NSYMP1810
1800	1000	800	1	NSYSFV18	NSYSFC108	NSYBP1810	NSY2SP188	NSYSFD1810	NSYSFD1810T	NSYMP1810
1800	1000	800	2	NSYSFV18	NSYSFC108	NSYBP1810	NSY2SP188	NSYSFD18102D	-	NSYMP1810
1800	1200	400	2	NSYSFV18	NSYSFC124	NSYBP1812	NSY2SP184	NSYSFD18122D	NSYSFD18122DT	NSYMP1812
1800	1200	500	2	NSYSFV18	NSYSFC125	NSYBP1812	NSY2SP185	NSYSFD18122D	NSYSFD18122DT	NSYMP1812
1800	1200	600	2	NSYSFV18	NSYSFC126	NSYBP1812	NSY2SP186	NSYSFD18122D	NSYSFD18122DT	NSYMP1812
1800	1200	800	2	NSYSFV18	NSYSFC128	NSYBP1812	NSY2SP188	NSYSFD18122D	NSYSFD18122DT	NSYMP1812

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



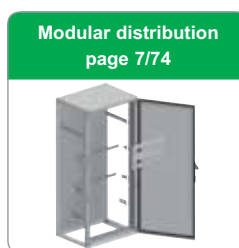
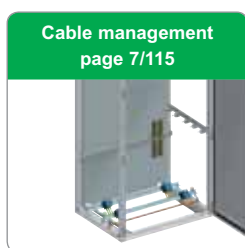
Suitable metal enclosures

Supplied as a kit



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)	Mounting plate
Height (A)	Width (B)	Depth (C)		Painted with epoxy-polyester resin, textured RAL 7035						
2000	300	500	1	NSYSFV20	NSYSFC35	NSYBP203	NSY2SP205	NSYSFD203	-	-
2000	300	600	1	NSYSFV20	NSYSFC36	NSYBP203	NSY2SP206	NSYSFD203	-	-
2000	400	400	1	NSYSFV20	NSYSFC44	NSYBP204	NSY2SP204	NSYSFD204	-	-
2000	400	500	1	NSYSFV20	NSYSFC45	NSYBP204	NSY2SP205	NSYSFD204	-	-
2000	400	600	1	NSYSFV20	NSYSFC46	NSYBP204	NSY2SP206	NSYSFD204	-	-
2000	400	800	1	NSYSFV20	NSYSFC48	NSYBP204	NSY2SP208	NSYSFD204	-	-
2000	600	400	1	NSYSFV20	NSYSFC64	NSYBP206	NSY2SP204	NSYSFD206	NSYSFD206T	NSYMP206
2000	600	500	1	NSYSFV20	NSYSFC65	NSYBP206	NSY2SP205	NSYSFD206	NSYSFD206T	NSYMP206
2000	600	600	1	NSYSFV20	NSYSFC66	NSYBP206	NSY2SP206	NSYSFD206	NSYSFD206T	NSYMP206
2000	600	800	1	NSYSFV20	NSYSFC68	NSYBP206	NSY2SP208	NSYSFD206	NSYSFD206T	NSYMP206
2000	800	400	1	NSYSFV20	NSYSFC84	NSYBP208	NSY2SP204	NSYSFD208	NSYSFD208T	NSYMP208
2000	800	500	1	NSYSFV20	NSYSFC85	NSYBP208	NSY2SP205	NSYSFD208	NSYSFD208T	NSYMP208
2000	800	600	1	NSYSFV20	NSYSFC86	NSYBP208	NSY2SP206	NSYSFD208	NSYSFD208T	NSYMP208
2000	800	600	2	NSYSFV20	NSYSFC86	NSYBP208	NSY2SP206	NSYSFD2082D	-	NSYMP208
2000	800	800	1	NSYSFV20	NSYSFC88	NSYBP208	NSY2SP208	NSYSFD208	NSYSFD208T	NSYMP208
2000	800	800	2	NSYSFV20	NSYSFC88	NSYBP208	NSY2SP208	NSYSFD2082D	-	NSYMP208
2000	1000	400	1	NSYSFV20	NSYSFC104	NSYBP210	NSY2SP204	NSYSFD210	NSYSFD210T	NSYMP210
2000	1000	400	2	NSYSFV20	NSYSFC104	NSYBP210	NSY2SP204	NSYSFD2102D	-	NSYMP210
2000	1000	500	1	NSYSFV20	NSYSFC105	NSYBP210	NSY2SP205	NSYSFD210	NSYSFD210T	NSYMP210
2000	1000	500	2	NSYSFV20	NSYSFC105	NSYBP210	NSY2SP205	NSYSFD2102D	-	NSYMP210
2000	1000	600	1	NSYSFV20	NSYSFC106	NSYBP210	NSY2SP206	NSYSFD210	NSYSFD210T	NSYMP210
2000	1000	600	2	NSYSFV20	NSYSFC106	NSYBP210	NSY2SP206	NSYSFD2102D	-	NSYMP210
2000	1000	800	1	NSYSFV20	NSYSFC108	NSYBP210	NSY2SP208	NSYSFD210	NSYSFD210T	NSYMP210
2000	1000	800	2	NSYSFV20	NSYSFC108	NSYBP210	NSY2SP208	NSYSFD2102D	-	NSYMP210
2000	1200	400	2	NSYSFV20	NSYSFC124	NSYBP212	NSY2SP204	NSYSFD2122D	NSYSFD2122DT	NSYMP212
2000	1200	500	2	NSYSFV20	NSYSFC125	NSYBP212	NSY2SP205	NSYSFD2122D	NSYSFD2122DT	NSYMP212
2000	1200	600	2	NSYSFV20	NSYSFC126	NSYBP212	NSY2SP206	NSYSFD2122D	NSYSFD2122DT	NSYMP212
2000	1200	800	2	NSYSFV20	NSYSFC128	NSYBP212	NSY2SP208	NSYSFD2122D	NSYSFD2122DT	NSYMP212
2000	1600	400	2	NSYSFV20	NSYSFC164	NSYBP216	NSY2SP204	NSYSFD2162D	-	NSYMP216
2000	1600	500	2	NSYSFV20	NSYSFC165	NSYBP216	NSY2SP205	NSYSFD2162D	-	NSYMP216
2000	1600	600	2	NSYSFV20	NSYSFC166	NSYBP216	NSY2SP206	NSYSFD2162D	-	NSYMP216
2200	400	400	1	NSYSFV22	NSYSFC44	NSYBP224	NSY2SP224	NSYSFD224	-	-
2200	400	500	1	NSYSFV22	NSYSFC45	NSYBP224	NSY2SP225	NSYSFD224	-	-
2200	400	600	1	NSYSFV22	NSYSFC46	NSYBP224	NSY2SP226	NSYSFD224	-	-
2200	400	800	1	NSYSFV22	NSYSFC48	NSYBP224	NSY2SP228	NSYSFD224	-	-
2200	600	400	1	NSYSFV22	NSYSFC64	NSYBP226	NSY2SP224	NSYSFD226	NSYSFD226T	NSYMP226
2200	600	500	1	NSYSFV22	NSYSFC65	NSYBP226	NSY2SP225	NSYSFD226	NSYSFD226T	NSYMP226
2200	600	600	1	NSYSFV22	NSYSFC66	NSYBP226	NSY2SP226	NSYSFD226	NSYSFD226T	NSYMP226
2200	600	800	1	NSYSFV22	NSYSFC68	NSYBP226	NSY2SP228	NSYSFD226	NSYSFD226T	NSYMP226
2200	800	400	1	NSYSFV22	NSYSFC84	NSYBP228	NSY2SP224	NSYSFD228	NSYSFD228T	NSYMP228
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2200	1000	500	1	NSYSFV22	NSYSFC105	NSYBP2210	NSY2SP225	NSYSFD2210	NSYSFD2210T	NSYMP2210
2200	1000	600	1	NSYSFV22	NSYSFC106	NSYBP2210	NSY2SP226	NSYSFD2210	NSYSFD2210T	NSYMP2210
2200	1000	800	1	NSYSFV22	NSYSFC108	NSYBP2210	NSY2SP228	NSYSFD2210	NSYSFD2210T	NSYMP2210
2200	1200	400	2	NSYSFV22	NSYSFC124	NSYBP2212	NSY2SP224	NSYSFD22122D	NSYSFD22122DT	NSYMP2212
2200	1200	500	2	NSYSFV22	NSYSFC125	NSYBP2212	NSY2SP225	NSYSFD22122D	NSYSFD22122DT	NSYMP2212
2200	1200	600	2	NSYSFV22	NSYSFC126	NSYBP2212	NSY2SP226	NSYSFD22122D	NSYSFD22122DT	NSYMP2212
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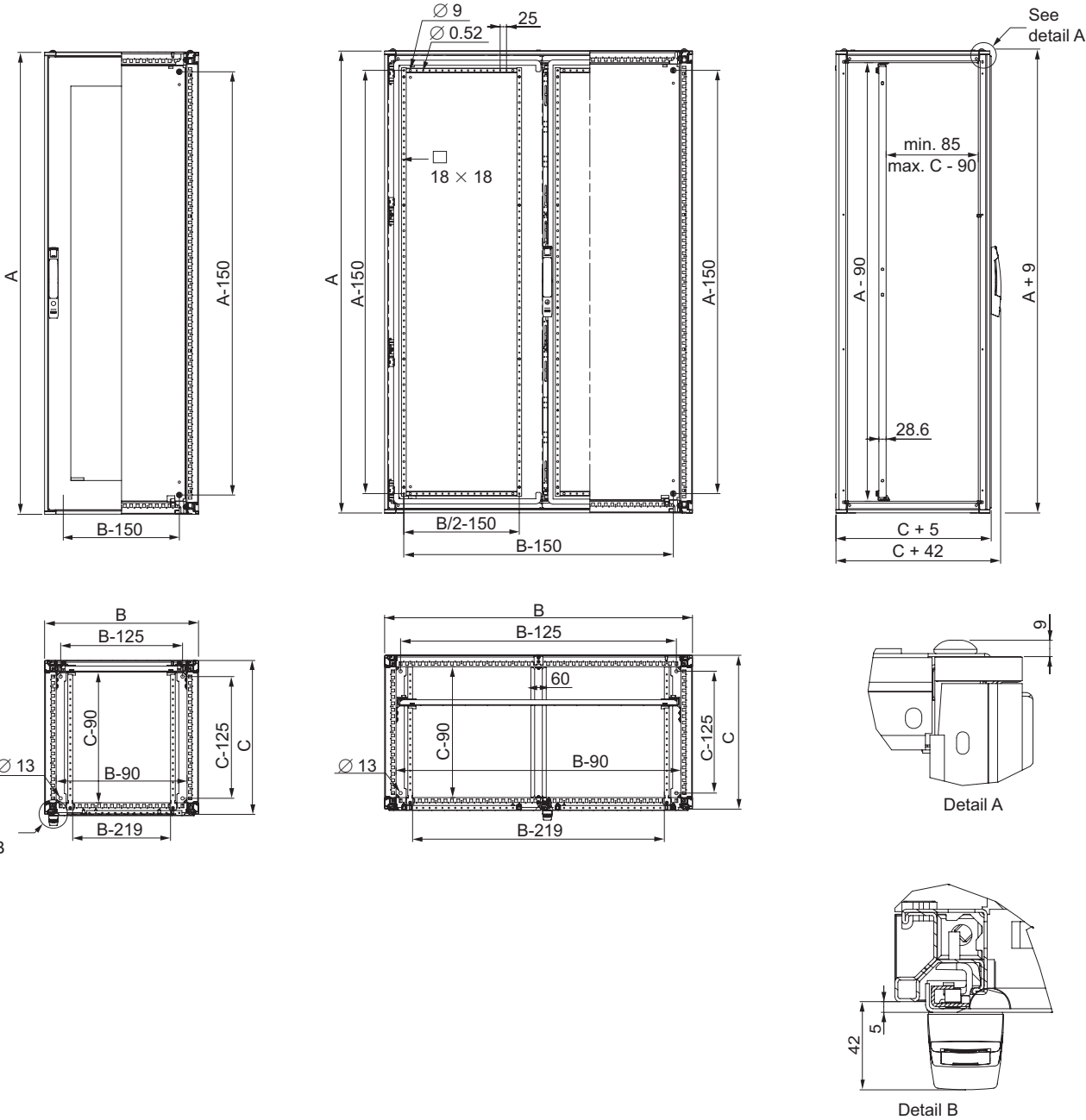
(1) Hinges, locking bar catches and handle with 5-mm double-bar insert included.



Suitable metal enclosures

Dimensions

Dimensions



Composition accessories

Panels



Side panels

External fixing

- Set of 2 side panels fixed from the outside of the enclosure.
- Captive screws.
- Material: steel.
- Finish: painted with epoxy-polyester resin, textured RAL 7035 grey.

 Supply: 2 side panels fixed from the outside and fixing elements.

Nominal dimensions (mm)		Reference
Height	Depth	
1200	400	NSY2SP124
	500	NSY2SP125
	600	NSY2SP126
	800	NSY2SP128
1400	400	NSY2SP144
	500	NSY2SP145
	600	NSY2SP146
	800	NSY2SP148
1600	400	NSY2SP164
	500	NSY2SP165
	600	NSY2SP166
	800	NSY2SP168
1800	400	NSY2SP184
	500	NSY2SP185
	600	NSY2SP186
	800	NSY2SP188
2000	400	NSY2SP204
	500	NSY2SP205
	600	NSY2SP206
	800	NSY2SP208
2200	400	NSY2SP224
	500	NSY2SP225
	600	NSY2SP226
	800	NSY2SP228



Trim cap

- Trim cap for external fixing panels, both side and rear.
- Material: polyamide 6.
- Finish: RAL 7035 grey.

 Supply: 50 units.

 Reference by unit. Order by multiples of 50 (50, 100, 150...).

Reference
NSYCSP

Composition accessories

Panels

Side panels

Internal fixing

- Set of 2 side panels fixed from the inside of the enclosure, preventing access by unauthorised persons. Very useful in public spaces.
- Material: steel.
- Finish: painted with epoxy-polyester resin, textured RAL 7035 grey.



Supply: 2 side panels with internal fixing, with sealing gasket and bag of accessories.

Nominal dimensions (mm)		Reference
Height	Depth	
1200	600	NSY2SPI126
	500	NSY2SPI185
1800	600	NSY2SPI186
	800	NSY2SPI188
2000	400	NSY2SPI204
	500	NSY2SPI205
	600	NSY2SPI206
	800	NSY2SPI208
2200	600	NSY2SPI226
	800	NSY2SPI228



3

> Advantage:

They prevent access by unauthorised persons; advisable for use in public spaces.

Quick-fixing side panels

- Set of 2 side panels fixed to the outside of the enclosure by clipping locks.
- Material: steel.
- Finish: painted with epoxy-polyester resin, textured RAL 7035 grey.
- IP40.



Supply: 2 side panels, fixed by clips, with no sealing gasket and fixing elements.

Nominal dimensions (mm)		Reference
Height	Depth	
1200	600	NSY2SPQ126
	800	NSY2SPQ128
1400	600	NSY2SPQ146
	800	NSY2SPQ148
1600	600	NSY2SPQ166
	800	NSY2SPQ168
1800	600	NSY2SPQ186
	800	NSY2SPQ188
2000	600	NSY2SPQ206
	800	NSY2SPQ208
2200	600	NSY2SPQ226
	800	NSY2SPQ228



> Advantage:

Quick access to the inside of the enclosure.



PB500129

> Advantage:
It prevents access by unauthorised persons;
advisable for use in public spaces.

Internal fixing rear panel

- Rear panel fixed from the inside of the enclosure, preventing unauthorised personnel from accessing and removing it. Normally used in public spaces.
- Material: steel.
- Finish: painted with epoxy-polyester resin, textured RAL 7035 grey.

 Supply: 1 rear panel fixed from the inside and fixing elements.

Nominal dimensions (mm)		Reference
Height	Width	
1200	600	NSYBPI126
	600	NSYBPI166
1600	800	NSYBPI168
	600	NSYBPI186
1800	800	NSYBPI188
	1000	NSYBPI1810
	400	NSYBPI204
2000	600	NSYBPI206
	800	NSYBPI208
	1000	NSYBPI2010
	1200	NSYBPI2012
2200	600	NSYBPI226
	800	NSYBPI228
	1000	NSYBPI2210

3



PB500528

Partition panel

- Partition panel for direct fixing to the structure, guarantees a water/dustproof protection of IP10 between enclosure suites.
- Material: galvanised steel.

 Supply: 1 partition panel, sealing gasket and fixing elements.

Nominal dimensions (mm)		Reference
Height	Depth	
1600	600	NSYPPS166
	800	NSYPPS168
1800	400	NSYPPS184
	500	NSYPPS185
	600	NSYPPS186
2000	400	NSYPPS204
	500	NSYPPS205
	600	NSYPPS206
	800	NSYPPS208
2200	600	NSYPPS226
	800	NSYPPS228

Composition accessories

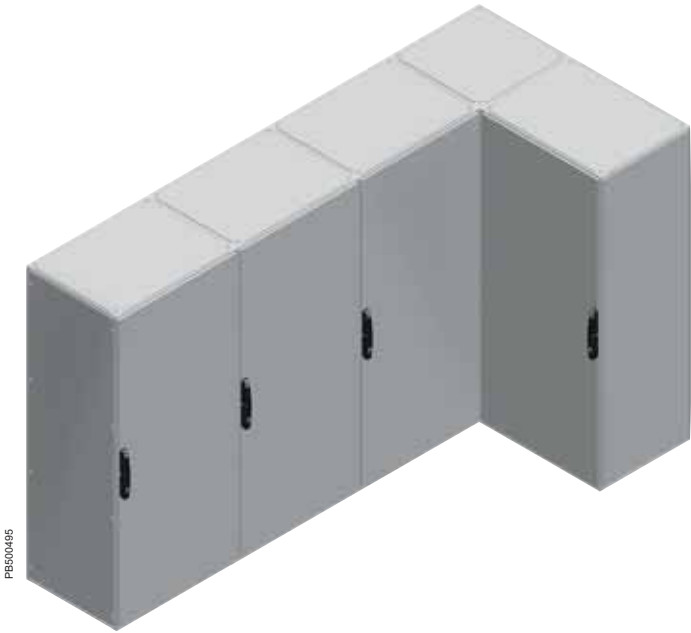
Enclosure suites

Combination examples with Spacial SF

The construction design of the enclosures is based on forming sets of enclosures. Thanks to the speed and ease with which enclosures can be coupled in the width and depth directions, and the elements created especially to facilitate joining and transporting them, we can provide the best solution for every electric installation. The connecting parts are fixed to the enclosures using self-tapping M6 screws, although if necessary they can be installed using M6 and M8 caged nuts **NSYCNFM6, NSYCNFM8**.

Combination examples	References
Standard + reinforced coupling kit	NSYSFBK + NSYSFBKR
19" + reinforced coupling kit	NSYSFBK19 + NSYSFBKR
External + reinforced coupling kit	NSYSFBKE + NSYSFBKR
External + quick coupling kit	NSYSFBKE + NSYSFBKF

Note: maximum load under optimum conditions. See other options in the lifting and transport table page 3/55.



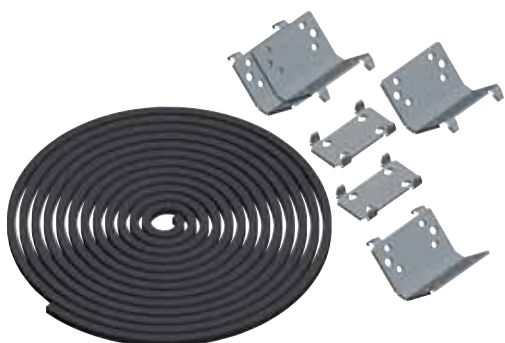
> Advantage:

Multiple assembly options, adapting to all needs.

Composition accessories

Enclosure suites

PB500513



Standard coupling kit

- Used for joining enclosures side-to-side or depthwise.
- Fixing from the inside of the enclosures.
- Degree of protection: IP55.
- Material:
 - Flat connectors and brackets: zinc-coated steel.
 - Sealing gasket: EPDM.

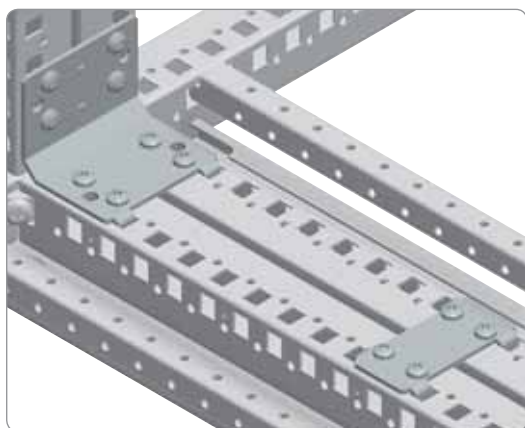


Supply: 4 brackets, 2 flat connectors, sealing gasket and fixing elements.

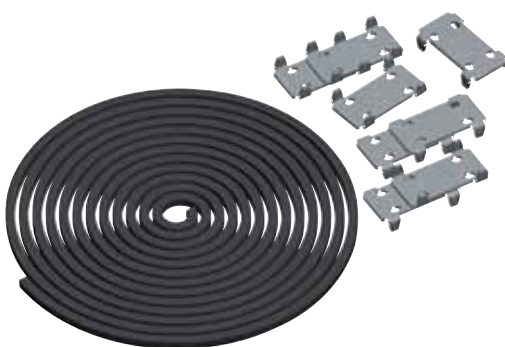
Reference

NSYSFBK

PB500530



PB500531



Swing 19" rack coupling kit

- Used for joining enclosures equipped with swing 19" rack, side-to-side or depthwise.
- Fixing from the inside of the enclosures.
- Degree of protection: IP55.
- Material:
 - Flat connectors: zinc-coated steel.
 - Sealing gasket: EPDM.



Supply: 8 flat connectors, sealing gasket and fixing elements.

Reference

NSYSFBK19

PB500532



Composition accessories

Enclosure suites

PB500533



Reinforced coupling

- 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.
- Material: zinc-coated steel.



Supply: 4 reinforced connectors and fixing elements.

Reference

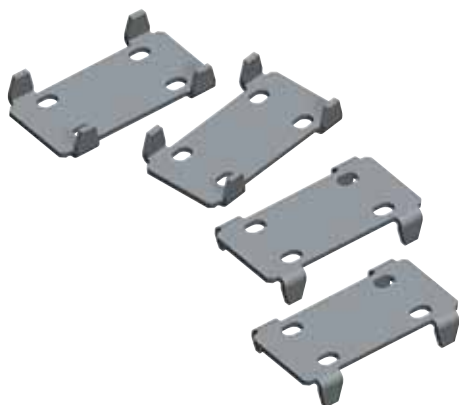
NSYSFBKR

3

PB500534



PB500535



Quick coupling

- Used for quickly joining 2 enclosures.
- Fixing from the inside of the enclosures.
- Recommended for coupling enclosures in their provisional workshop location, when the required IP degree is not high.
- Degree of protection: IP40.
- Material: zinc-coated steel.



Supply: 4 flat links and fixing elements.

Reference

NSYSFBKF

PB500532



Composition accessories

Enclosure suites

Kit for coupling the previous version with Spacial SF

- 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.
- Degree of protection: IP55.
- Material:
 - Flat connectors and spacers: zinc-coated steel.
 - Sealing gasket: EPDM.



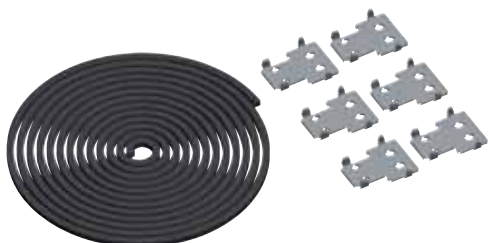
Supply: 6 flat connectors, sealing gasket and fixing elements.

Reference

NSYSFBKSH

3

PB500536



PB500537



External coupling

- Allows two enclosures to be joined by their structure.
- To be used with the standard coupling kit in those cases where front and back uprights are not accesibles.
- The mounting plate or vertical uprights fixed to the back of the enclosure prevent the assembly and dismantling of the kit.
- It can be combined with the reinforced or the quick coupling kit.
- Degree of protection: IP55.
- Material:
 - External connectors: zinc-coated steel.
 - Sealing gasket: EPDM.



Supply: 4 external connectors and fixing elements.

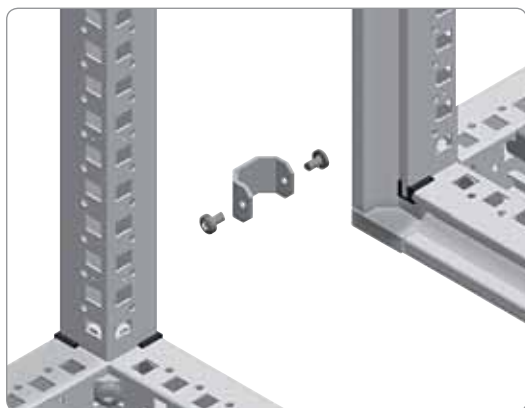
Reference

NSYSFBKE

PB500538



PB500539





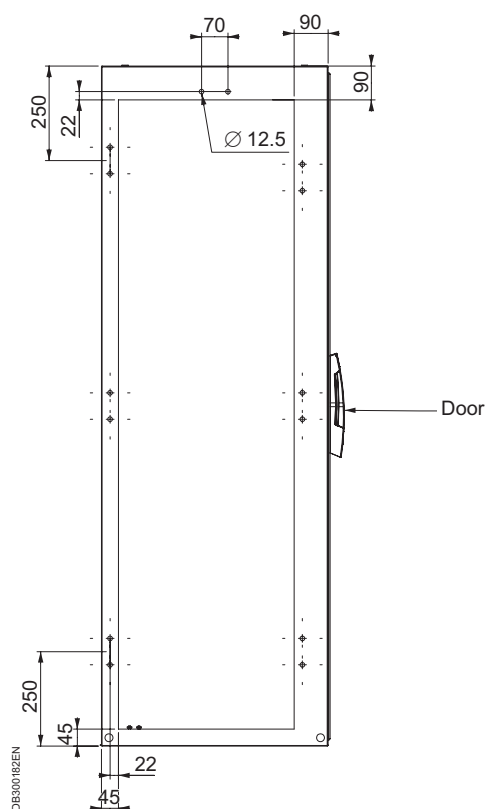
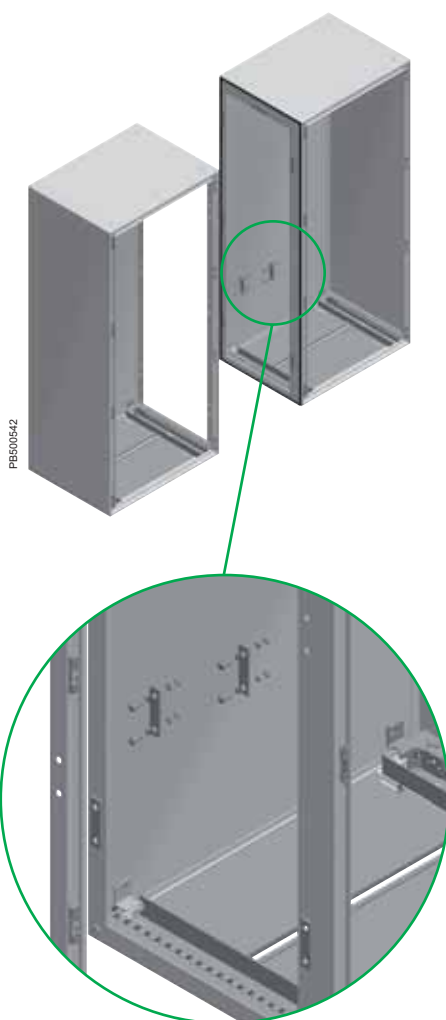
Enclosure coupling kit for Spacial SM

- Used for joining enclosures side-to-side.
- Enclosures fixed from the inside.
- Degree of protection: IP55.
- Material:
- 9 × 11 sealing gasket: EPDM.



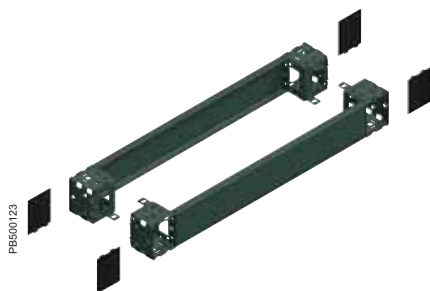
Supply: 1 sealing gasket and fixing elements.

Reference
NSYSMBK



Plinth in kit form

Front and rear kit



Plinth height 100 mm

+

Side panels

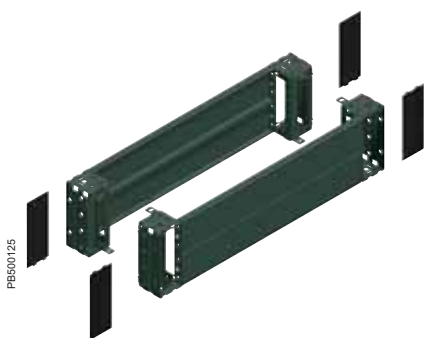


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Complete plinth

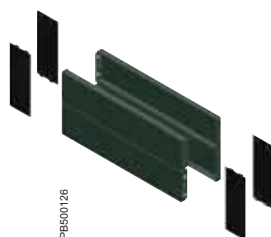


PB500330



Plinth height 200 mm

+



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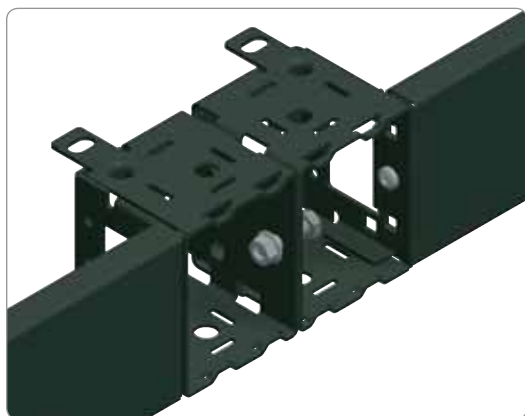


PB500544

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.

> Advantage:

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

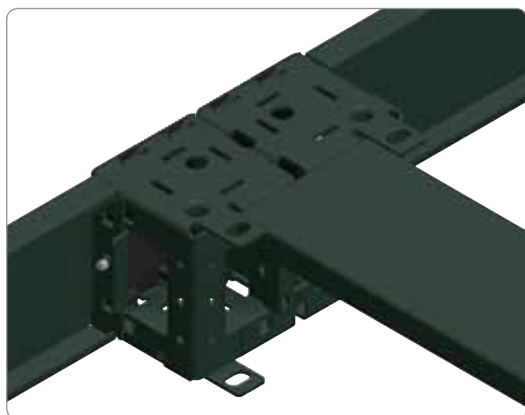


Possibility of joining plinths

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

> Advantage:

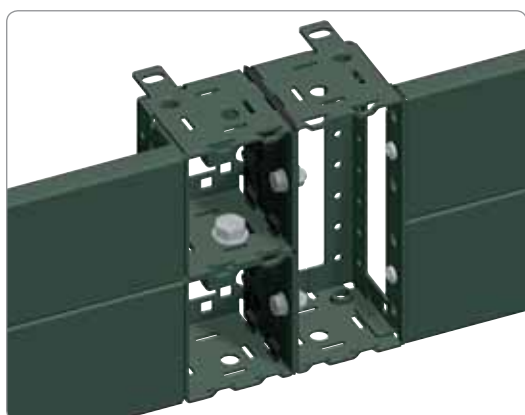
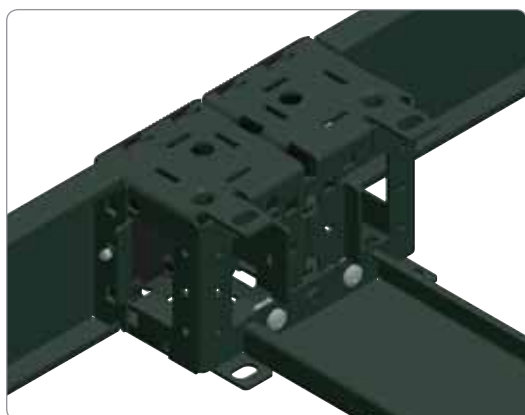
Longitudinally free space for passing cables.
Greater rigidity of the resultant assembly unit.



- ❷ 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.

> Advantage:

Improves rigidity in the depthwise direction during transport.

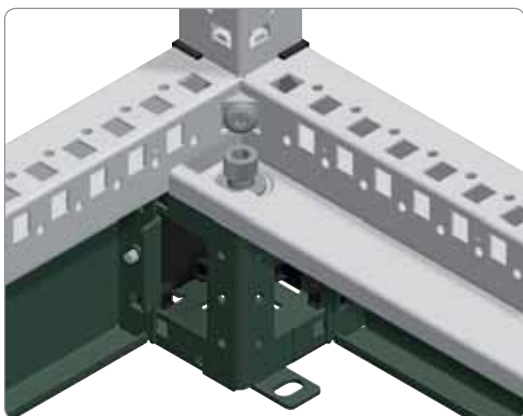


- ❸ Vertical plinth assembly by means of M12 screws and nuts, not included in the standard supply.

> Advantage:

The two heights of corners can be combined.

PB500549



Possibility of fixing the enclosure to the plinth

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

> Advantage:

Fixing convenience and speed.

PB500550

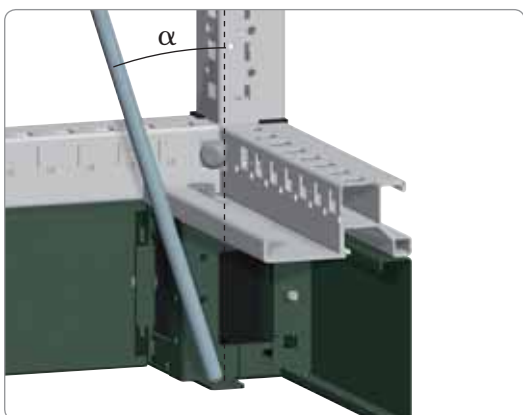


- ❷ Fixing from the outside of the enclosure with a M12 screw, screwing directly onto the vertical upright.

> Advantage:

Maximum rigidity of the enclosure-plinth assembly.

PB500551



Possibility of fixing the plinth to the floor

- ❶ 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 $\alpha = 9^\circ$

PB500552



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

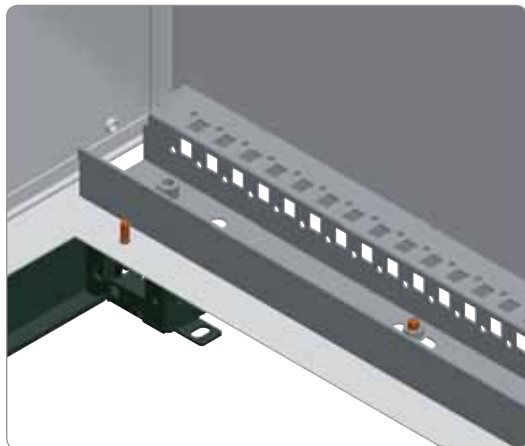
The machining angle varies according to the plinth model:

Plinth height 100 mm $\alpha = 22^\circ$.

Plinth height 200 mm $\alpha = 11^\circ$.

- ❸ 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.

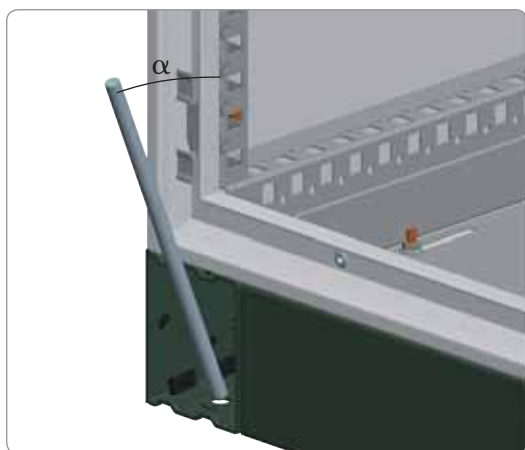


Fixing the enclosure to the plinth

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

> Advantage:

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: $\alpha = 11^\circ$.

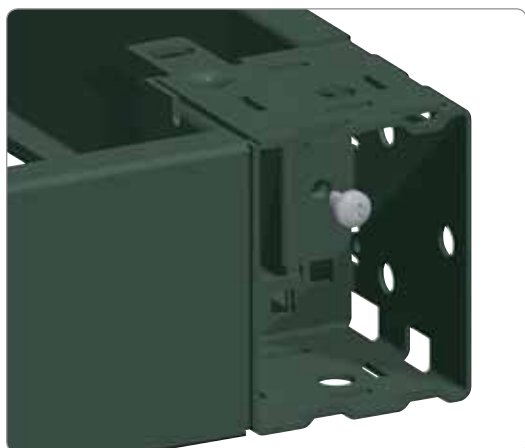
Composition accessories

Floor



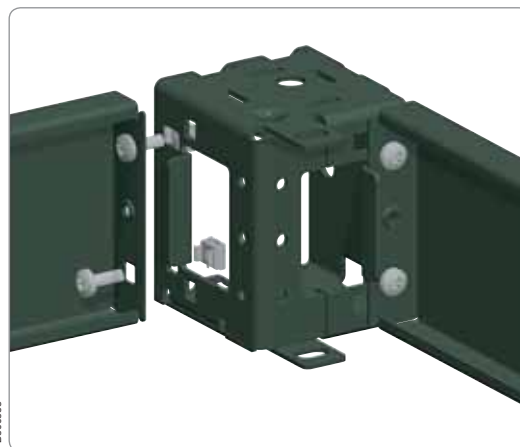
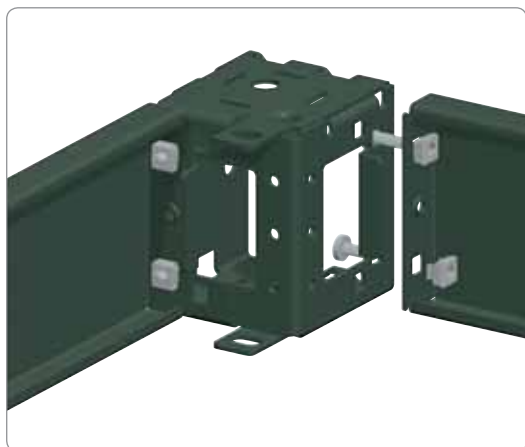
- Thanks to the design of the corners, when the enclosure is installed against the wall, the following is possible:
 - To remove the side panels (turning the corner).
 - To access the external fixing to the floor.

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.



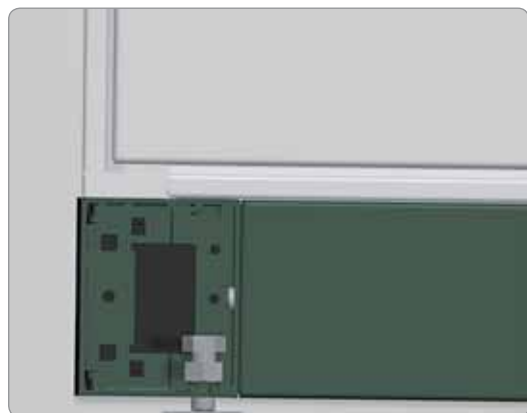
Fixing options

Fixing points can be added to the panels, mounting M6 caged nuts, reference **NSYCN9M625**, at the ends and fixing them to the corner by means of M6 screws, reference **NSYSPM6**.

The plinth can be made tamper-proof; the panels cannot be removed without accessing the inside of the enclosure. For this purpose, they are mounted on the corner with M6 caged nuts, reference **NSYCN9M625**, and the panels are fixed to the corner by means of M6 screws, reference **NSYSPM6**.

Composition accessories

Floor



Levelling the plinth

The plinth allows levelling by means of an M12 screw.

Examples of solutions



Composition accessories

Floor

Front plinth

- The front and rear of the plinth consists of 4 corners with 2 or 4 panels.
- Material: folded sheet steel, corner with a thickness of 2.5 mm.
- Finish: painted with epoxy-polyester resin, RAL 7022 grey.
- Degree of protection: IP30 of the complete plinth.
- Resistance to external mechanical impacts: IK10.
- Maximum load: 1300 kg.
- Model heights: 100 and 200 mm.



- Supply:
- **Height 100 mm:** 4 corners, 2 panels (front and rear), 4 corner covers and fixing elements.
 - **Height 200 mm:** 4 corners, 4 panels (2 front and 2 rear), 4 corner covers and fixing elements.

Nominal dimensions (mm)	Reference	
	100 mm	200 mm
Width		
300	NSYSPF3100	NSYSPF3200
400	NSYSPF4100	NSYSPF4200
600	NSYSPF6100	NSYSPF6200
800	NSYSPF8100	NSYSPF8200
1000	NSYSPF10100	NSYSPF10200
1200	NSYSPF12100	NSYSPF12200
1600	NSYSPF16100	NSYSPF16200

Plinth side panels

- They are fixed to the corner of the plinth by 2 fixing screws.
- Material: folded sheet steel.
- Finish: painted with epoxy-polyester resin, RAL 7022 grey.
- Degree of protection: IP30 of the complete plinth.
- Resistance to external mechanical impacts: IK10.
- Model heights: 100 and 200 mm.

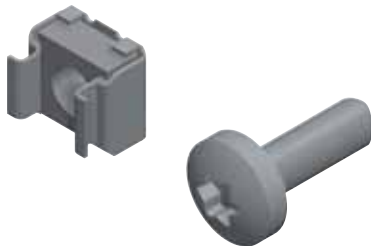
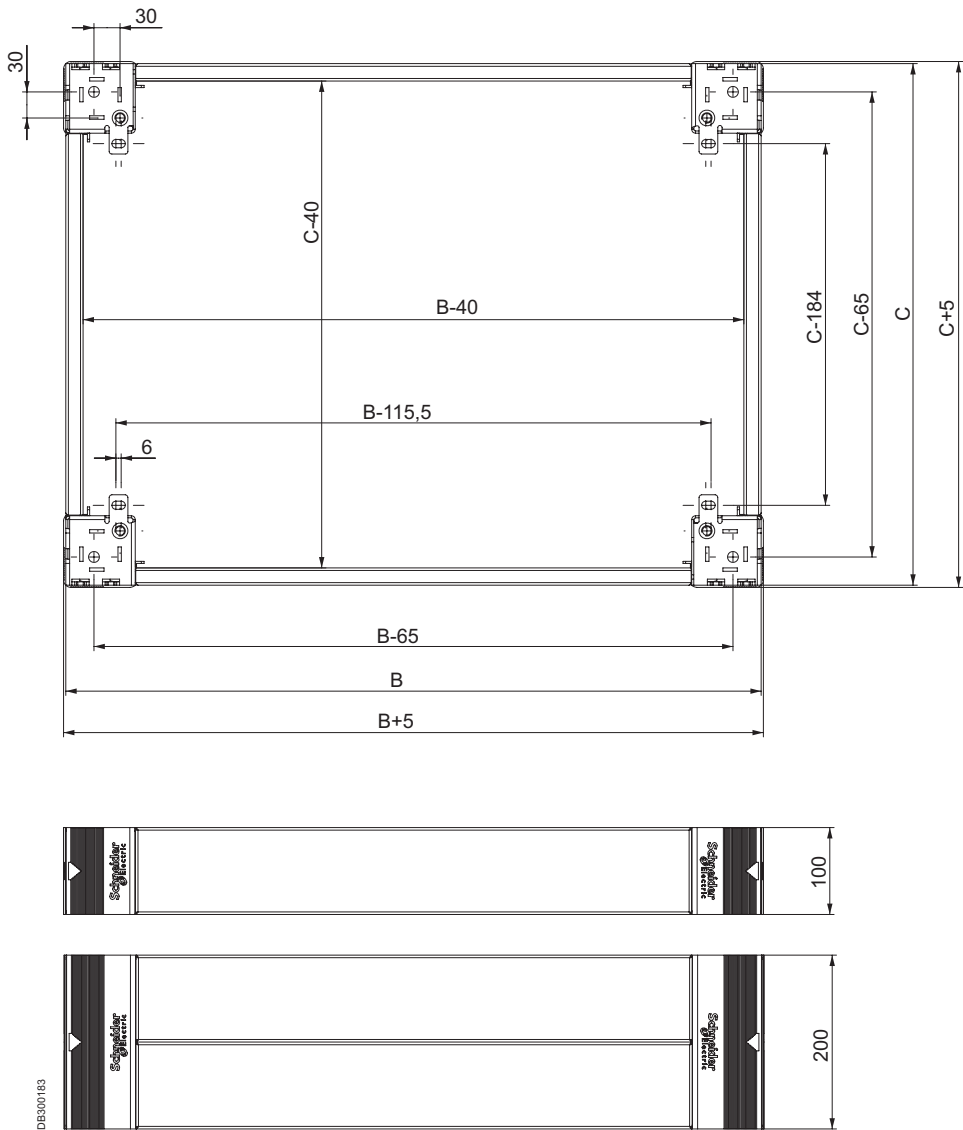


- Supply:
- **Height 100 mm:** 2 side panels, 4 corner covers and fixing elements.
 - **Height 200 mm:** 4 side panels (height of 100 mm, 2 for each side), 4 corner covers and fixing elements.

Nominal dimensions (mm)	Reference	
	100 mm	200 mm
Depth		
300	NSYSPS3100	NSYSPS3200
400	NSYSPS4100	NSYSPS4200
500	NSYSPS5100	NSYSPS5200
600	NSYSPS6100	NSYSPS6200
800	NSYSPS8100	NSYSPS8200

3

General layout of the plinth



Screws and nuts for internal fixing of the plinth panels

- Optional fixings for the panels with M6 screws and caged nuts.
- According to the position of the caged nut, the panels can be made tamper-proof. By accessing the screw, only from the inside of the enclosure. See pages 3/37 and 3/38.
- Valid for all types of panels.

Screws and nuts for internal fixing of plinth panels		
Description	Supply (units)	Reference
Torx T30 M6 × 10 screws	50	NSYSPM6
M6 caged nuts	100	NSYCN9M625

Reference by unit. Order by multiples of 50 (Torx screws) and 100 (Caged nuts).

Composition accessories

Floor

Ventilated front plinth

- The front and rear of the ventilated plinth is made up of 4 corners with 2 front panels.
- Material: folded sheet steel, corner with a thickness of 2.5 mm.
- Finish: painted with epoxy-polyester resin, RAL 7022 grey.
- IP20.
- Resistance to external mechanical impacts: IK10.
- Maximum load: 1300 kg.
- Model height 100 mm.

Supply: height 100 mm: 4 corners, 2 ventilated panels (front and rear), 4 corner covers and fixing elements.

Nominal dimensions (mm)	Reference
Width (B)	Height 100 mm
600	NSYSPFV6100
800	NSYSPFV8100

Ventilated side panels

- They are fixed to the corner of the plinth by fixing screws.
- Material: folded sheet steel.
- Finish: painted with epoxy-polyester resin, RAL 7022 grey.
- IP20.
- They can be combined with front plinths with a height of 200 mm. In this case, 2 sets of ventilated side panels are required.

Supply: height 100 mm: 2 ventilated side panels, 4 corner covers and fixing elements.

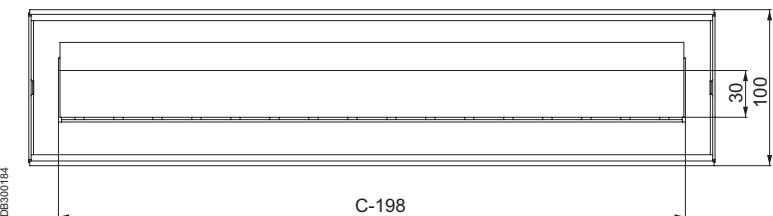
Nominal dimensions (mm)	Reference
Depth (C)	Height 100 mm
600	NSYSPV6100
800	NSYSPV8100

Panels with brush

- They allow the entry and fixing of cables inside the enclosure, through the plinth.
- Attachment to the corners of the plinth by screws.
- Material: folded sheet steel.
- Finish: painted with epoxy-polyester resin, RAL 7022 grey.
- Model heights: 100 mm.

Supply: 2 panels with brushes, 4 corner covers and fixing elements.

Nominal dimensions (mm)	Reference
Depth (C)	
600	NSYSPB6100
800	NSYSPB8100



Composition accessories

Floor

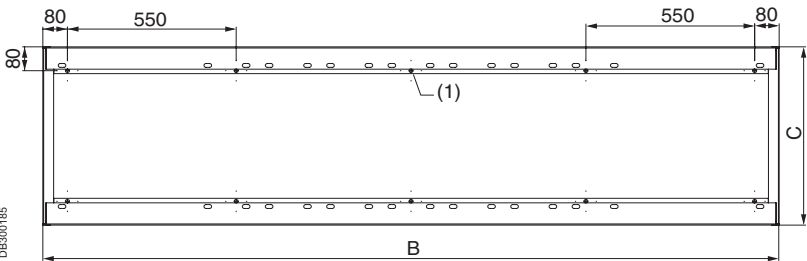
Plinth for sets

- Designed for the assembly of sets of 2 to 4 **Spacial SF** enclosures, joined on a single plinth.
- Made up of a front and rear set with a 3-mm U-shaped profile and one or two sets of side panels, also with a U-shaped profile.
- Material: folded sheet steel.
- Finish: painted with epoxy-polyester resin, RAL 7022 grey.
- Model heights: 100 and 200 mm.

- Supply:
- Front plinth: 2 U-shaped profiles and fixing elements.
 - Side panels:
Height 100 mm: 2 side panels and fixing elements.

Nominal dimensions (mm)	Set front plinth reference	
Width (B)	100 mm	200 mm
1600	NSYSPFC16100	NSYSPFC16200
1800	NSYSPFC18100	NSYSPFC18200
2400	NSYSPFC24100	NSYSPFC24200

Nominal dimensions (mm)	Set side panel reference	
Depth (C)	100 mm	200 mm
400	NSYSPC4100	2 × NSYSPC4100
500	NSYSPC5100	2 × NSYSPC5100
600	NSYSPC6100	2 × NSYSPC6100
800	NSYSPC8100	2 × NSYSPC8100



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

Composition accessories

Floor



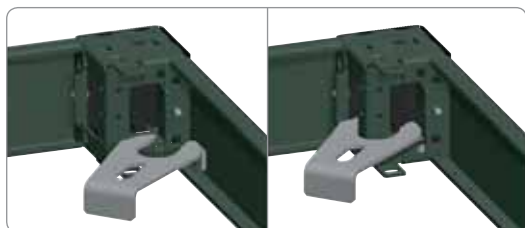
Fixing to the floor

- Piece for fixing the plinth to the floor in the event of not being able to use the drill holes made in the plinth.
- Material: zinc-coated steel.
- Thickness: 4 mm.
- M12 fixing point.



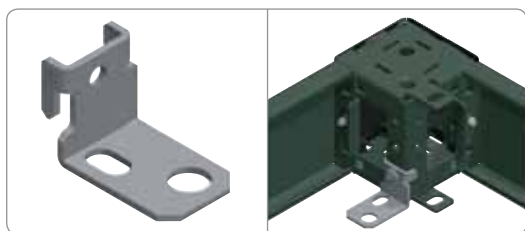
Supply: 4 pieces, fixing elements not supplied.

Reference
NSYSGF



PB500568

PB500570



PB500571

PB500572

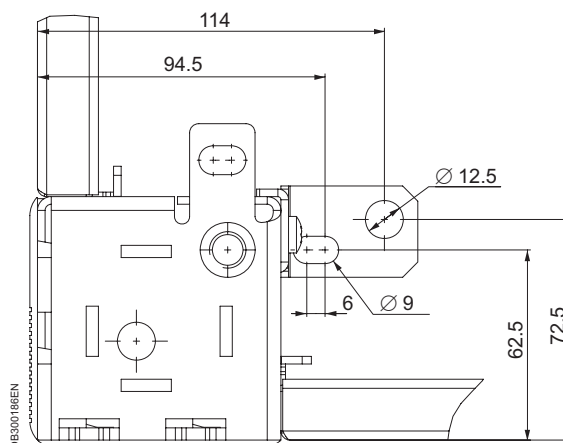
Fixing to the floor by fixing points of previous version (OLN/CMO or Spacial 6000 and 18500)

- Pieces that reproduce the floor-fixing points of the previous plinth.
- Material: zinc-coated steel.
- Thicknesses: 4 mm.
- M12 fixing point.



Supply: 4 pieces, fixing elements not supplied.

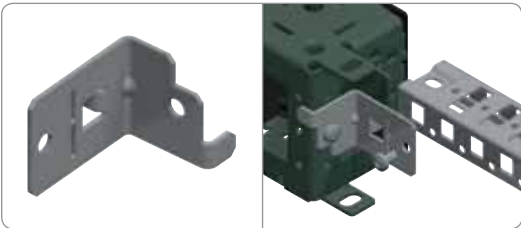
Reference
NSYOL6GF



DB300186EN

Composition accessories

Floor



Plinth cross-rail support

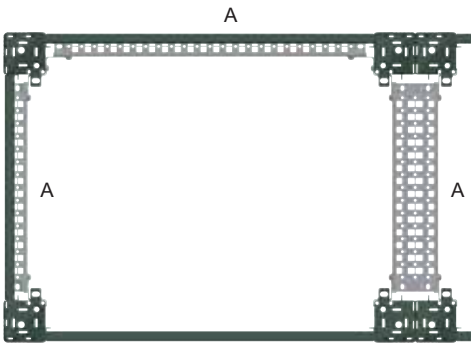
- Support for fixing a cross rail inside the plinth.
- Material: zinc-coated steel.
- Thicknesses: 2 mm.
- Fixing to the corner, 100 and 200 mm, height adjustment with a pitch of 25 mm.

Supply: 12 pieces and fixing elements.

Reference by unit. Order by multiples of 12 (12, 24, 36...).

Reference
NSYSPCR

3



Plinth cross rails fixed in position A.

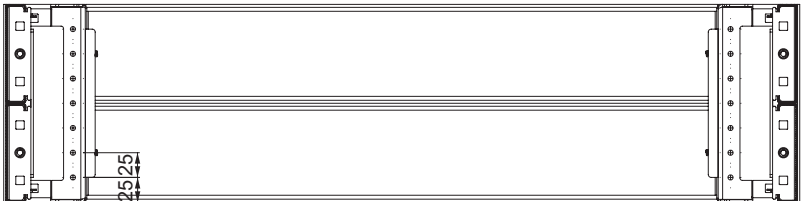
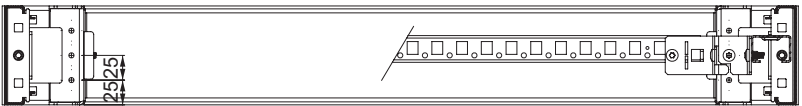
Plinth cross rails

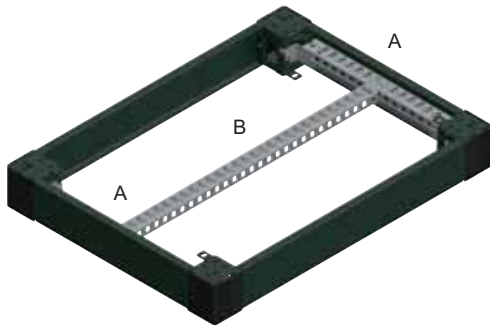
- They are fixed across the width and/or depth between the corners of the plinth.
- The plinth cross-rail supports are required for its assembly, ref. **NSYSPCR**.
- Material: zinc-coated steel.
- They allow to set and adjust the depth of the cross rails for fixing cables or other elements.

Supply: 2 cross rails and fixing elements.

Plinth cross rails fixes in position A:

Plinth cross rails		
Nominal width/depth (mm)	Cross rails 1 row (40)	Cross rails 3 rows (90)
400	NSYSUCR4030	NSYSUCR9030
500	NSYSUCR4040	NSYSUCR9040
600	NSYSUCR4050	NSYSUCR9050
800	NSYSUCR4070	NSYSUCR9070
1000	NSYSUCR4090	NSYSUCR9090
1200	NSYSUCR40110	NSYSUCR90110
1600	NSYSUCR40150	NSYSUCR90150



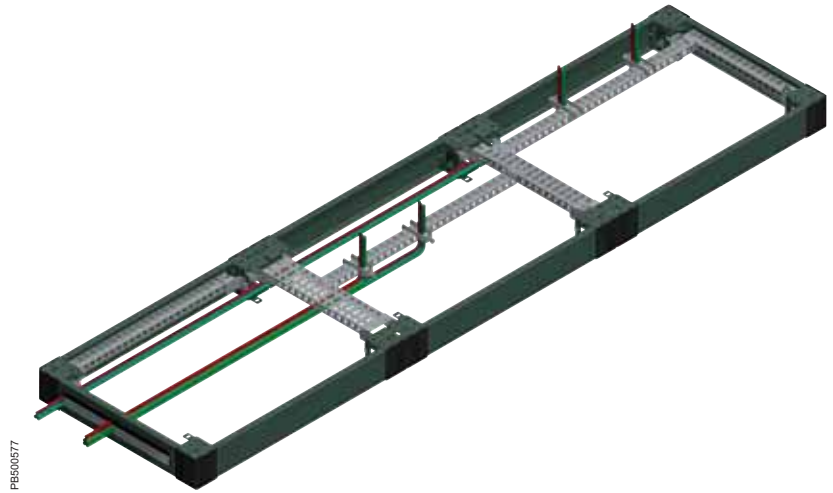


PB500576

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

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 7/35.



PB500577

Example of fixing **Spacial SF**

Composition accessories

Cable entry

Cable-gland plates

- Plates for cable entry from the bottom of the enclosure.
- Material: galvanised steel.
- Thicknesses: 1.5 mm.
- Fixing by C-shaped clip, fixed with screws, providing electrical continuity through the clip.
- Each plate has 2 drill holes 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).
- Plate models:
 - Plain.
 - With 1 entry.
 - With 2 entries.

Plain cable-gland plate

- Maximum compact water/dustproof design.



Supply: plain plate and fixing elements.

Cable-gland plate with 1 entry

- Facilitates the entry of cables thanks to a longitudinal opening.



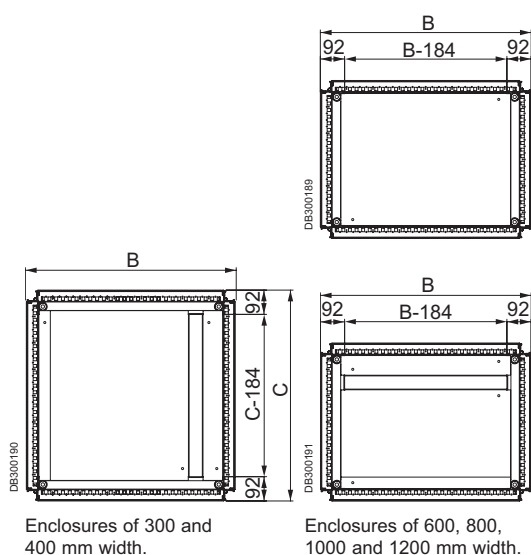
Supply: plate with 1 entry; self-extinguishing polyurethane adhesive gasket with cross-section of 15 × 25 mm (guarantees good sealing) and fixing elements.

Cable-entry plate with 2 entries

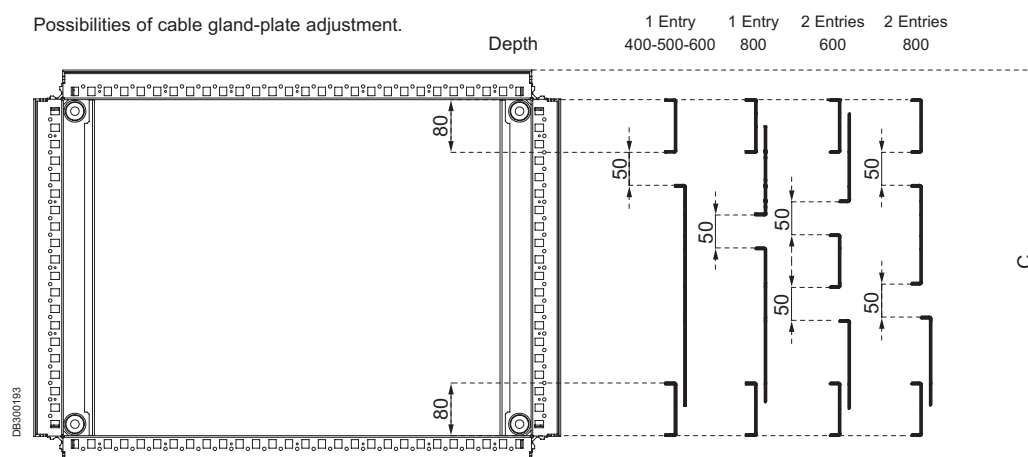
- Cable entry for very deep enclosures (600 and 800 mm).
- Two longitudinal openings allowing a large number of cables through.



Supply: 1 plate with 2 entries; polyurethane adhesive gasket with cross-section of 15 × 25 mm (guarantee good sealing) and fixing elements.

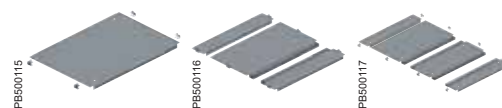


Possibilities of cable gland-plate adjustment.



Composition accessories

Cable entry



Nominal SF dimensions (mm)		Reference		
Width (B)	Depth (C)	Plain	With 1 entry	With 2 entries
300	500	NSYEC35	NSYEC351	-
300	600	NSYEC36	NSYEC361	-
400	400	NSYEC44	NSYEC441	-
400	500	NSYEC45	NSYEC451	-
400	600	NSYEC46	NSYEC461	-
400	800	NSYEC48	NSYEC481	-
600	400	NSYEC64	NSYEC641	-
600	500	NSYEC65	NSYEC651	-
600	600	NSYEC66	NSYEC661	NSYEC662
600	800	NSYEC68	NSYEC681	NSYEC682
800	400	NSYEC84	NSYEC841	-
800	500	NSYEC85	NSYEC851	-
800	600	NSYEC86	NSYEC861	NSYEC862
800	800	NSYEC88	NSYEC881	NSYEC882
1000	400	NSYEC104	NSYEC1041	-
1000	500	NSYEC105	NSYEC1051	-
1000	600	NSYEC106	NSYEC1061	NSYEC1062
1000	800	NSYEC108	NSYEC1081	NSYEC1082
1200	400	NSYEC124	NSYEC1241	-
1200	500	NSYEC125	NSYEC1251	-
1200	600	NSYEC126	NSYEC1261	NSYEC1262
1200	800	NSYEC128	NSYEC1281	NSYEC1282
1600	400	NSYEC164	NSYEC1641	-
1600	500	NSYEC165	NSYEC1651	-
1600	600	NSYEC166	NSYEC1661	NSYEC1662

3

Brush-type cable-entry gasket

- For plates with 1 or 2 cable entries. The cables can have different diameters.
- Guarantees good protection against dust.
- Quick and effective installation by clipping onto the sheet.
- Width of the brush-type gasket: 25 mm.



Supply: 2 brush-type gaskets.



Spacial SF width (mm)	Reference
300	NSYBCE3
400	NSYBCE4
600	NSYBCE6
800	NSYBCE8
1000	NSYBCE10
1200	NSYBCE12
1600	NSYBCE16

Composition accessories

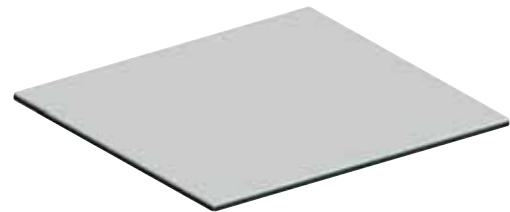
Cable entry

Plain cable-gland plate

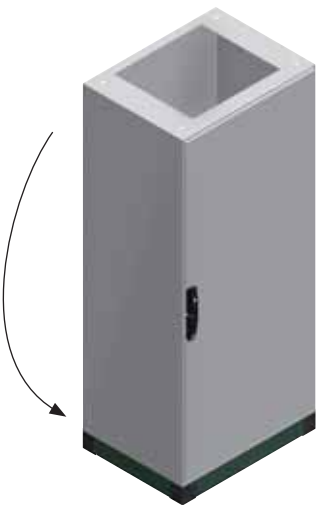
- Plain cable-gland plates for compact enclosures.
- Fixing from the outside in:
 - Enclosures with the cable entry at the top (enclosures rotated 180°). Compatible with the plinth.
 - Enclosures with cut-out roof.
- Fixing from the inside on the base of the enclosure.
- Material: steel.
- Finish: painted with epoxy-polyester resin, RAL 7035 grey.

 Supply: 1 plain plate and fixing elements.

Spacial SM Dimensions (mm)		Reference
Width	Depth	
600	300	NSYSMEC63
600	400	NSYSMEC64
600	500	NSYSMEC65
600	600	NSYSMEC66
800	300	NSYSMEC83
800	400	NSYSMEC84
800	500	NSYSMEC85
800	600	NSYSMEC86
1000	300	NSYSMEC103
1000	400	NSYSMEC104
1000	500	NSYSMEC105
1200	300	2 × NSYSMEC63
1200	400	2 × NSYSMEC64
1200	500	2 × NSYSMEC65
1200	600	2 × NSYSMEC66
1600	500	2 × NSYSMEC85
1600	600	2 × NSYSMEC86



PB500561

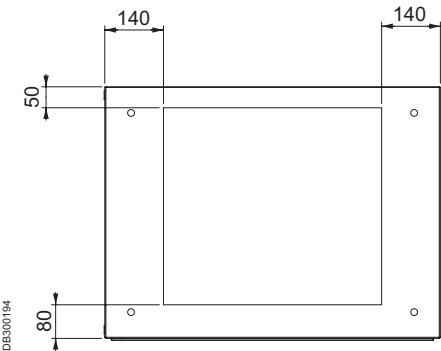


PB500562

Enclosure rotated 180°.



PB500563



Dimensions of the cut-out to be made in the roof if the enclosure is not rotated 180°.

Composition accessories

Cable entry

PB600984



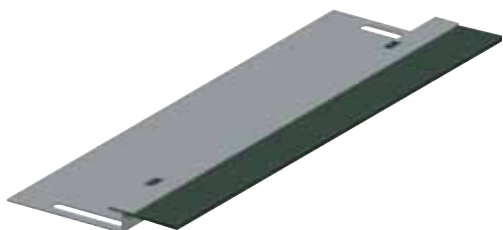
Brush-type cable-entry gasket

- Brush-type gasket for installation on the cable-gland plates. The cables can have different diameters.
- Guarantees good protection against dust.
- Quick and effective installation by clipping onto the sheet.
- Width of the brush gasket: 34 mm.



Supply: 2 brush-type gaskets.

PB600985



Spacial SM width (mm)	Reference
600	NSYSMBCE6
800	NSYSMBCE8
1000	NSYSMBCE10
1200	2 × NSYSMBCE6
1600	2 × NSYSMBCE8

Composition accessories

Cable entry

Foam cable-entry gasket

- Spare gasket, made from self-extinguishing expanded polyurethane with a cross-section of 15 × 25 mm, for fixing on cable-gland plates.
- Adhesive to guarantee good sealing.



Supply: 4 strips with a length of 1 m.

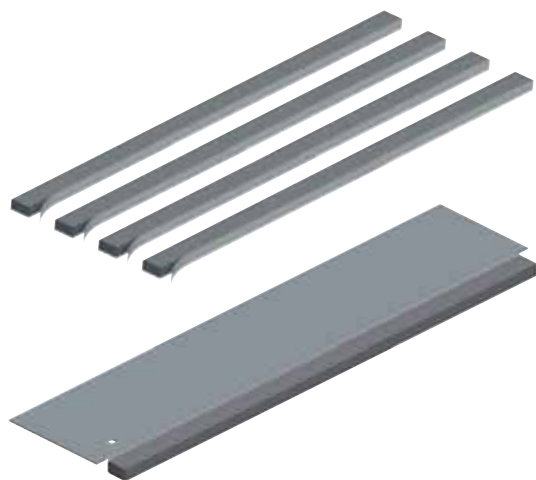
Reference

NSYCEJ

PB500986

PB500987

3



Composition accessories

Cable entry



Sealing gasket

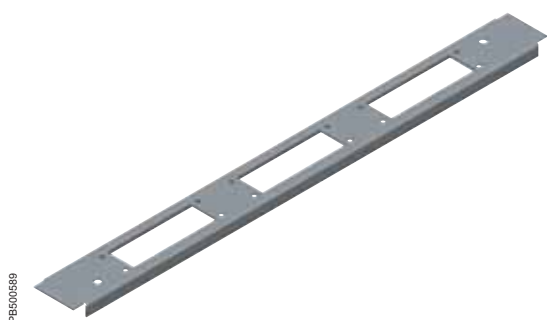
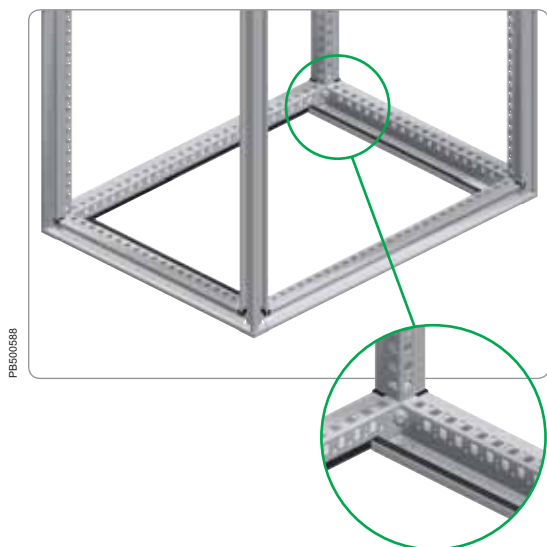
- Sealing gasket, made from ethylene-propylene with a cross-section of 3×10 mm, for mounting on the perimeter of the cable-gland plates.
- Adhesive to guarantee good sealing.



Supply: 5.8-m spiral gasket.

Reference

NSYCEK



Cable-gland plate for connectors

- Plate to be used together with plates with 1 or 2 cable entries, adding or replacing one of the parts.
- The system allows the simultaneous installation of various connector-entry plates.
- Material: galvanised steel.
- Thickness: 1.5 mm.



Supply: 1 plate and fixing elements.



Spacial SF width (mm)	Number of cuts	Reference
600	2	NSYDCE6
800	3	NSYDCE8
1000	4	NSYDCE10
1200	4	NSYDCE12



PB500514

> Advantage:

Eyebolts screwed directly into the vertical axis of the upright contribute greatly to robustness during transport.

Eyebolts

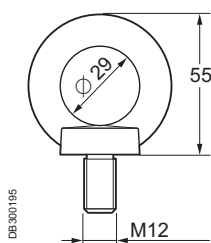
- Set of M12 lifting eyebolts, which screw directly into the structure of the enclosure, in the axis of the uprights.
- Material: galvanised cast steel.
- Maximum load: 340 kg per eyebolt.



Supply: 4 eyebolts.

Reference

NSYSFEB



DB300195

Lifting brackets

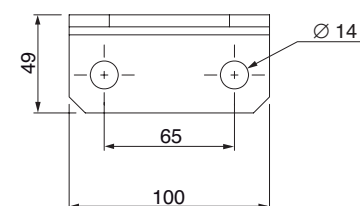
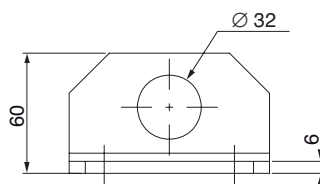
- Set of lifting and transport brackets, fixed to the structure between two coupled enclosures, in the axis of the uprights.
- Material: zinc-coated steel.
- Maximum load: see lifting and transport table, page 3/55.



Supply: 4 brackets and fixing elements (M12 screws).

Reference

NSYSFELB



DB300196

Composition accessories

Lifting systems



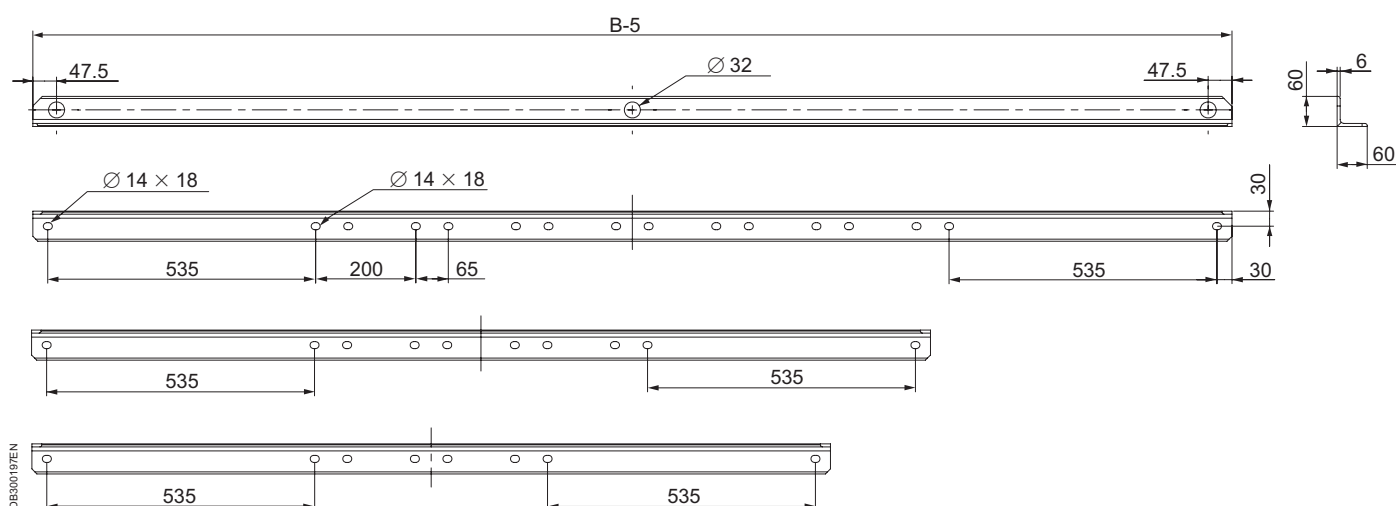
Lifting bar

- Set of bars for lifting and transporting enclosures suites. They are fixed to the structure of the enclosure, in the axis of the uprights.
- Material: zinc-coated steel.
- Maximum load: see lifting and transport table.



Supply: 2 lifting bars and fixing elements (M12 screws).

Length (mm) (B)	Reference
1600	NSYSFTB16
1800	NSYSFTB18
2400	NSYSFTB24



Lifting instructions

Eyebolts				Lifting brackets			
DB300198	DB300199	DB300200	DB300201	DB300202	DB300203	DB300204	X ≤ 75 mm
Angle	P ≤ (kg)	P ≤ (kg)	P ≤ (kg)	P ≤ (kg)	P ≤ (kg)	P ≤ (kg)	P ≤ (kg)
45°	1160	580	-	1100	2800	-	-
60°	830	415	-	-	2800	-	1100
90°	480	240	1360	-	1100	3000	-
120°	257	-	-	-	-	-	-

Composition accessories

Lifting systems



Eyebolts

- Set of M12 lifting eyebolts, fixed to the enclosure by fixing nuts.
- Material: galvanised cast steel.
- Maximum load: 340 kg per eyebolt and sling at 60°.



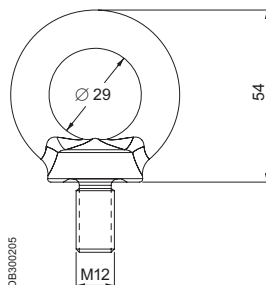
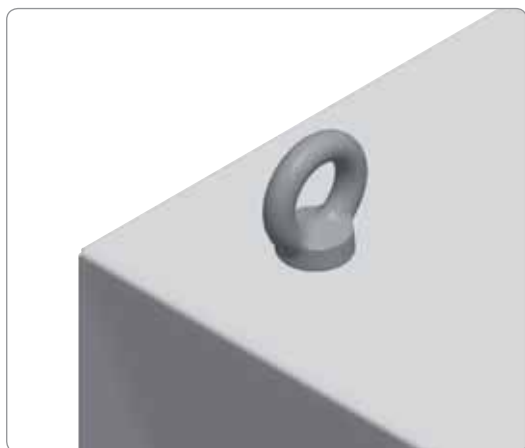
Supply: 4 eyebolts and 4 fixing nuts.

Reference

NSYSMEB

3

PB500474



Composition accessories

Roof

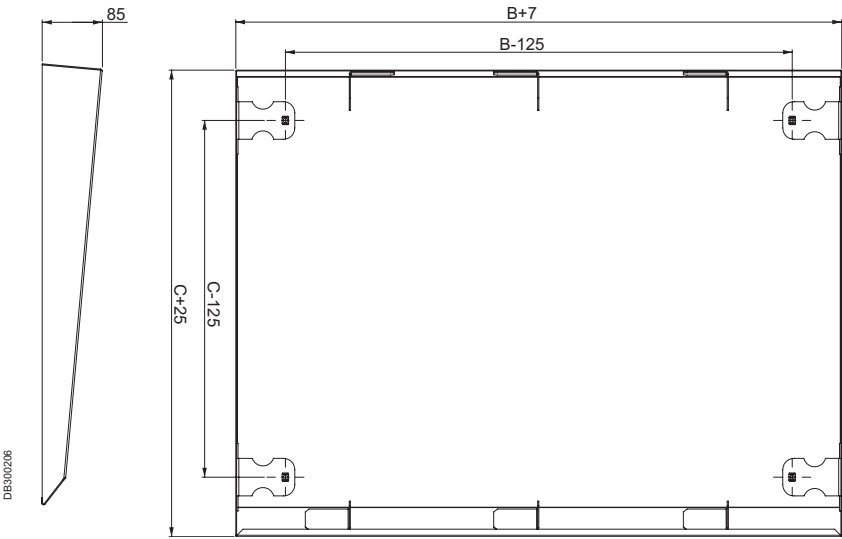


Canopy

- Provides excellent protection against splashes from rainwater.
- Highly recommended for outdoor applications.
- **Spacial SF**: fixing by drill holes to be made in the roof of the enclosure.
- **Spacial SM**: fixing by drill holes already made in the roof.
- Material: galvanised steel.
- Finish: painted with polyester-epoxy resin, RAL 7035 grey.
- Not compatible with the simultaneous use of lifting elements.
- **Spacial SF**: it is possible to use a single canopy with combinations of enclosure suites (example of a 1600 mm canopy with two coupled 800-mm enclosures).

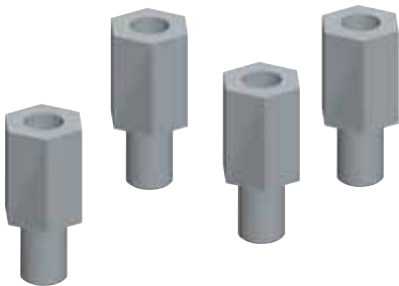
 Supply: one canopy, drilling template and fixing elements.

Nominal dimensions (mm)		Reference
Width (B)	Depth (C)	
600	300	NSYSC630
	400	NSYSC640
	500	NSYSC650
	600	NSYSC660
800	300	NSYSC830
	400	NSYSC840
	500	NSYSC850
	600	NSYSC860
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
	500	NSYSC1850
1800	600	NSYSC1860
	500	NSYSC2050
2000	600	NSYSC2060
	500	NSYSC2450
2400	600	NSYSC2460



Composition accessories

Roof



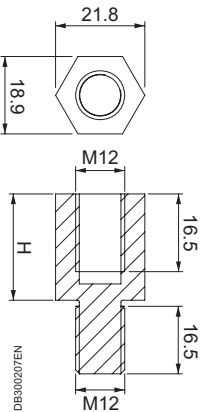
PB500594

Ventilation elevators for roof

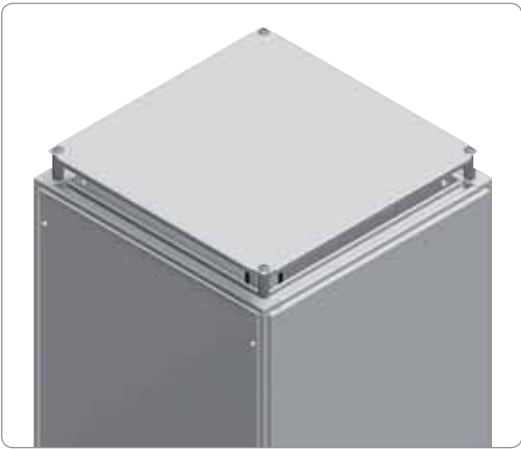
- Allows the roof to be raised, providing natural ventilation.
- They are screwed onto the structure, at the roof fixing point.
- Material: zinc-coated steel.

 Supply: 4 elevators.

Roof height (mm) (H)	IP	Reference
23	20	NSYRE26
60	10	NSYRE60



3



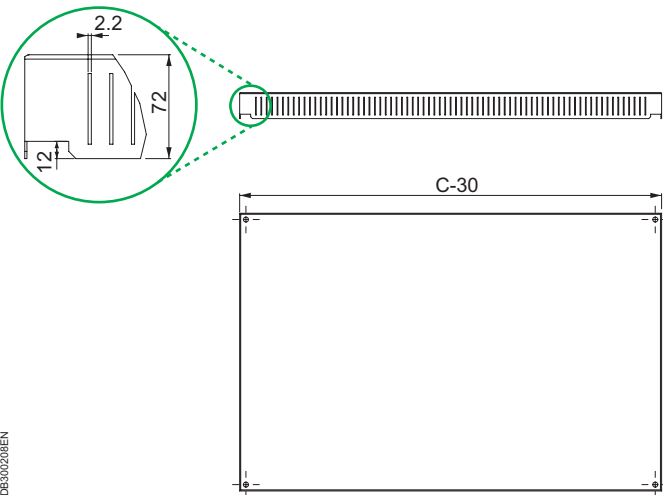
PB500595

Ventilated roof

- Roof providing natural ventilation for the enclosure, with IP30 protection.
- Material: steel.
- Height: an extra 63 mm in relation to the structure.
- Finish: painted with polyester-epoxy resin, RAL 7035 grey.

 Supply: one ventilated roof and four elevators.

Nominal dimensions (mm)		Reference
Width (B)	Depth (C)	
600	600	NSYSVR606
	800	NSYSVR608
800	600	NSYSVR806
	800	NSYSVR808



DB300208EN

Composition accessories

Roof

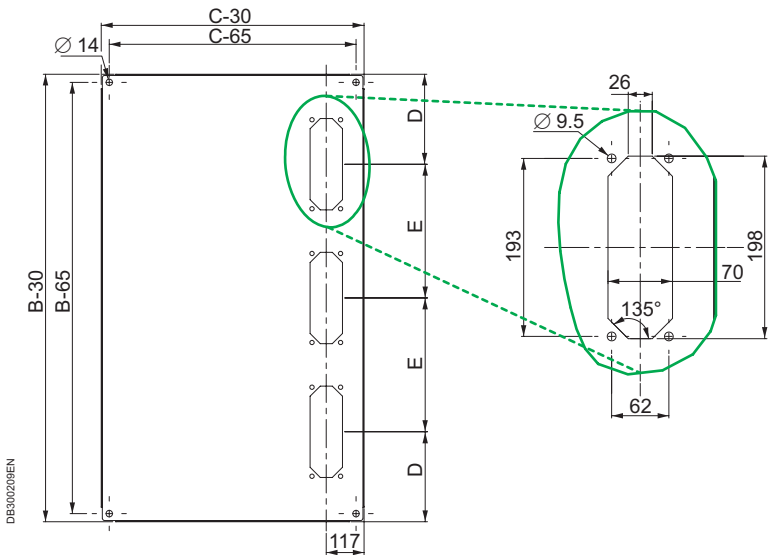


FL21 cable-entry roof

- Roof prepared for installing FL21 cable-entry plates.
- Material: steel.
- Finish: painted with epoxy-polyester resin, RAL 7035 grey.

 Supply: one cut-out roof for the FL21 cable-entry plates.

Nominal dimensions (mm)		Centre-to-centre distance (mm)		No. of entries	Reference
Width (B)	Depth (C)	D	E		
600	500	285	-	1	NSYSFLR65
	600				NSYSFLR66
800	500	195	-	2	NSYSFLR85
	600				NSYSFLR86
1000	500	195	290	3	NSYSFLR105
	600				NSYSFLR106



Composition accessories

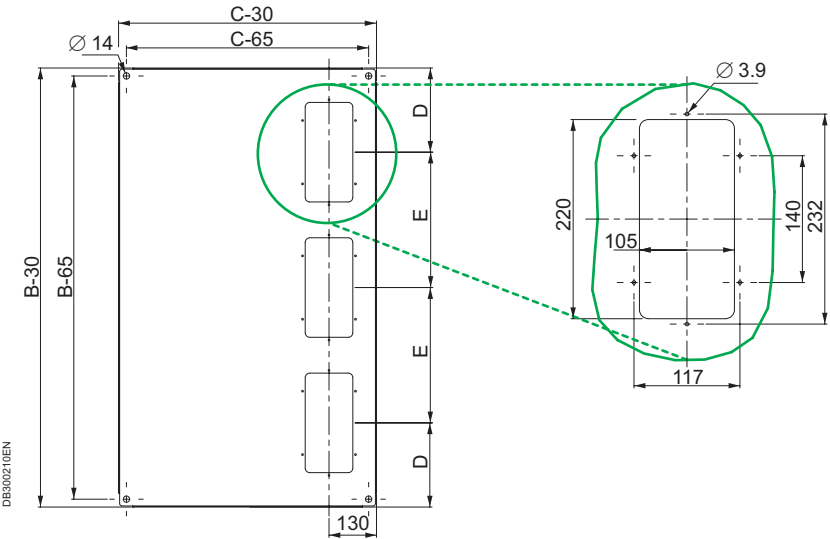
Roof

Cable-entry roof

- Roof prepared for installing cable-entry plates.
- Material: steel.
- Finish: painted with epoxy-polyester resin, RAL 7035 grey.

 Supply: one cut-out roof for the cable-entry plates.

Nominal dimensions (mm)		Centre-to-centre distance (mm)		No. of entries	Reference
Width (B)	Depth (C)	D	E		
600	500	285	-	1	NSYSRCE650
	600				NSYSRCE660
800	500	220	-	2	NSYSRCE850
	600				NSYSRCE860
1000	500	200	285	3	NSYSRCE1050
	600				NSYSRCE1060

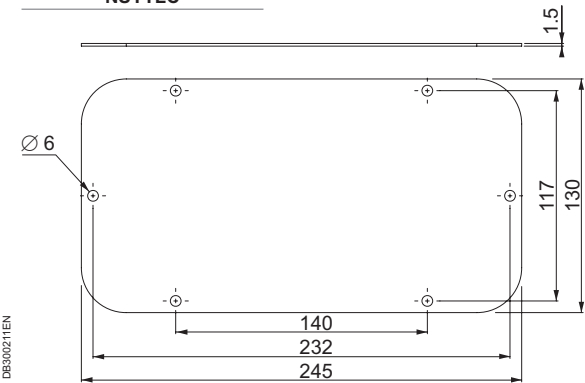


Standard cable-entry plate

- Plate with grid patterned surface with a pitch of 25 mm to facilitate perforation. Fixing by means of screws.
- Material: steel.
- Finish: painted with epoxy-polyester resin, RAL 7035 grey.

 Supply: one standard cable-entry plate and fixing elements.

Reference
NSYTLC



Composition accessories

Roof

Pre-cut cable-entry plate

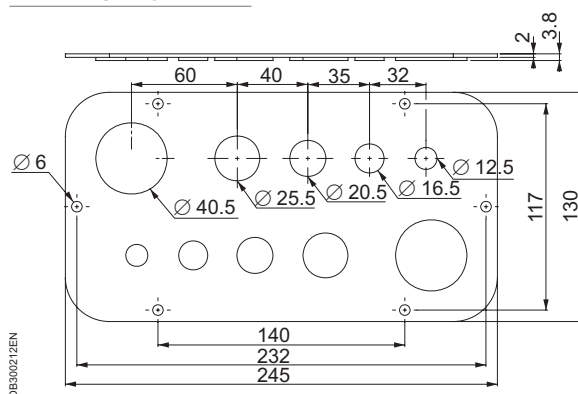
- Plate with pre-cut holes of different diameters. Fixing by means of screws.
- Pre-cuts:
 - 2 × Ø 12.5.
 - 2 × Ø 16.5.
 - 2 × Ø 20.5.
 - 2 × Ø 25.5.
 - 2 × Ø 40.5.
- Material: steel.
- Finish: painted with epoxy-polyester resin. RAL 7035 grey.



Supply: one pre-cut cable-entry plate and fixing elements.

Reference

NSYTLCK



Aluminium cable-entry plate

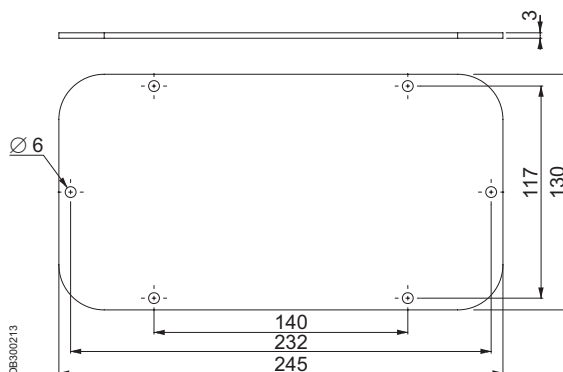
- Plain cable-entry plate. Fixing by means of screws.
- Material: brushed aluminium.
- Thickness: 3 mm.



Supply: one aluminium cable-entry plate and fixing elements.

Reference

NSYTLCU



Composition accessories

Roof

3



PE500604

Adapter for FL21 cable-entry plate

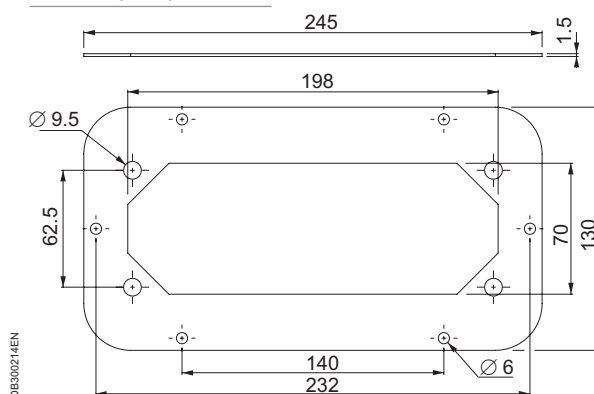
- Cut-out adapter for FL21 cable-entry plates. Fixing by means of screws.
- Material: steel.
- Finish: painted with epoxy-polyester resin, RAL 7035 grey.



Supply: one FL21 cable-entry plate and fixing elements.

Reference

NSYTLCLFL



DB300214EN



PE500605



PE500606

FL21 cable-entry membranes

- Membrane plate for watertight cable entries made from insulating material (fire-resistance 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.
- Degree of protection: IP65.
- Material: grey plastic.



Supply: membrane plate and fixing elements.

No. of cable entries	Reference
Plain	NSYAECPLBP
7	NSYAECPLT7
25	NSYAECPLT25
35	NSYAECPLT35

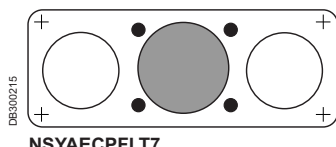
Characteristics of the membranes

Membrane symbol	For cable Ø (mm)	Number	IP	Another possible Ø (mm) (1)
●	8-16	4	65	-
○	24-54	2	65	-
●	30-60	1	65	-

Membrane symbol	For cable Ø (mm)	Number	IP	Another possible Ø (mm) (1)
●	5-7	4	65	-
●	6-12	1	65	-
○	10-14	12	65	-
⊖	14-20	4	65	8-12
⊕	20-26	1	65	8-12

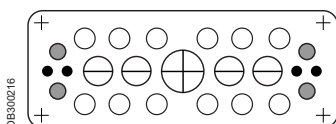
(1) IP54 in this use.

Membrane symbol	For cable Ø (mm)	Number	IP	Another possible Ø (mm) (1)
●	6-10	2	65	-
●	8-12	14	65	-
○	10-14	16	65	-
⊖	12-18	2	65	-
⊕	17-32	1	65	-



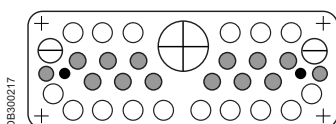
DB300215

NSYAECPLT7



DB300216

NSYAECPLT25



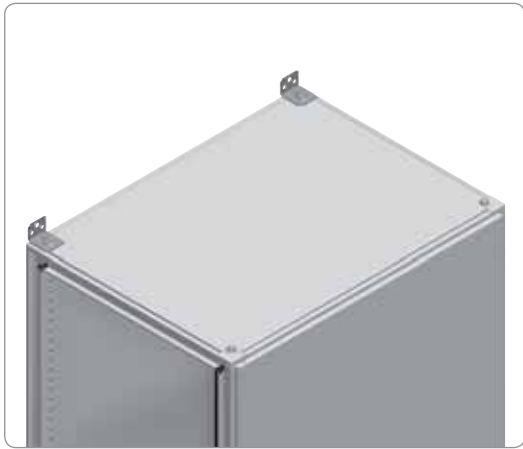
DB300217

NSYAECPLT35

Composition accessories

Wall-mounting

PE500807



Wall-mounting support

- Supports for mounting 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.
- Material: zinc-coated steel.

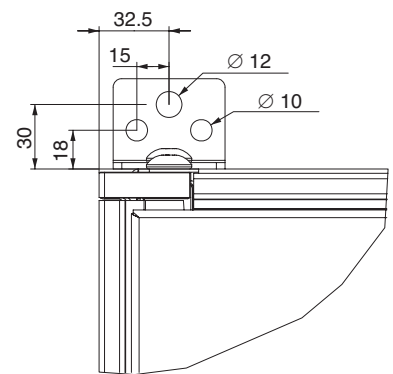
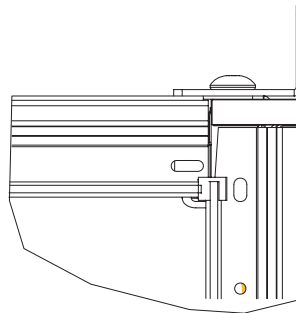


Supply: 2 supports.

Reference

NSYSFWFIX

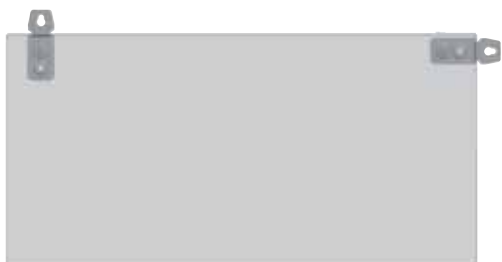
DB30021BEN



Composition accessories

Wall-mounting

PE500608



Wall-mounting support

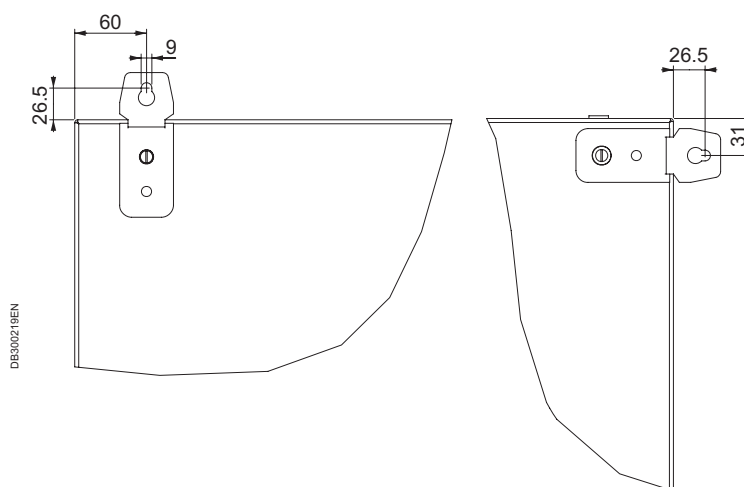
- Supports for mounting the enclosure on the wall and preventing it from turning over.
- They are installed using the drill holes in the back of the enclosure.
- Enclosure fixed from the outside.
- Material: steel.
- Finish: zinc-coated.



Supply: 2 supports.

Reference

NSYSMWFIX



Composition accessories

Door and door accessories



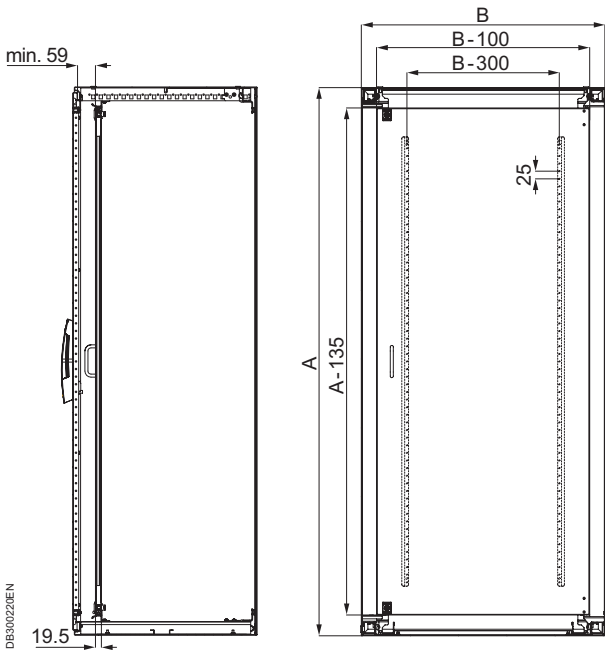
Inner door

- Door for additional protection. Prevents the switchgear from being manipulated by unauthorised personnel.
- Allows the installation of switchgear mounted directly on the door.
- 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.
- Reinforcement frames on the rear, cut-outs with a 25-mm pitch, for equipping the door.
- Material: steel.
- Finish: painted with epoxy-polyester resin, RAL 7035 grey.
- Maximum acceptable load: 15 kg.

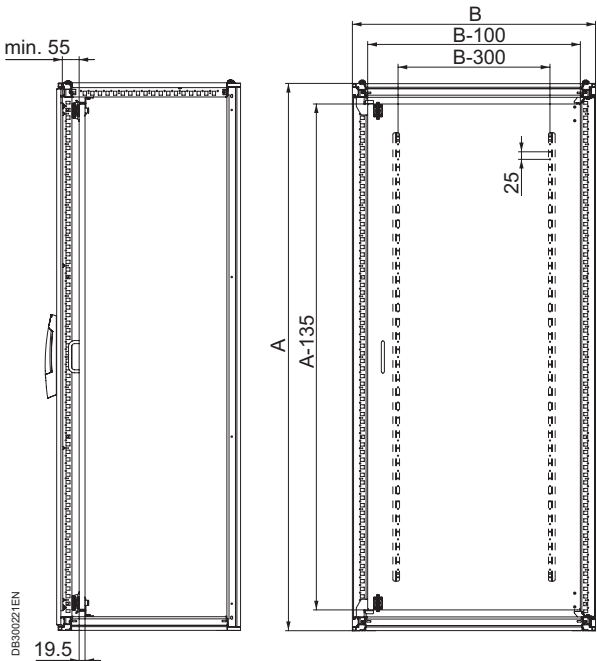
 Supply: one inner door and fixing elements.

Nominal dimensions (mm)		Reference
Height (A)	Width (B)	
1600	600	NSYID166
	800	NSYID168
1800	600	NSYID186
	800	NSYID188
	1000	NSYID1810
2000	600	NSYID206
	800	NSYID208
	1000	NSYID2010
2200	600	NSYID226
	800	NSYID228

3



Spacial SM



Spacial SF



Side door

- 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.
- Material: steel.
- Finish: painted with epoxy-polyester resin, RAL 7035 grey.

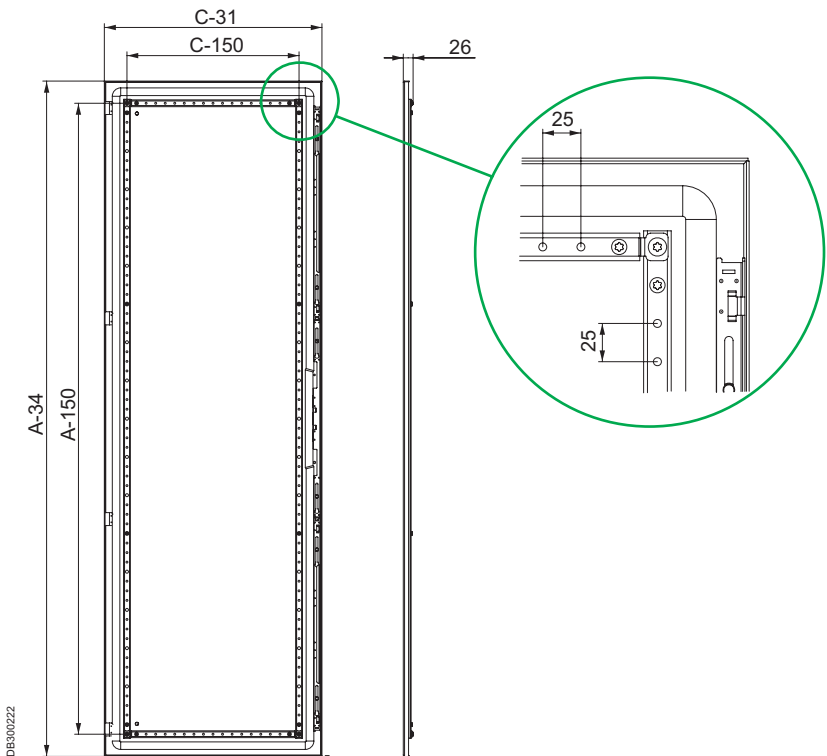


Supply: one side door, four hinges, four catches and handle lock.

Spacial SF dimensions (mm)		Reference
Height (A)	Depth (C)	
1200	600	NSYSFD126
	800	NSYSFD128
1400	600	NSYSFD146
	800	NSYSFD148
1600	600	NSYSFD166
	800	NSYSFD168
1800	400	NSYSFD184
	500	NSYSFD185
	600	NSYSFD186
	800	NSYSFD188
2000	400	NSYSFD204
	500	NSYSFD205
	600	NSYSFD206
	800	NSYSFD208
2200	400	NSYSFD224
	500	NSYSFD225
	600	NSYSFD226
	800	NSYSFD228

> Advantage:

The side door is the same as the front door when the width and depth dimensions are the same.



180° hinge

- 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.
- Material: aluminium and zamak.
- Maximum load: 60 kg on the door.
- Finish: painted RAL 9005 black.



Supply: 4 hinges, template for making the drill holes and fixing elements.

Model	Reference
RAL 9005 black	NSYSH180

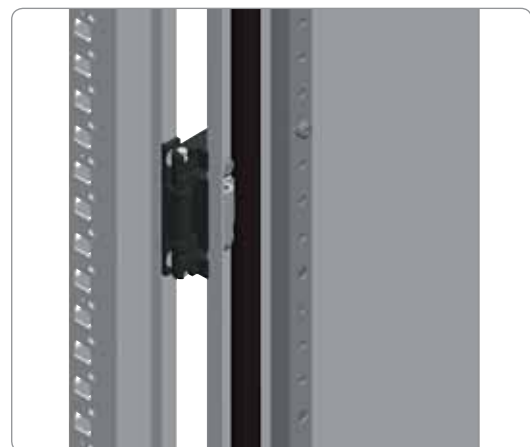
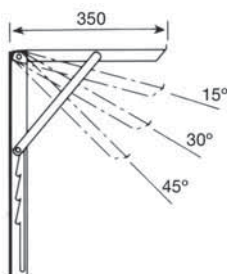
Folding support tray

- Adjustable horizontal support for laptop computers, documents or any other element.
- Installation on the reinforcement frame of the door.
- Can also be installed on the door cross rails, see page 7/133.
- Adjustable depth with a pitch of 25 mm.
- In enclosures with a width of 1000 mm, it is possible to install any size using the door cross rail with reference **NSYSDCR10**.
- 4 positions: 45°, 60°, 75° and 90°.
- Material: steel.
- Thickness: 1.5 mm.
- Finish: painted with epoxy-polyester resin, RAL 7035 grey.
- Maximum load: 30 kg.

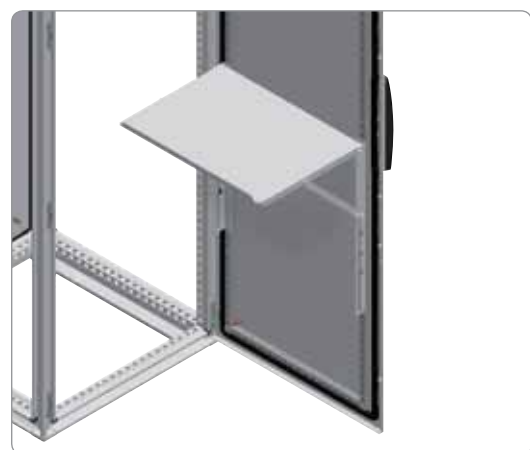


Supply: one folding support tray and fixing elements.

Spacial Dimensions (mm)	Reference
Width	
500	NSYSDT5
600	NSYSDT6
800	NSYSDT8



PB500610



PB500611



PB500612

Composition accessories

Door and door accessories



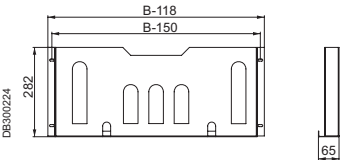
PB500485

Metal document pocket

- Direct mounting on the reinforcement frame of the door.
- Adjustable depth with a pitch of 25 mm.
- Material: steel.
- Finish: painted with polyester-epoxy resin, RAL 7035 grey.

 Supply: one metal document pocket and fixing elements.

Spacial Dimensions (mm)	Reference
Width (B)	
600	NSYSDP6M
800	NSYSDP8M



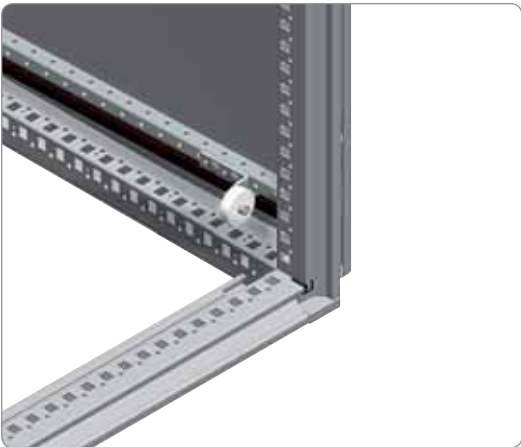
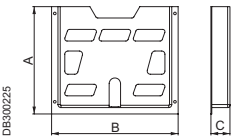
PB500464

Plastic document pocket

- Attachment by adhesive tape.
- Formats: A5 and A4.
- Material: polystyrene (PS), RAL 7035 grey.

 Supply: one plastic document pocket.

Document format (mm)	A	B	C	Reference
A5	174	188	22	NSYDPA5
A4	234	278	22	NSYDPA4
A4	234	278	40	NSYDPA44
A3	258	476	35	NSYDPA3



PB500813

Door-centring caster

- Allows the door to be raised when closing.
- Direct mounting on the reinforcement frame.
- Maximum load: 60 kg.

 Supply: one centring roller and fixing elements.

Reference
NSYSDRC

Composition accessories

Locking system



> **Advantage:**
Easy opening.

Handle for shape inserts and cylindrical barrels

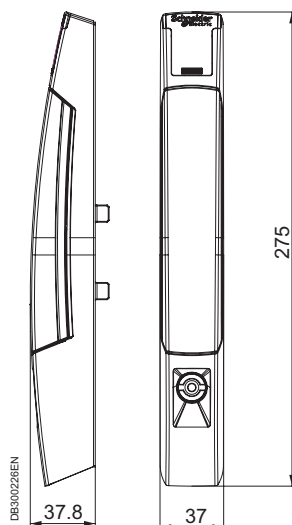
- Handle lock allowing the door to be opened: with a single movement.
- Standard handle for the entire range of **Spacial SF** and **Spacial SM** enclosures; does not include the insert when ordered as an accessory.
- Easy and quick installation of inserts without needing screws.
- Allows the installation of shape inserts and cylindrical barrels.
- The symmetric design of the locking system makes it easy to change the opening direction of the door, right/left. Easy fixing by means of screws.
- Space reserved for enclosure identification, 21 × 27 mm, protected by a label frame.
- Material:
 - Handle: polyamide 6 with 30% fibreglass, RAL 9005 black.
 - Label frame: polycarbonate.
- UV resistant.
- Fire resistance: 650 °C.
- Resistance to external mechanical impacts: IK10.



Supply: standard handle and fixing elements (insert not included).

Reference

NSYSFHS1



Composition accessories

Locking system

Shape inserts and cylindrical barrels

Shape inserts		Reference
 PB500614	6-mm square insert	NSYINS61
	Female 6-mm square insert	NSYINS6G1
	7-mm square insert	NSYINS71
	8-mm square insert	NSYINS81
	Female 8-mm square insert	NSYINS8G1
	8-mm square insert with slot	NSYINS8H1
	6.5-mm triangular insert	NSYINT61
	7-mm triangular insert	NSYINT71
	8-mm triangular insert	NSYINT81
	9-mm triangular insert	NSYINT91
	10-mm triangular insert	NSYINT101
	10-mm keyless hexagonal insert	NSYINH31
	3-mm double-bar insert	NSYINDB31
	5-mm double-bar insert	NSYINDB51
	Daimler Benz insert	NSYINBENZ1
	Fiat insert	NSYINFIAT1
	Keyless USA slot insert	NSYINUSA1
	Keyless 2 × 4 slot insert	NSYIN241
	Crown insert	NSYINCW1

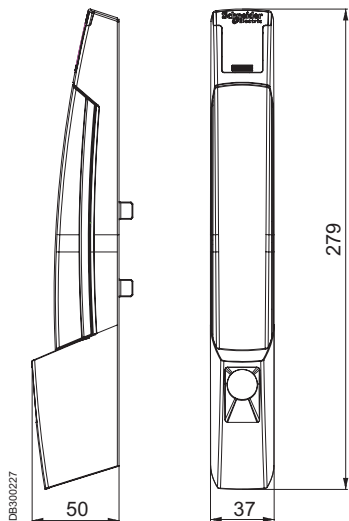
Push button		Reference
 PB500615	Push button	NSYINPULS1

> For installing shape inserts and cylindrical barrels in handle types DIN, KABA and ASSA (ref. **NSYSFHD2**), see adapter (ref. **NSYLADP**) page 3/72.

Cylindrical barrels		Reference
 PB500616	405E key lock	NSYIN405E1
	421E key lock	NSYIN421E1
	455 key lock	NSYIN4551
	1242E key lock	NSYIN1242E1
	1332E key lock	NSYIN1332E1
	2124E key lock	NSYIN2124E1
	2131A key lock	NSYIN2131A1
	2132A key lock	NSYIN2132A1
	2331A key lock	NSYIN2331A1
	2433A key lock	NSYIN2433A1
	2452E key lock	NSYIN2452E1
	3113A key lock	NSYIN3113A1
	3122E key lock	NSYIN3122E1
	3123A key lock	NSYIN3123A1
	3133A key lock	NSYIN3133A1
	3422E key lock	NSYIN3422E1
	3432E key lock	NSYIN3432E1
	EDF1300 key lock	NSYINF1301
	EDF1400 key lock	NSYINF1401
	Michelin 8079 keyless lock	NSYINICHEL8791
	Michelin 8133 keyless lock	NSYINICHEL8131
	Michelin 8376 keyless lock	NSYINICHEL8371
	E1 keyless lock	NSYINE11

Composition accessories

Locking system



Handle for insert types DIN, KABA, ASSA

- Easy-opening handle lock: requires a single movement.
- 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**.
- The symmetric design of the locking system makes it easy to change the opening direction of the door, right/left. Mounting on the door by means of screws.
- Space reserved for enclosure identification, 21 × 27 mm, protected by a label frame.
- Material:
 - Handle: polyamide 6 with 30% fibreglass, RAL 9005 colour.
 - Label frame: polycarbonate.
- UV resistant.
- Fire resistance: 650 °C.
- Resistance to external mechanical impacts: IK10.

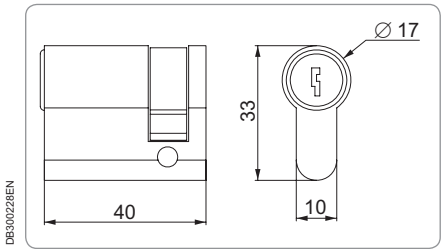


Supply: one handle for DIN, KABA and ASSA inserts and fixing elements (insert not included).

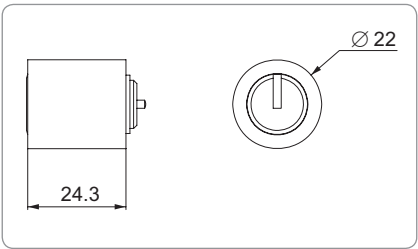
Reference
NSYSFHD2

Lock system: DIN, KABA and ASSA		Reference
 PB500617	Adapter for DIN cylinder	NSYINDIN2
	Adapter for KABA cylinder (1)	NSYINKBA2
	Adapter for ASSA cylinder	NSYINASSA2
 PB500618	1242E key lock	NSYIN1242E2
	Reinforced key lock	NSYINKR2
	JIS key lock	NSYINKJIS2
	FAC key lock	NSYINKFAC2

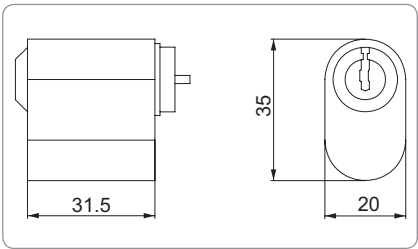
(1) Adapter for receiving the KABA8, KABA20 and KABA start cylinders.



Insert dimensions for DIN adapters.



Insert dimensions for KABA adapters.

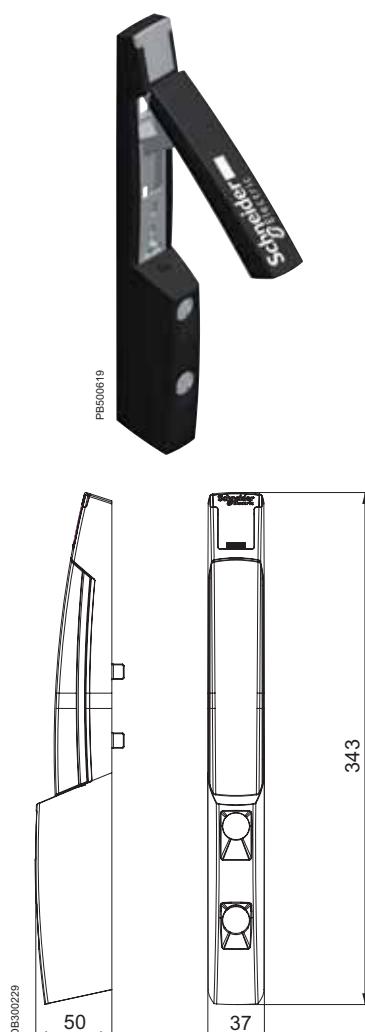


Insert dimensions for ASSA adapters.

Composition accessories

Locking system

3



Double-insert handle

- Easy-opening handle lock: requires a single movement. Allows two inserts to be installed in the same lock.
- To install shape inserts or cylindrical barrels, it is necessary to add adapter ref. **NSYLADP**.
- The handle can perform the "AND" and "OR" functions. The elements for performing these functions are supplied with the handle.
 - "AND" function: one insert blocks the activation of the other insert.
 - "OR" function: either insert can release the handle.
- The symmetric design of the locking system makes it easy to change the opening direction of the door, right/left. Mounting on the door by means of screws.
- Space reserved for enclosure identification, 21 × 27 mm, protected by a label frame.
- Material:
 - Handle: polyamide 6 with 30% fibreglass, RAL 9005 colour.
 - Label frame: polycarbonate.
- UV resistant.
- Fire resistance: 650 °C.
- Resistance to external mechanical impacts: IK10.



Supply: one double-insert handle, elements for performing the "AND" and "OR" functions and fixing elements (insert not included).

Reference

NSYSFHD3

Adapter for shape inserts and cylindrical barrels

- Plastic adapter for installing shape inserts and cylindrical barrels in handle lock types DIN, KABA, ASSA.

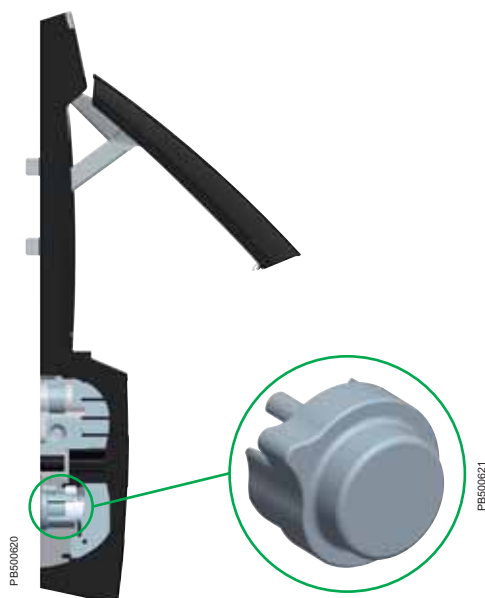


Supply: 1 unit.

- See shape inserts and cylindrical barrels on page **3/70**.
- See insert types DIN, KABA, ASSA on page **3/71**.

Reference

NSYLADP



Composition accessories

Locking system



Padlock locking

- Padlock locking system, for installation in all the handles of the **Spacial SF** and **Spacial SM** enclosures.
- Bolt with 7.5-mm drill hole.



Supply: one cut-out handle, bolt for padlock and bolt fixing screw.

Reference

NSYBLKH123



CNOMO kit

- Locking system to be installed on the central locking bar of the door. It works as a locking bar immobiliser, preventing the handle from closing while the door is still open.
- It is compatible with all handle lock versions, except the flat lock and the small flat lock.



Supply: one mechanism, 6.5-mm triangular insert, key and fixing elements.

Reference

NSYCNOH123



Composition accessories

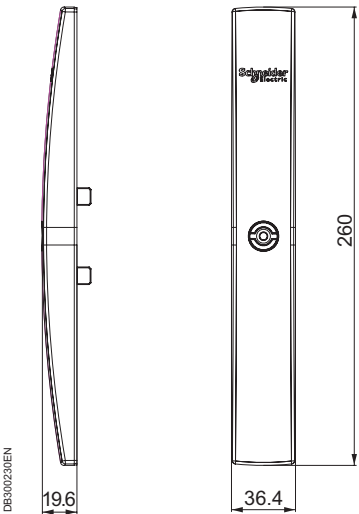
Locking system



Flat escutcheon lock

- Optional flat escutcheon lock. Replaces the handle lock.
- The symmetric design of the locking system makes it easy to change the opening direction of the door, right/left. Mounting on the door by means of screws.
- Possibility of changing the turning direction of the insert.
- Material: polyamide 6 with 30% fibreglass, RAL 9005 black.
- UV resistant.
- Fire resistance: 650 °C.
- Resistance to external mechanical impacts: IK10.

 Supply: flat lock, shape insert, key and fixing elements.



Models		Reference
PB500627	Flat lock + screwdriver slot, 2-mm groove	NSYSFLOCK24
PB500628	Flat lock + 8-mm triangular insert	NSYSFLOCKT8
PB500629	Flat lock + 7-mm triangular insert	NSYSFLOCKT7
PB500630	Flat lock + 6.5-mm triangular insert	NSYSFLOCKT6
PB500831	Flat lock + 8-mm female square insert	NSYSFLOCKSG8
PB500832	Flat lock + 8-mm square insert	NSYSFLOCKS8
PB500833	Flat lock + 7-mm square insert	NSYSFLOCKS7
PB500834	Flat lock + 6-mm square insert	NSYSFLOCKS6
PB500635	Flat lock + 5-mm double-bar insert	NSYSFLOCKDB5

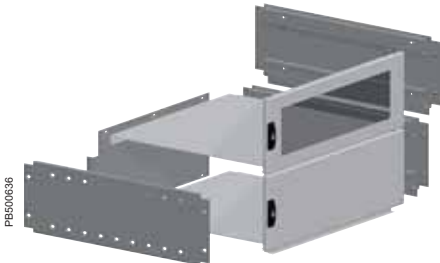
Applications

Spacial SF Applications		3/76
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	PC rack	3/89
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Compartmentalised enclosure

Composition accessories

3



Enclosure cladding accessories, see page 3/77.



Equipment support accessories, see page 3/84.



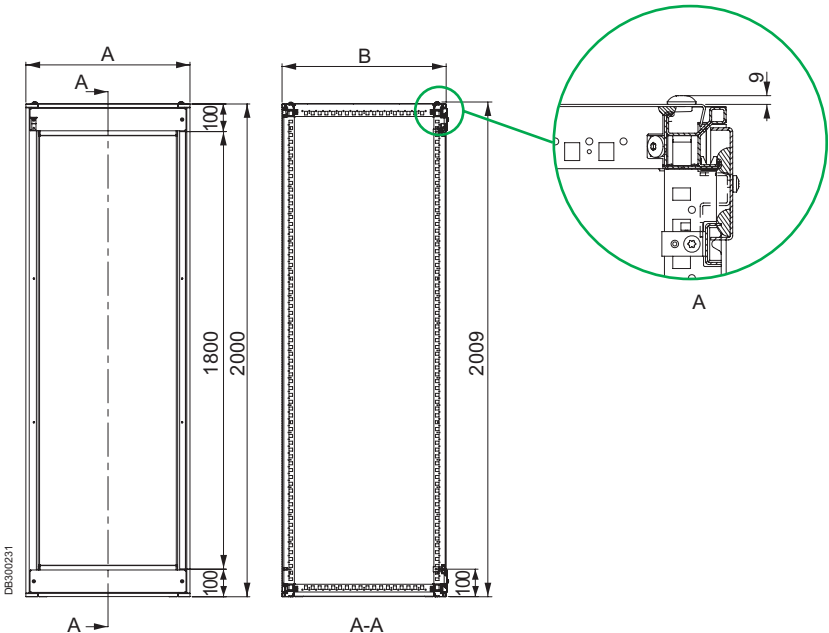
Optional composition accessories, see page 3/35.

Compartmentalised enclosure application

- 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.

Composition

- Structure: top and bottom frame and vertical uprights.
- Fixed panels: top and bottom, to allow modularity.
- 2 intermediate crossbars.
- Removable roof.
- External fixing rear panel.
- Material: steel painted with epoxy-polyester resin, textured RAL 7035 grey.



External dimensions (mm)			Useful height for doors (mm)	Reference
Height	Width (B)	Depth (C)		
2000	600	600	1800	NSYSF20660M
		800	1800	NSYSF20680M
	800	600	1800	NSYSF20860M
		800	1800	NSYSF20880M

Compartmentalised enclosure

Composition accessories



Standard side panels

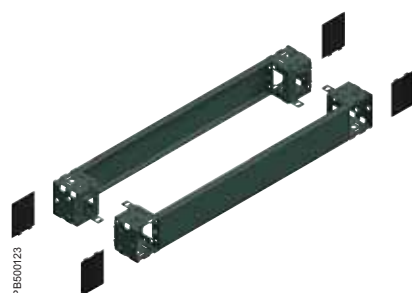
External fixing

- Set of 2 side panels fixed to the outside of the enclosure.
- Captive screws.
- Material: steel painted with epoxy-polyester resin, textured RAL 7035 grey.



Supply: two side panels with external fixing, supplied with sealing gasket.

Spacial SF dimensions (mm)		Reference
Height	Depth	
2000	600	NSY2SP206
	800	NSY2SP208



Plinth

- See composition accessories: floor, page 3/35.
- Model heights: 100 and 200 mm.

Front plinth



- Supply:
- **Height 100 mm:** 4 corners, 2 panels (front and rear), 4 corner covers and fixing elements.
 - **Height 200 mm:** 4 corners, 4 panels (2 front and 2 rear), 4 corner covers and fixing elements.



Plinth side panels



- Supply:
- **Height 100 mm:** two side panels, four corner covers and fixing elements.
 - **Height 200 mm:** four side panels (height of 100 mm, 2 for each side), four corner covers and fixing elements.

Spacial SF Dimensions (mm)		Front plinth reference (mm)		Plinth side panel reference (mm)	
Width	Depth	100	200	100	200
600	600	NSYSPF6100	NSYSPF6200	NSYSPS6100	NSYSPS6200
	800			NSYSPS8100	NSYSPS8200
800	600	NSYSPF8100	NSYSPF8200	NSYSPS6100	NSYSPS6200
	800			NSYSPS8100	NSYSPS8200

Compartmentalised enclosure

Composition accessories

3

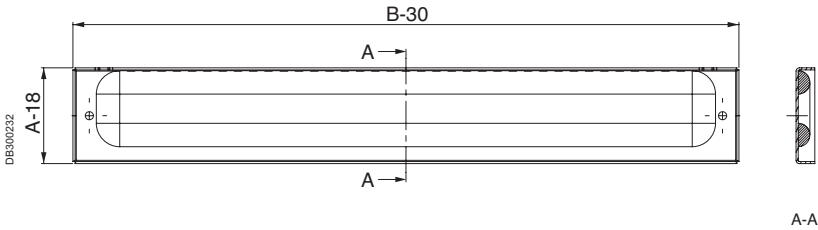


Fixed panel for modularity

- Panel fixed to the structure of the enclosure by means of screws.
- Recommended for enclosure kits.
- It is installed at the top and bottom of the enclosure, to obtain the modularity required to install partial doors.
- Material: steel painted with epoxy-polyester resin, textured RAL 7035 grey.

 Supply: two panels and fixing elements.

Spacial SF dimensions (mm)		Reference
Height (A)	Width (B)	
100	600	NSYMFP16
	800	NSYMFP18
300	600	NSYMFP36
	800	NSYMFP38

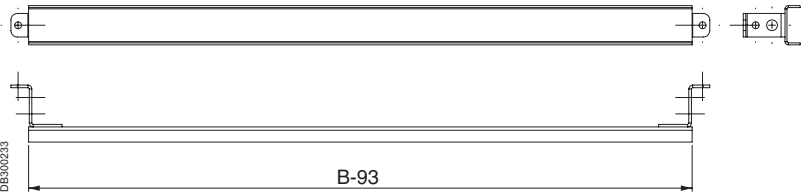


Intermediate crossbar

- Crossbar with direct fixing to the structure.
- It is mounted between partial doors or between doors and control desk, guaranteeing good sealing.
- Material: steel painted with epoxy-polyester resin, textured RAL 7035 grey.

 Supply: 1 crossbar and fixing elements.

Spacial SF Dimensions (mm)	Reference
Width (B)	
600	NSYMIC6
800	NSYMIC8



Compartmentalised enclosure

Composition accessories

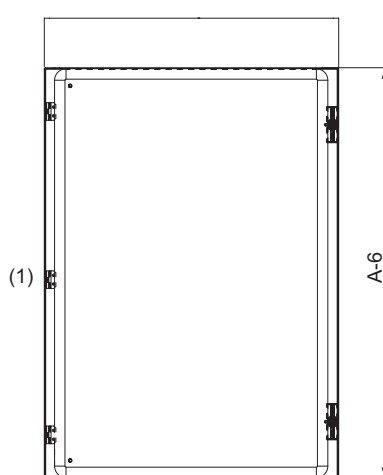
Partial doors

- Two partial door versions:
 - Plain partial door.
 - Transparent partial door with Securit® glass.
- They are fixed to the uprights of the structure by means of hinges.
- Locking system with small flat escutcheon, made from polyamide 6 with 30% fibreglass, RAL 9005 black, with 3 mm double-bar metal insert.
- 1 locking point for doors with heights of 200 and 400 mm, and 2 locking points for doors with heights of 600 to 1000 mm.
- Opening to the right or left.
- 2 vertical reinforcement frames, cut-out with a pitch of 25 mm; except doors with a height of 200 mm.
- Material: steel painted with epoxy-polyester resin, textured RAL 7035 grey.

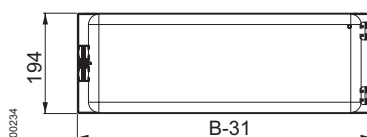


Supply: partial door, hinges and fixing elements.

Spacial SF dimensions (mm)		Plain partial door reference	Transparent partial door reference
Height (A)	Width (B)		
200	600	NSYMPD26	NSYMPD26T
400		NSYMPD46	NSYMPD46T
600		NSYMPD66	NSYMPD66T
800		NSYMPD86	NSYMPD86T
1000		NSYMPD106	NSYMPD106T
200	800	NSYMPD28	NSYMPD28T
400		NSYMPD48	NSYMPD48T
600		NSYMPD68	NSYMPD68T
800		NSYMPD88	NSYMPD88T
1000		NSYMPD108	NSYMPD108T

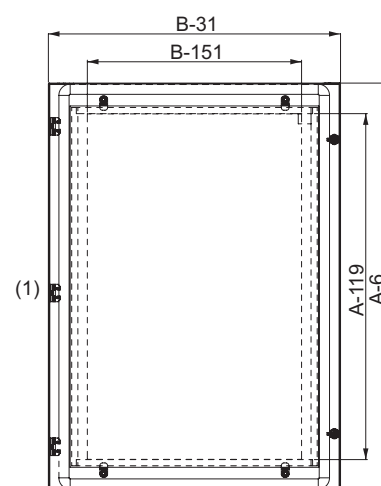


Heights from 400 to 1000 mm.
(1) 3 hinges in 1000 mm height

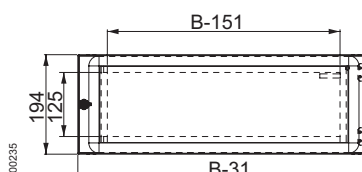


Height 200 mm

Plain partial door.



Heights from 400 to 1000 mm.
(1) 3 hinges in 1000 mm height



Height 200 mm

Transparent partial door.

Compartmentalised enclosure

Composition accessories

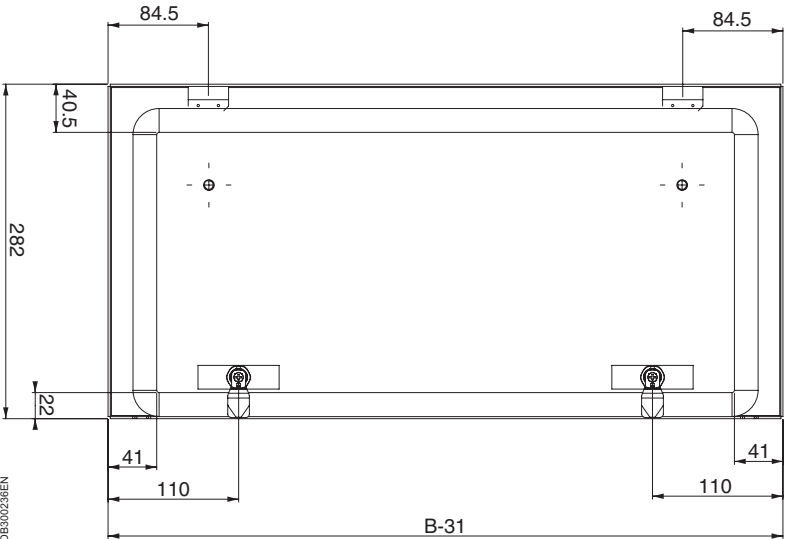


Folding panels

- Horizontal panel, hinged at the top.
- Guarantees protection of the sets of bars.
- Opening angle: 90°.
- It is installed together with partial doors to create the modularity of the enclosure.
- Material: steel painted with epoxy-polyester resin, textured RAL 7035 grey.
- Locking system with two small flat escutcheons, made from polyamide 6 with 30% fibreglass, RAL 9005 black, with 3-mm double-bar insert.

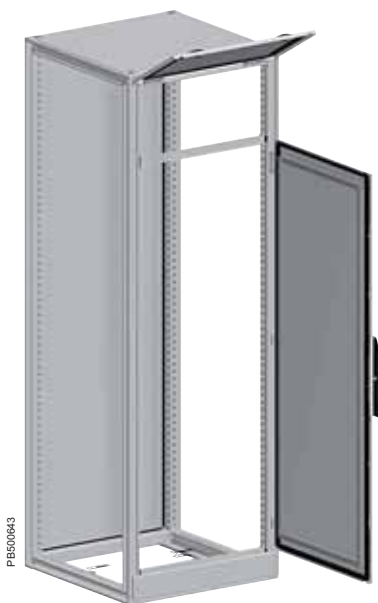
 Supply: one folding panel, hinges and fixing elements.

Nominal dimensions (mm)		Reference
Height	Width (B)	
300	600	NSYCDP36
	800	NSYCDP38



Compartmentalised enclosure

Composition accessories

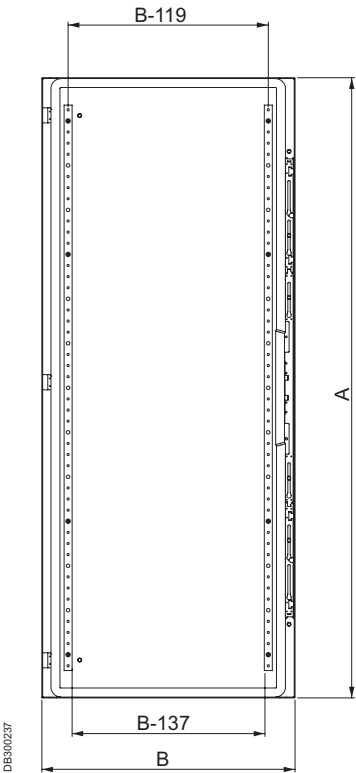


Partial door for folding panel

- Can be combined with folding panels and with the rest of the partial doors.
- Plain partial doors with handle lock with 5-mm double-bar insert.
- 4 locking points and 2 or 3 hinges according to the height:
 - 2 hinges, heights of 1200 and 1400 mm.
 - 3 hinges, height of 1600 mm.
- Material: steel painted with epoxy-polyester resin, textured RAL 7035 grey.

 Supply: one partial door, hinges and catches of the locking system.

Nominal dimensions (mm)		Plain partial door reference
Height (A)	Width (B)	
1200	600	NSYMPD126
1400		NSYMPD146
1600		NSYMPD166
1200	800	NSYMPD128
1400		NSYMPD148
1600		NSYMPD168



3



Drilling template

- Guide for drilling the vertical uprights, prior to installing the partial doors.
- It can be reused.
- Material: zinc-coated steel.

 Supply: one template.

Reference
NSYMDT

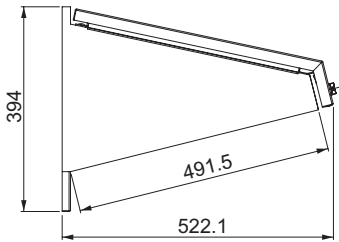
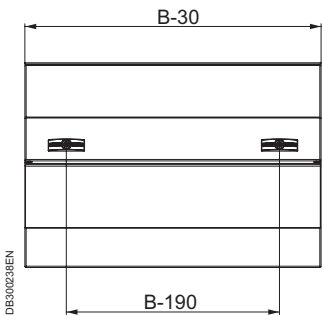


Control desk

- Support for human-machine dialogue.
- It is fixed directly to the structure of the enclosure and can be inserted the same as the partial doors.
- Material: steel painted with epoxy-polyester resin, textured RAL 7035 grey.
- Locking system with small flat escutcheons, made from polyamide 6 with 30% fibreglass, RAL 9005 black, with 3-mm double-bar metal insert.

 Supply: one control desk and fixing elements.

Nominal dimensions (mm)		Reference
Height	Width (B)	
400	600	NSYMCOD264
	800	NSYMCOD284



Compartmentalised enclosure

Composition accessories

Locks

- Locks to replace the 3-mm double-bar lock supplied with the partial doors, folding panel and control desk.
- Models:
 - Transformation of lock with shape inserts, triangular 6.5 mm and square 6 mm.
 - Lock with 2233X key for partial doors.
 - Lock with 2233X key for folding panel and control desk.



Supply:

- One lock with shape inserts, triangular 6.5 mm and square 6 mm: metal body, shape insert and safety washer.
- One lock with 2233X key for partial doors: metal body, insert, bolt, safety washer and key.
- One lock with 2233X key, exclusive for folding panel and control desk: metal body, insert, special bolt, safety washer and key.

Description	Reference
Lock with 6.5-mm triangular insert for control desk and partial, hinged door	NSYMLT6
Lock with 6-mm square insert for partial door, folding panel and control desk	NSYMLS6
Lock with 2233X key for partial door	NSYML23
Lock with 2233X key for folding panel and control desk	NSYMLCD23

Examples of composition accessories

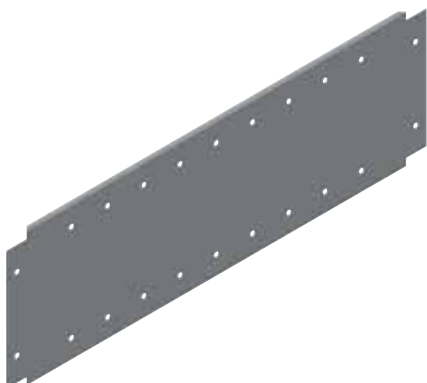


Compartmentalised enclosure

Mounting accessories

3

PB500648



PB500649



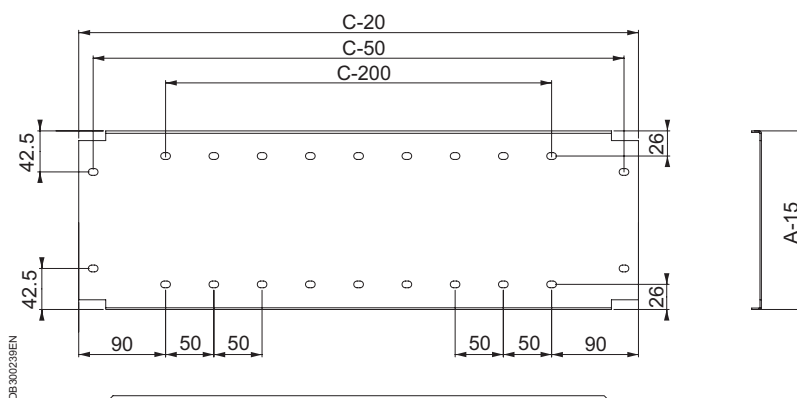
Side partitions

- Side partitions which guarantee good insulation of the compartments.
- Direct fixing on the structure of the enclosure.
- Material: galvanised steel.



Supply: two side partitions panels of 400 mm height. Four side partitions panels of 200 mm height. Fixing elements included.

Nominal dimensions (mm)		Reference
Height (A)	Depth (C)	
200	600	NSYMSC26
	800	NSYMSC28
400	600	NSYMSC46
	800	NSYMSC48



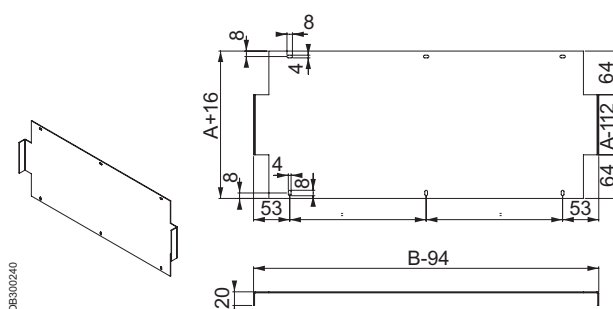
Rear partitions

- Rear enclosing plates for forming modules, also allowing the installation of equipment.
- They are installed at the rear of the partition tray.
- Material: galvanised steel.



Supply: two rear partitions and fixing elements.

Nominal dimensions (mm)		Reference
Height (A)	Width (B)	
200	600	NSYMBC26
400		NSYMBC46
600		NSYMBC66
800		NSYMBC86
1000		NSYMBC106
200	800	NSYMBC28
400		NSYMBC48
600		NSYMBC68
800		NSYMBC88
1000		NSYMBC108



PB500650



PB500651



Compartmentalised enclosure

Mounting accessories



PB500652

Fixing kit

- Provide the fixing of the mounting plate.
- They are fixed to the side enclosing plates.
- Models:
 - Fixed: allow adjustment with a pitch of 50 mm.
 - Adjustable: allow continuous adjustment for depths of 600 and 800 mm.
- Material: zinc-coated steel.



Supply: four units and fixing elements.

Model	Nominal dimensions (mm)	Reference
	Depth	
Fixed	-	NSYCFIX
Adjustable	600	NSYCFIX6
Adjustable	800	NSYCFIX8

3



PB500653

Mounting plate

- Plate for fixing elements.
- It is mounted fixed on the fixing kit, with ref. **NSYCFIX**, or with adjustable depth with ref. **NSYCFIX6** or **NSYCFIX8**.
- Material: galvanised steel.

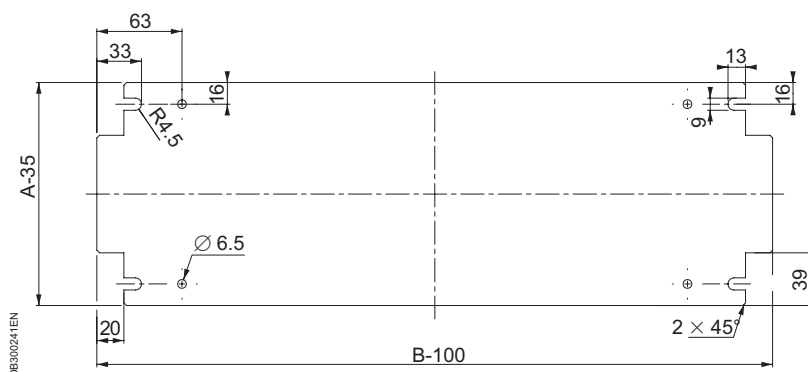


Supply: one mounting plate.

Nominal dimensions (mm)		Reference
Height (A)	Width (B)	
200	600	NSYMP26
400		NSYMP46
600		NSYMP66
800		NSYMP86
1000		NSYMP106
200	800	NSYMP28
400		NSYMP48
600		NSYMP68
800		NSYMP88
1000		NSYMP108



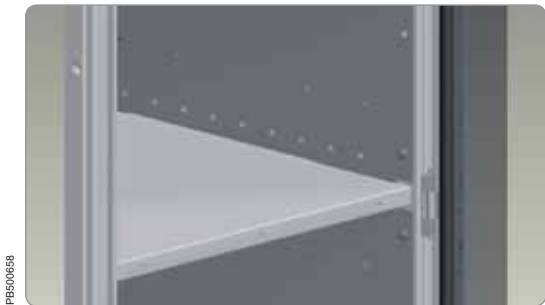
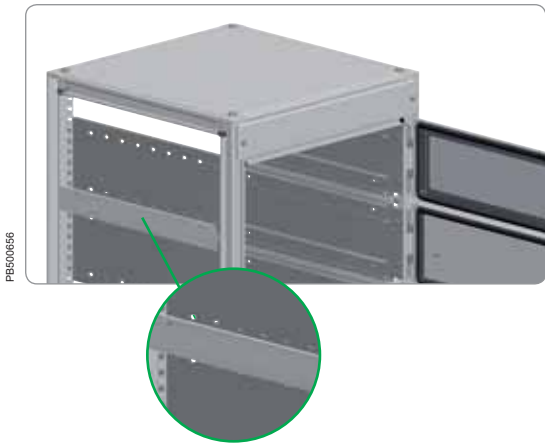
PB500654



Compartmentalised enclosure

Mounting accessories

3



Side enclosing plate

- Plate to be installed between the side partitions, achieving full enclosure of the module.
- It is fixed to the side partition from the outside of the enclosure.
- Material: galvanised steel.

 Supply: two sides enclosings plate and fixing elements.

Spacial SF Dimensions (mm)	Reference
Depth	
600	NSYCMOD6
800	NSYCMOD8

Partition tray

- Guarantees horizontal insulation of the modules.
- It is fixed to the front frame, supported by the side partitions.
- Material: galvanised steel.

 Supply: one partition tray and fixing elements.

Spacial SF dimensions (mm)		Reference
Width	Depth	
600	400	NSYSTR64
	500	NSYSTR65
800	400	NSYSTR84
	500	NSYSTR85

Compartmentalised enclosure

Mounting accessories

Tray crossbar

- To be installed between partial doors separated with a partition tray.
- It is fixed to the partition tray by screws.
- Material: steel painted with epoxy-polyester resin, textured RAL 7035 grey.



Supply: one tray crossbar and fixing elements.

Spacial SF Dimensions (mm)	Reference
Width	
600	NSYTRG6
800	NSYTRG8

PB500659



PB500660

Partial 19" fixed rack

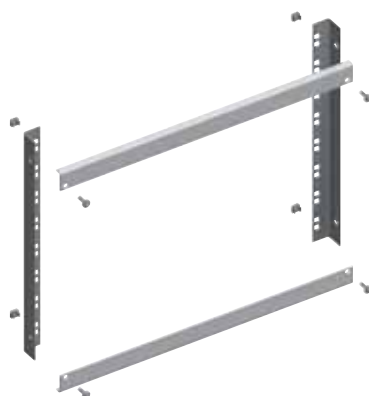
- Designed for coupling to enclosures with a width of 600 mm.
- Direct fixing to the structure, in front position.
- Maximum load: 2 kg/u.
- Material: zinc-coated steel.



Supply: two racks, two horizontal escutcheons and fixing elements.

Enclosure height (mm)	No. of units	Reference
200	3	NSYCRCKP3
400	7	NSYCRCKP7
600	12	NSYCRCKP12
800	16	NSYCRCKP16
1000	21	NSYCRCKP21
1200	25	NSYCRCKP25

PB500661



PB500662



Compartmentalised enclosure

Mounting accessories

Examples of mounting accessories





Technical characteristics

- Enclosure designed to protect computer equipment installed in industrial environments.
- Degree of protection IP55, or IP40 with hinged keyboard.
- Available in two heights: 1600 and 1800 mm.

Composition

- Structure: top and bottom frame and vertical uprights.
- Partial front doors opening to the right, made from steel painted with epoxy-polyester resin, textured RAL 7035 grey.
- Models:
 - Partial door for PC screen, with Securit® anti-glare glass.
 - Plain partial door for CPU (enclosures with height of 1800 mm).
 - Hinged plain door for keyboard.
 - Plain partial door for optional installation of A4 printer support.
- Plain rear door, made from steel painted with epoxy-polyester resin, textured RAL7035 grey. Reversible opening direction (right or left).
- 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.
- Roof and side panels fixed from the inside, made from steel painted with epoxy-polyester resin, textured RAL7035 grey.
- Cable-gland plate with 1 entry.

Certifications

- UL*, CUL.
- *1, 12, 12K.

Spacial SF PC rack dimensions (mm)			No. of compartments	Reference
Height (A)	Width (B)	Depth (C)		
1600	600	600	3	NSYSF16660PC
		800	3	NSYSF16680PC
1800		600	4	NSYSF18660PC
		800	4	NSYSF18680PC



Detail of screen compartment.



Detail of CPU and keyboard compartment with tray.

> Advantage:

Security. The roof and panels, fixed from the inside, prevent access by unauthorised personnel.

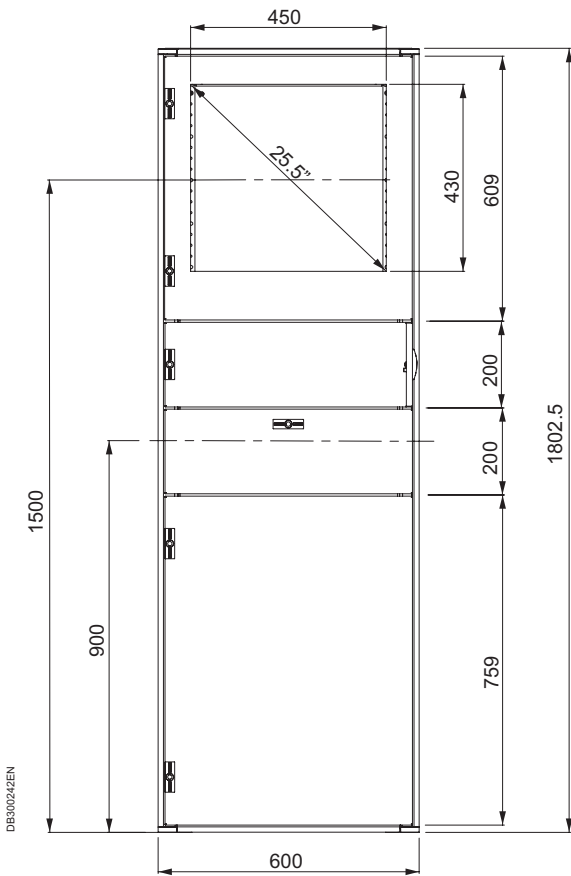
Locks



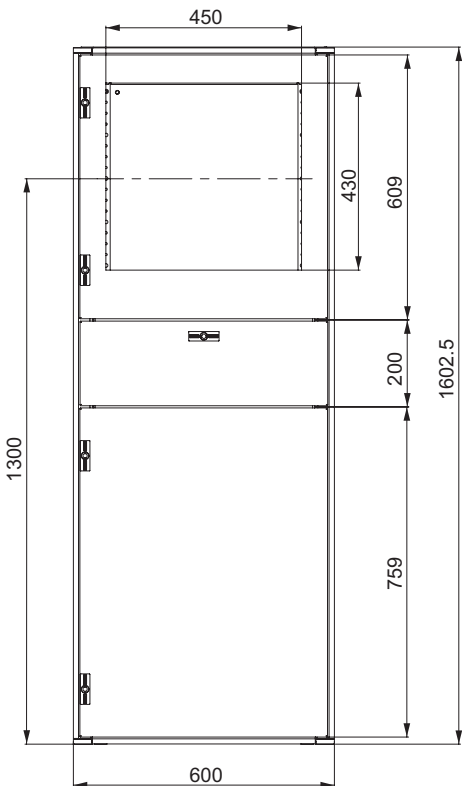
Detail of 3 mm DB lock on partial door.



Detail of 5 mm DB lock on rear door.



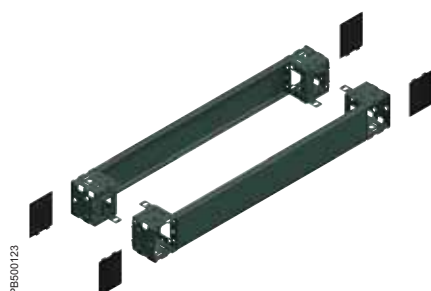
PC rack with a height of 1800 mm.



PC rack with a height of 1600 mm.

PC rack

Composition accessories



Plinth

- See composition accessories: floor, page 3/35.
- Model heights: 100 and 200 mm.

Front plinth



Supply:

- **Height 100 mm:** four corners, two panels (front and rear), four corner covers and fixing elements.
- **Height 200 mm:** four corners, four panels with a height of 100 mm (two front and two rear), four corner covers and fixing elements.

Plinth side panels



Supply:

- **Height 100 mm:** two side panels, four corner covers and fixing elements.
- **Height 200 mm:** four side panels with a height of 100 mm (two for each side), four corner covers and fixing elements.

Spacial SF Dimensions (mm)		Front plinth reference (mm)		Plinth side panel reference (mm)	
Width	Depth	100	200	100	200
600	600	NSYSPF6100	NSYSPF6200	NSYSPS6100	NSYSPS6200
600	800			NSYSPS8100	NSYSPS8200

Locks for partial doors

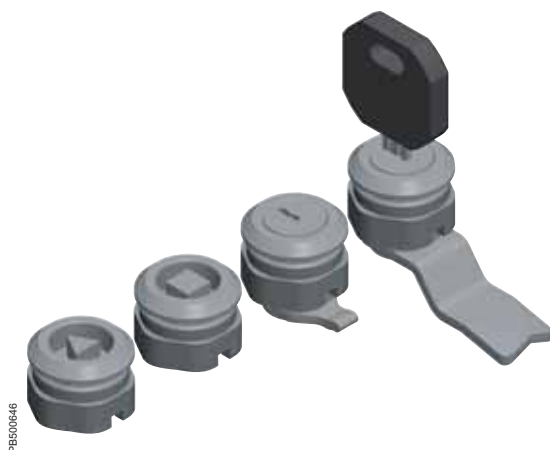
- Locks to replace the 3 mm double-bar lock supplied with the partial doors.
- Models:
 - Transformation of lock with shape inserts, triangular 6.5 mm and square 6 mm.
 - Lock with 2233X key for partial doors.
 - Lock with 2233X key, exclusive for hinged keyboard door.



Supply:

- Lock with shape inserts, triangular 6.5 mm and square 6 mm: metal body, shape insert and safety washer.
- Lock with 2233X key for partial doors: metal body, insert, bolt, safety washer and key.
- Lock with 2233X key, exclusive for hinged keyboard door: metal body, insert, special bolt, safety washer and key.

Description	Reference
One lock with 6.5 mm triangular insert for partial and hinged door	NSYMLT6
One lock with 6 mm square insert for partial and hinged door	NSYMLS6
One lock with 2233X key for partial door	NSYML23
One lock with 2233X key for hinged keyboard door	NSYMLCD23

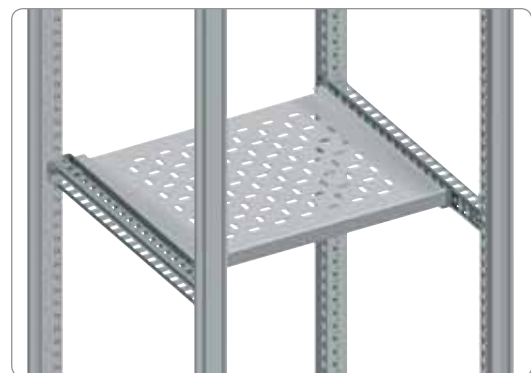


PC rack

Composition accessories



Tray installed on the structure



Tray installed on cross rails

> Advantage:

Withstands loads of up to 150 kg.

Fixed tray

- Tray with option for direct fixing to the structure if the tray is the same size as the enclosure and on cross rails if it is smaller.
- Depth adjustable with a pitch of 25 mm in this case.
- Provided with cut-outs for improving air circulation inside.
- Material: steel painted with epoxy-polyester resin, RAL 7035 grey.
- Acceptable load: 150 kg, evenly distributed.
- Tray height: 30 mm.



Supply: one fixed tray and fixing elements.

Spacial SF dimensions (mm)		Tray dimensions (mm)	Reference
Width	Depth		
600	400	482 × 290 × 30	NSYFXT6040
	500	482 × 390 × 30	NSYFXT6050
	600	482 × 490 × 30	NSYFXT6060
800	400	682 × 290 × 30	NSYFXT8040
	500	682 × 390 × 30	NSYFXT8050
	600	682 × 490 × 30	NSYFXT8060

Telescopic rails

- The telescopic rails can be installed directly on the structure of the enclosure or on cross rails.
- The installation of a telescopic tray consists of the following:
 - 1 fixed tray.
 - 2 telescopic rails (fixed directly to the structure).
- End-of-travel stop of the rails in open and closed position.
- Material: zinc-coated steel.
- Acceptable load: 50 kg, evenly distributed.



Supply: two telescopic rails and fixing elements.

Spacial SF Dimensions (mm)	Reference
Depth	
400	NSYTTG40
500	NSYTTG50
600	NSYTTG60



Telescopic rails fixed to the structure



Telescopic rails fixed to cross rails

PC rack

Mounting accessories

Tray cross rails

- Cross rails that allow the installation of fixed trays and telescopic rails. Quick-fixing and universal cross rails, see page 7/35.

Spacial SF Dimensions (mm)	Universal cross rail reference	Quick cross rail reference
Depth	40 mm (1 row)	40 mm (1 row)
400	NSYSUCR4040	NSYSQCR4040
500	NSYSUCR4050	NSYSQCR4050
600	NSYSUCR4060	NSYSQCR4060
800	NSYSUCR4080	NSYSQCR4080

3



PB500671

Handle for telescopic trays

- Handle designed for easy extraction of the sliding trays.
- Material: polyamide 6 (black).



Supply: two units and fixing elements.

Reference

NSY1TH



PB500672

Printer support

- Support for placing an A4 printer, with area reserved for paper.
- Fixed directly to the structure of the enclosure, with a depth of 600 mm. For a depth of 800 mm, it can be installed with 40 mm (1 row) universal or quick-fixing cross rails, see page 7/37.
- Material: steel painted RAL 7035 grey.



Supply: one printer support and fixing elements.

Reference

NSYPSA4



PB500673

3



Suitable metal enclosure for electronic applications

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 3/104.

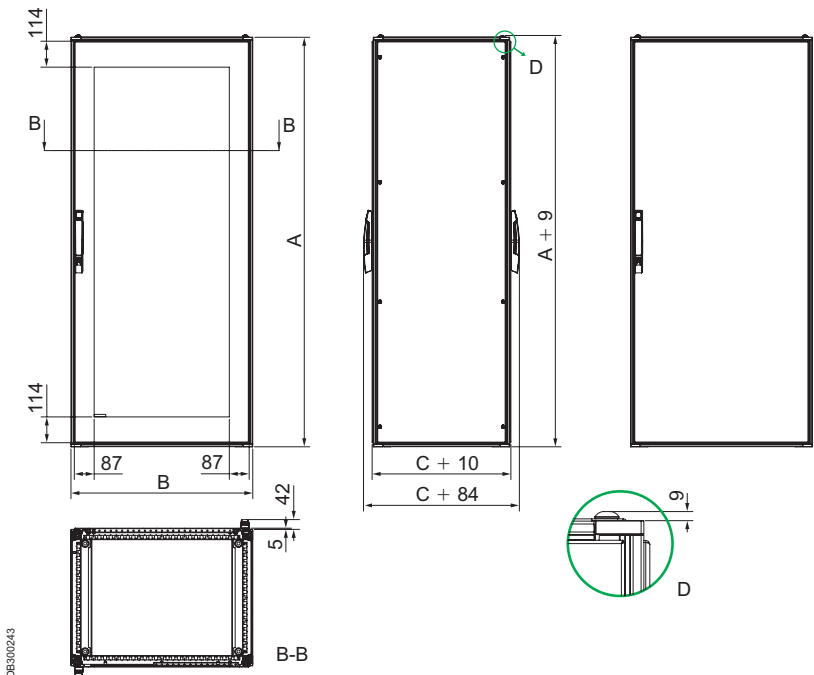
Composition

- Structure: top and bottom frame and vertical uprights.
- Transparent front door, made from sheet steel, painted with epoxy-polyester resin, textured RAL7035 grey, with Securit® glass.
- Plain rear door, made from sheet steel, painted with epoxy-polyester resin, textured RAL7035 grey:
- Standard locking system with handle and 5-mm double-bar insert.
- Removable roof.
- External fixing side panels, made from sheet steel, painted with epoxy-polyester resin, textured RAL 7035 grey, 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.

Certifications

- BV, DNV, UL*, CUL.
*1, 12, 12K.

Spacial SF electronic application enclosure dimensions (mm)			Reference
Height (A)	Width (B)	Depth (C)	
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



Electronic application

Composition accessories

Plinth

- See composition accessories: floor, page 3/35.
- Model heights: 100 and 200 mm.

Front plinth



Supply:

- **Height 100 mm:** four corners, two panels (front and rear), four corner covers and fixing elements.
- **Height 200 mm:** four corners, four panels (two front and two rear), four corner covers and fixing elements.

Plinth side panels



Supply:

- **Height 100 mm:** two side panels, four corner covers and fixing elements.
- **Height 200 mm:** four side panels (height of 100 mm, two for each side), four corner covers and fixing elements.

Spacial SF Dimensions (mm)		Front plinth reference (mm)		Side panel plinth reference (mm)	
Width	Depth	100	200	100	200
600	600	NSYSPF6100	NSYSPF6200	NSYSPS6100	NSYSPS6200
	800			NSYSPS8100	NSYSPS8200
	1000			NSYSPS10100	NSYSPF10200
800	600	NSYSPF8100	NSYSPF8200	NSYSPS6100	NSYSPS6200
	800			NSYSPS8100	NSYSPS8200
	1000			NSYSPS10100	NSYSPF10200

Ventilated front plinth



Supply:

- **Height 100 mm:** four corners, two ventilated panels (front and rear), four corner covers and fixing elements.

Ventilated plinth side panels



Supply:

- **Height 100 mm:** two ventilated side panels, four corner covers and fixing elements.

Spacial SF dimensions (mm)		Ventilated front plinth reference	Ventilated plinth side panel reference
Width	Depth	100 mm	
600	600	NSYSPFV6100	NSYSPV6100
	800		NSYSPV8100
800	600	NSYSPFV8100	NSYSPV6100
	800		NSYSPV8100

PE500123

PE500124

PE500563

PE500564

Cable-gland plates

- See composition accessories: cable gland, page 3/48.
- Models: plain plates, with one entry and two entries.

Plain cable-gland plate

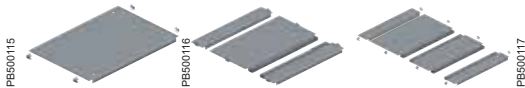
 Supply: One plain plate and fixing elements.

Cable-gland plate with 1 entry

 Supply: one plate with one entry, self-extinguishing polyurethane adhesive gasket with cross-section of 15 × 25 mm, which guarantees good sealing, and fixing elements.

Cable-gland plate with 2 entries

 Supply: one plate with two entries, self-extinguishing polyurethane adhesive gasket with cross-section of 15 × 25 mm, which guarantees good sealing, and fixing elements.



Nominal dimensions (mm)		Reference		
Width	Depth	Plain	With 1 entry	With 2 entries
600	600	NSYEC66	NSYEC661	NSYEC662
	800	NSYEC68	NSYEC681	NSYEC682
	1000	NSYEC610	NSYEC6101	NSYEC6102
800	600	NSYEC86	NSYEC861	NSYEC862
	800	NSYEC88	NSYEC881	NSYEC882
	1000	NSYEC810	NSYEC8101	NSYEC8102



Ventilated cable-gland plates

- Plates for cable entry from the bottom of the enclosure.
- Material: galvanised steel.
- Thickness: 1.5 mm.
- Fixing by C-shaped clip, fixed with screws, providing electrical continuity through the clip.
- 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).

 Supply: one ventilated plate with one entry, self-extinguishing polyurethane adhesive gasket with cross-section of 15 × 25 mm, and fixing elements.

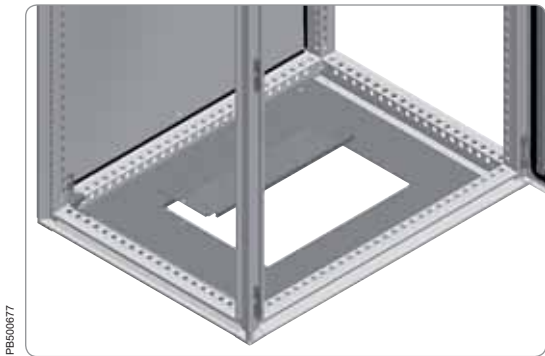
Nominal dimensions (mm)		Reference
Width	Depth	
600	600	NSYECV661
	800	NSYECV681
	1000	NSYECV6101
800	600	NSYECV861
	800	NSYECV881
	1000	NSYECV8101



Enclosure width 600 mm



Enclosure width 800 mm



Cable-gland support for CaSys plates

- Support for cable entry from the bottom of the enclosure.
- Allows the installation of CaSys cable-gland accessories.
- Material: galvanised steel.
- Thicknesses: 1.5 mm.
- Fixing by C-shaped clip, fixed with screws, providing electrical continuity through the clip.
- The CaSys 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.

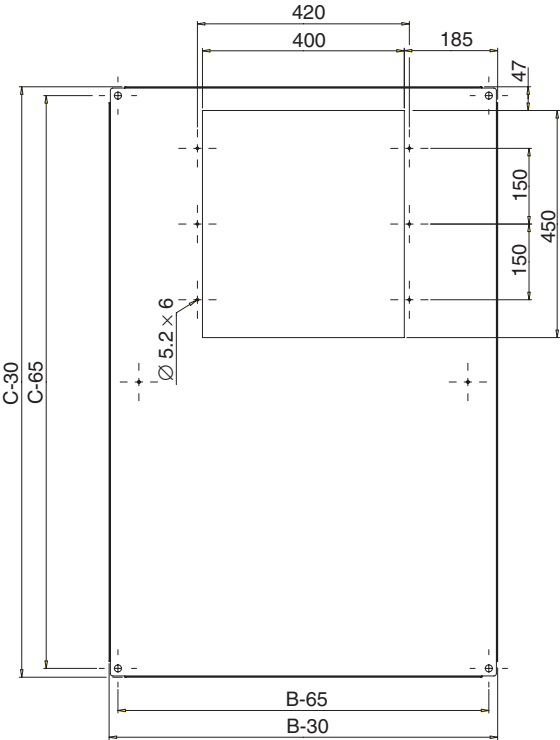
-  Supply:
- Enclosure width 600 mm: two plates and fixing elements.
 - Enclosure width 800 mm: one support and fixing elements.

Nominal dimensions (mm)		Reference
Width	Depth	
600	600	NSYCECS66
	800	NSYCECS68
	1000	NSYCECS610
800	600	NSYCECS86
	800	NSYCECS88
	1000	NSYCECS810

Roof for CaSys plates

- Roof prepared for installing CaSys roof accessories.
 - Suitable for enclosures with widths of 600 and 800 mm.
 - Material: steel painted with epoxy-polyester resin, RAL 7035 grey.
-  Supply: one roof with central cut-out and side pre-cuts (width 800 mm).

Spacial SF dimensions (mm)		Reference
Width (B)	Depth (C)	
800	600	NSYSRSYS86
	800	NSYSRSYS88
	1000	NSYSRSYS810



Plain top roof plate

- Removable plate made from folded sheet steel.
- Option of installing roof elevators for aeration, ref. **NSYEX206**, and cable glands.
- Material: steel painted with epoxy-polyester resin, RAL 7035 grey.

 Supply: one plain top roof plate and fixing elements.

Reference
NSYTSPC450

Electronic application

Composition accessories

PB500681



Top roof plate with brush gasket

- Removable folded sheet-steel plate, equipped with a gasket with cable-gland brush.
- Optional installation of roof elevators for aeration, ref. **NSYEX206**, and cable-gland plates.
- Material: steel painted with epoxy-polyester resin, RAL 7035 grey.

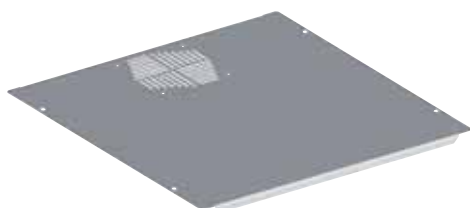


Supply: one top roof plate with brush gasket and fixing elements.

Reference

NSYTSP450

PB500682



Cut-out top roof plate

- Removable plate made from folded sheet steel.
- Optional installation of roof elevators for aeration, ref. **NSYEX206**, cable-gland plates and fans.
- Material: steel painted with epoxy-polyester resin, RAL 7035 grey.



Supply: one cut-out top roof plate and fixing elements.

Reference

NSYTSPV450

PB500683



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

PB500684



Plain cable-gland plate

- Fixing on the outside of the roof.
- Can be combined with other types of cable-gland plates.
- Material: galvanised steel.



Supply: one plain cable-gland plate and fixing elements.

Reference

NSYEC440

Electronic application

Composition accessories



PB500685

Cable-gland plate with brush

- Fixing on the outside of the roof.
- Can be combined with other types of cable-gland plates.
- Material: galvanised steel.



Supply: one cable-gland plate with brush and fixing elements.

Reference

NSYECF440



PB500686

Self-ventilated cable-gland plate

- Fixing on the outside of the roof.
- Can be combined with other types of cable-gland plates.
- Material: galvanised steel.



Supply: one self-ventilated cable-gland plate and fixing elements.

Reference

NSYECV440



PB500687

Ventilation plate with cut-outs and with or without fans, 120 mm

- Fixing on the outside of the roof.
- Can be combined with other types of cable-gland plates.
- 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.
- Sound level: 34 dB (A).



Supply: one cable-gland plate with or without fans, 2-m power cord (version with fans) and fixing elements.

Description	Reference
No fans, 3 positions	NSYECVT3440
With 3 fans	NSYECVT3V440
No fans, 2 positions	NSYECVT2440
With 2 fans	NSYECVT2V440



PB500688

Cable-gland filter

- To be mounted on the cable-gland plate with or without fan or on the self-ventilated cable-gland plate.



Supply: one mounting support, colour RAL 9011, and filter.

Reference

NSYFECVT440

PB500690



Spare cable-gland filter

- Spare filter.

 Supply: five units.

Reference
NSYCEFILS

Examples of possible combinations of cable-gland plates for the roof

Spacial SF dimensions (mm)		Combination 1	Combination 2
Width	Depth		
600/800	600		
	800		
	1000		



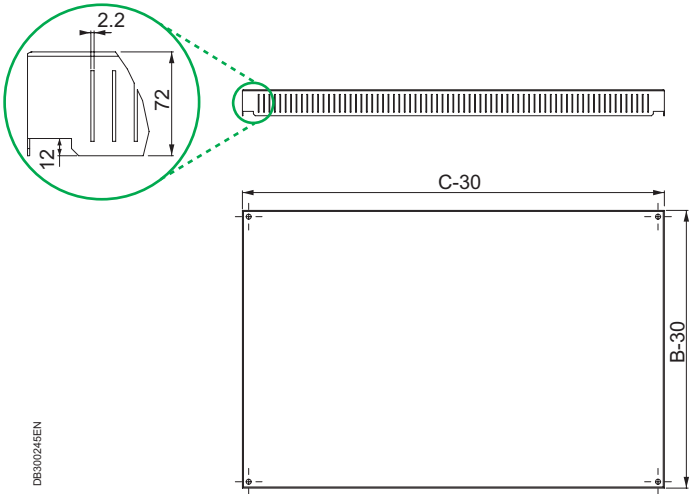
PB500596

Ventilated roof

- Roof for providing natural ventilation for the enclosure, with IP30 protection.
- Material: steel.
- Height: an extra 63 mm in relation to the structure.
- Finish: painted with epoxy-polyester resin, RAL 7035 grey.

 Supply: one ventilated roof and fixing elements.

Nominal dimensions (mm)		Reference
Width (B)	Depth (C)	
600	600	NSYSVR606
	800	NSYSVR608
800	600	NSYSVR806
	800	NSYSVR808



DB3000246EN

Electronic application

Composition accessories

Ventilated door for 19" racks

- Door designed to achieve natural ventilation of the enclosure.
- Installation on enclosures with a width of 800 mm, equipped with centred fixed or swing racks.
- Opening of 120°.
- Material: steel painted with epoxy-polyester resin, textured RAL 7035 grey.
- Standard locking system with handle and 5-mm double-bar insert.

 Supply: one ventilated door for racks.

Nominal dimensions (mm)		Single ventilated door reference	Double ventilated door reference
Height	Width		
1200	600	NSYPCVD126	NSYPCV2D126
	800	NSYPCVD128	NSYPCV2D128
1400	800	NSYPCVD148	NSYPCV2D148
1600	800	NSYPCVD168	NSYPCV2D168
1800	800	NSYPCVD188	NSYPCV2D188
2000	600	NSYPCVD206	NSYPCV2D206
	800	NSYPCVD208	NSYPCV2D208
2200	600	NSYPCVD226	NSYPCV2D226
	800	NSYPCVD228	NSYPCV2D228



Transparent door for off-centre racks

- Transparent door for installation in enclosures with off-centre 19" racks.
- Shows only the devices mounted on the 19" rack.
- Opening of 120°.
- Lock with handle and 5-mm double-bar insert, four locking points.
 - 2 points, heights of 1200 and 1400 mm.
 - 4 points, heights of 1600 to 2200 mm.
- Door stop profile.
- Opening to the right or left.
- Width of the glass 485 mm, off-centre by 77 mm.
- Material: steel and Securit® glass.
- Finish: painted with epoxy-polyester resin, RAL 7035 grey, textured.

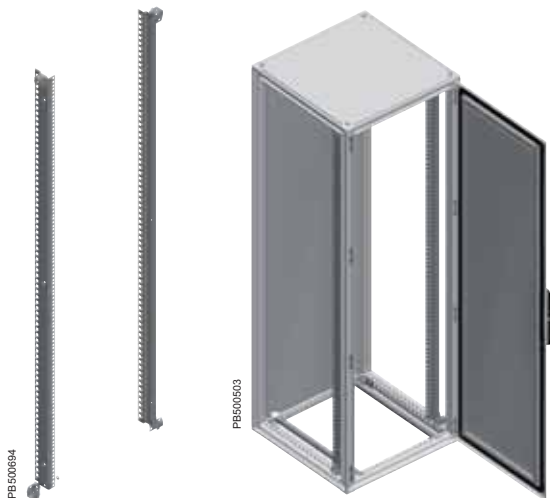
 Supply: one off-centre transparent door.

Nominal dimensions (mm)		Reference
Height	Width	
1200	800	NSYED128T
1400		NSYED148T
1600		NSYED168T
1800		NSYED188T
2000		NSYED208T
2200		NSYED228T

Electronic application

Mounting accessories

3

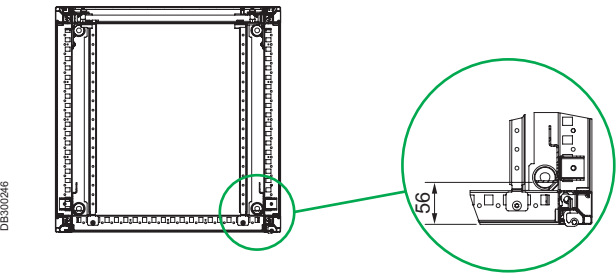
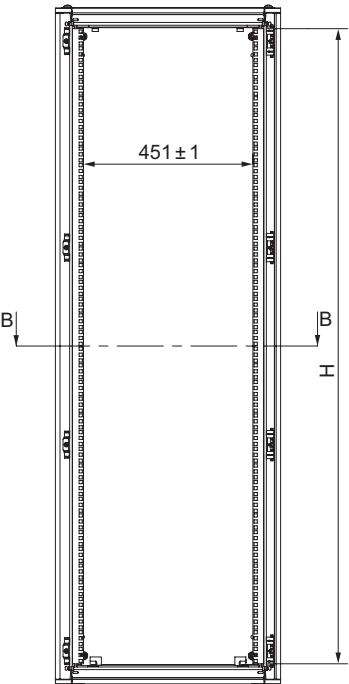


19" fixed rack

- Rack designed for installation in enclosures with a width of 600 mm.
- **Spacial SF:** Direct fixing on the structure of the enclosures.
 - For installation on enclosures with a width of 800 mm, use the 19" fixed-rack support brackets.
 - 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. **NSYRCK19KIT**.
- **Spacial SM:** fixing on the top/bottom adjustment rails.
- Adjustable depth with a pitch of 25 mm.
- Maximum load: 400 kg.
- Material: zinc-coated steel.

 Supply: two uprights and fixing elements.

Nominal dimensions (mm)	No. of units (H)	Reference
Height		
1200	24	NSYRCK24
1400	29	NSYRCK29
1600	33	NSYRCK33
1800	38	NSYRCK38
2000	42	NSYRCK42
2200	47	NSYRCK47



Electronic application

Mounting accessories

Support brackets for 19" fixed rack with 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.
- Maximum load: 400 kg.
- Material: zinc-coated steel.



Supply: four support brackets and fixing elements.

Nominal dimensions (mm)	Reference
Depth	
600	NSYRCKS6
800	NSYRCKS8
1000	NSYRCKS10

Side plates of the centred fixed rack for a width of 800 mm

- Side plates for coupling to the fixed rack in enclosures with a width of 800 mm.
- Direct installation on the rack by screws.
- Material: steel painted with epoxy-polyester resin, textured RAL 7035 grey.



Supply: two side plates and fixing elements.

Nominal dimensions (mm)		Reference
Height	Width	
1200	800	NSYRC12
1400		NSYRC14
1600		NSYRC16
1800		NSYRC18
2000		NSYRC20
2200		NSYRC22

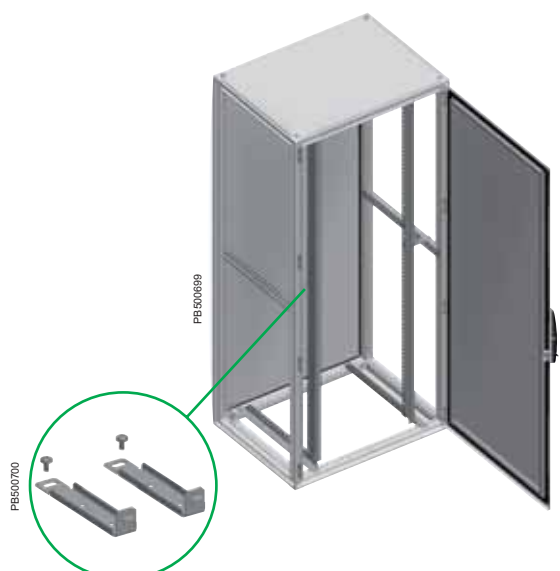
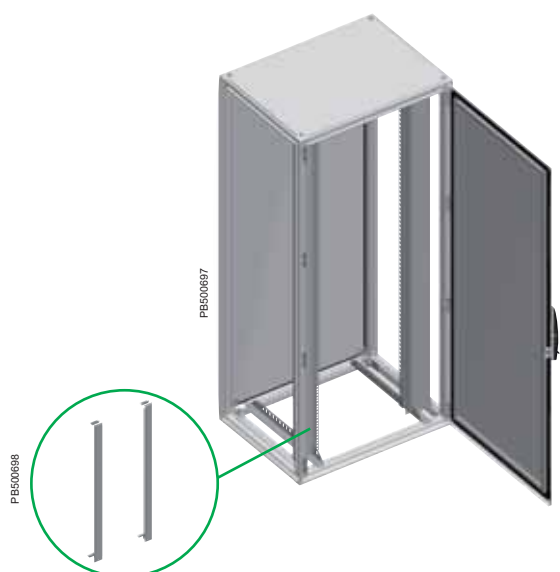
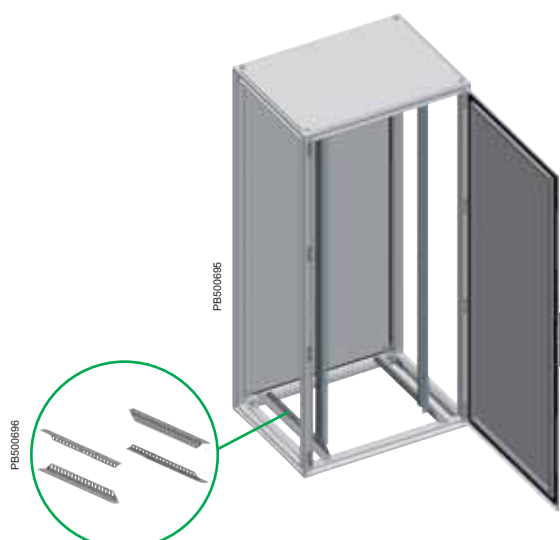
Central fixing kit

- 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 7/38.
- Material: zinc-coated steel.



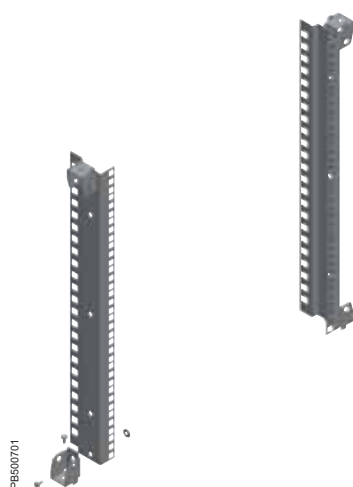
Supply: two supports and fixing elements.

Reference
NSYRCK19KIT



Electronic application

Mounting accessories



(1)

Partial 19" fixed rack

- Rack designed for coupling in enclosures with a width of 600 mm.
- Installation options (**Spacial SF**):
 - Installation at the top front of the enclosure, no cross rails needed (image 1).
 - Depth adjustment of the cross rails: two cross rails need to be installed, see page 7/35.
 - For installation at any other height, four depth cross rails are required (image 2).
- Installation options (**Spacial SM**):
 - At the top of the enclosure (image 1): install two depth cross rails, see cross rails on page 7/30.
 - At another height (image 2): install four cross rails for depthwise installation.
 - 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.
- Adjustable depth with a pitch of 25 mm.
- Maximum load: 2 kg/U.
- Material: zinc-coated steel.



Supply: two uprights and fixing elements.

Rack height (mm)	No. of units	Reference
200	4	NSYRCKP4
400	8	NSYRCKP8
600	12	NSYRCKP12
800	17	NSYRCKP17
1000	21	NSYRCKP21
1200	26	NSYRCKP26



(2)

Electronic application

Mounting accessories

19" swing racks for 800 mm enclosures

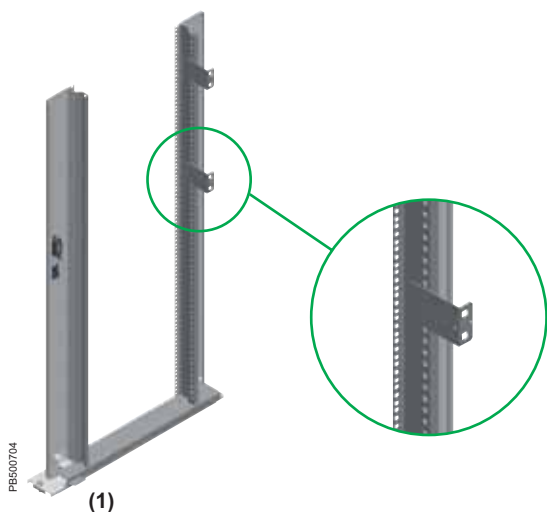
- Racks prepared for direct coupling to enclosures with a width of 800 mm.
 - **Spacial SF**: fixing to the structure of the enclosure.
 - **Spacial SM**: fixing on the top/bottom adjustment rails.
 - Can be moved depthwise with a pitch of 25 mm.
 - Maximum load: 3 kg/U.
 - Maximum opening: 120° (possibility of opening to 180° using 180° hinges).
 - Reversible opening direction: left/right.
 - Handle opening system with ball lock.
 - Maximum equipment installation depth:
- Off-centre 19" swing rack:
- 120° = 470 mm.
 - 180° = 425 mm.
- Centred 19" swing rack:
- 120° = 390 mm.
 - 180° = 345 mm.
- **Spacial SF**: multiple installation options in enclosures with a width of more than 800 mm (1000, 1200 or 1600 mm), by using universal, see page 7/35.
 - **Spacial SM**: option for installing the racks in enclosures with a width of 1600 mm by using universal, see page 7/35.
 - Components:
 - Zinc-coated steel central structure.
 - Side plate made from steel painted with epoxy-polyester resin, textured RAL 7035 grey. Fixed to the central structure by screws.
 - The cross rail of the double-folded rack increases the installation options.
 - Rear fixing uses self-tapping M6 screws, and side fixing is possible by means of quick-installation accessories (image 1).
 - Lateral adjustment is possible with the rack installed and loaded.



Supply:

- Off-centre 19" swing rack: hinged rack, 800-mm swing rack supports, side lid with ball-lock handle and fixing elements.
- Centred 19" swing rack: swing rack, 800-mm swing rack supports, side plates with ball-lock handle and fixing elements.

Nominal dimensions (mm)		No. of units	Off-centre 19" hinged rack reference	Centred 19" hinged rack reference
Height (A)	Width (B)			
1400	800	27	NSYRSW27	NSYRWC27
1600		31	NSYRSW31	NSYRWC31
1800		36	NSYRSW36	NSYRWC36
2000		40	NSYRSW40	NSYRWC40
2200		45	NSYRSW45	NSYRWC45



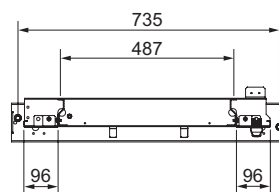
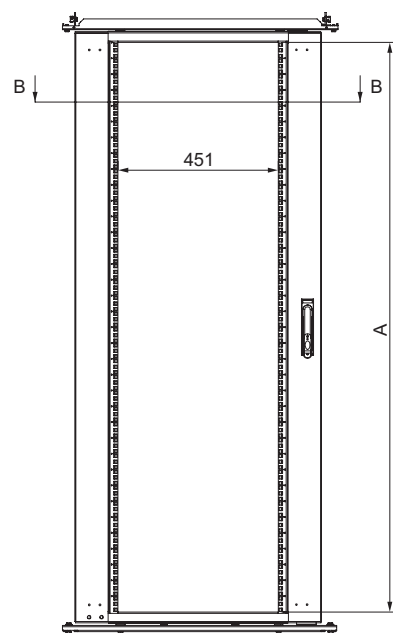
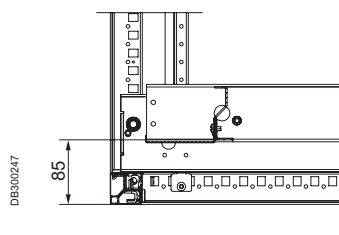
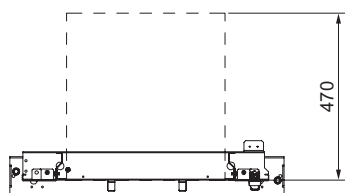
> Advantage:

It is possible to adjust the height with the rack installed and loaded.

Electronic application

Mounting accessories

3



B-B



180° hinge

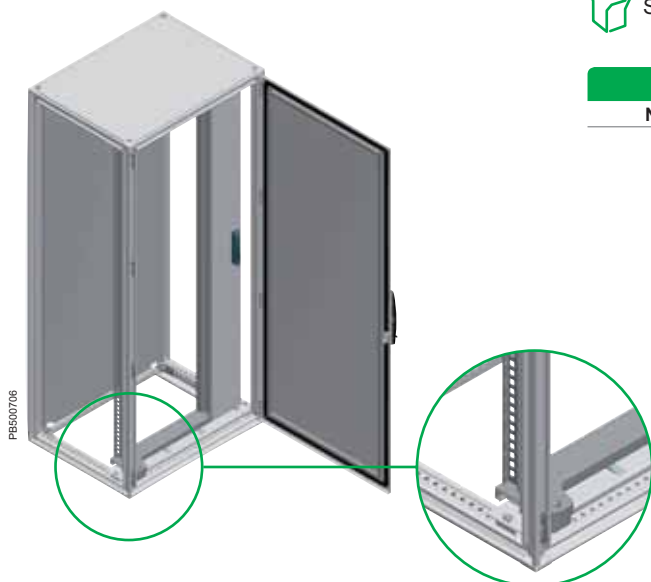
- Hinge for installation on centred and off-centre 19" swing racks.
- Allows the swing rack to be opened to 180°.
- Fixing by M8 screws directly to the swing rack.
- Maximum equipment installation depth:
 - Off-centre 19" swing rack: 425 mm.
 - Centred 19" swing rack: 345 mm.
- Material: zamak 5.



Supply: two hinges and fixing elements.

Reference

NSYRSWH180



Electronic application

Mounting accessories



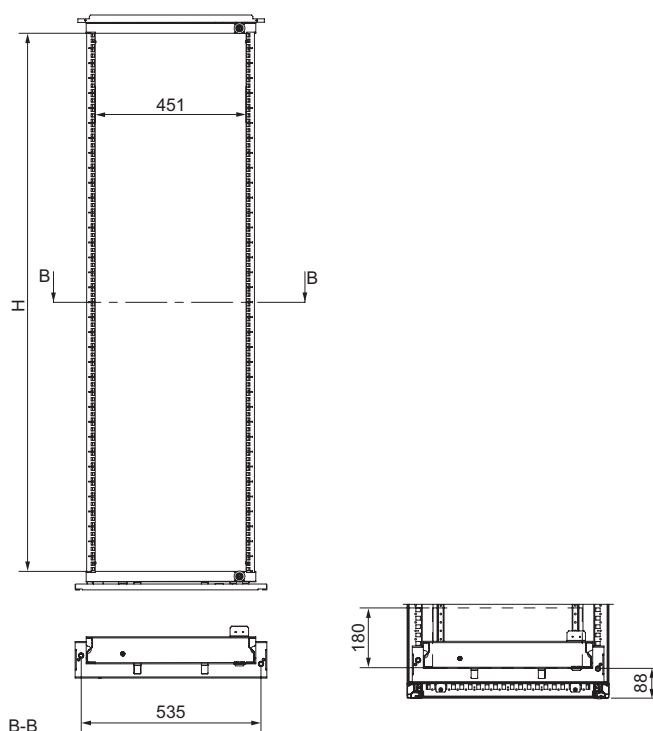
19" swing rack with no panels

- To be coupled to enclosures with widths of 600 mm.
- It is required the use of 19" swing rack support, ref. **NSYRSW6**.
- **Spacial SF**: fixing to the enclosure structure at any height using supports for 19" swing racks.
- **Spacial SM**: fixing to the enclosure on the top/bottom adjustment rails using supports for 19" swing racks.
- Can be moved depthwise with a pitch of 25 mm.
- Maximum load: 1.5 kg/U.
- Maximum opening: 120°.
- Maximum equipment installation depth: 180 mm, in enclosures with a width of 600 mm.
- Fixing to the enclosure structure:
 - **Spacial SF**: fixing to the entire height of the enclosure structure.
 - **Spacial SM**: fixing to the enclosure on top/bottom adjustment rails (order rails separately).
- Installation options:
 - **Spacial SF - SM**: 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 7/35).
 - **Spacial SF - SM**: 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 7/35).
- Material: zinc-coated steel.
- Reversible opening direction: left/right.
- Locking system, top and bottom, with 5-mm double-bar key.



Supply: one 19" swing rack with no panels.

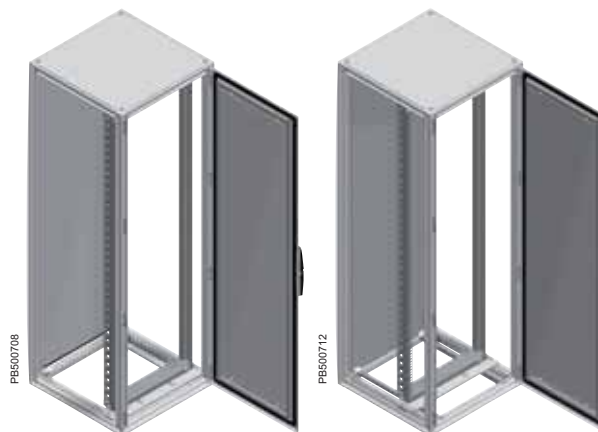
Nominal dimensions (mm)		No. of units	Reference
Height (A)	Width (B)		
1400	600	27	NSYRSW627
1600		31	NSYRSW631
1800		36	NSYRSW636
2000		40	NSYRSW640
2200		45	NSYRSW645



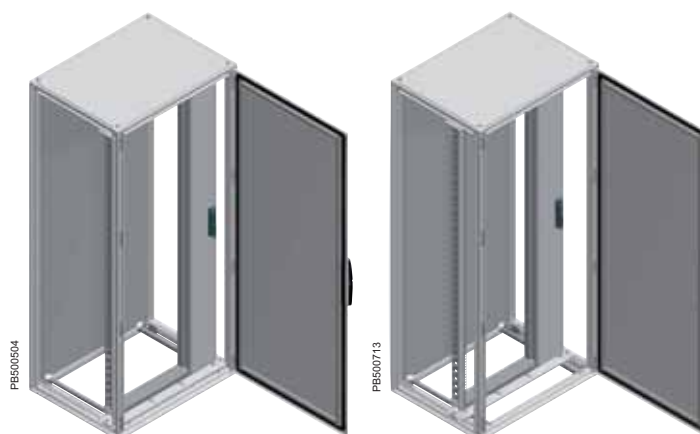
Electronic application

Mounting accessories

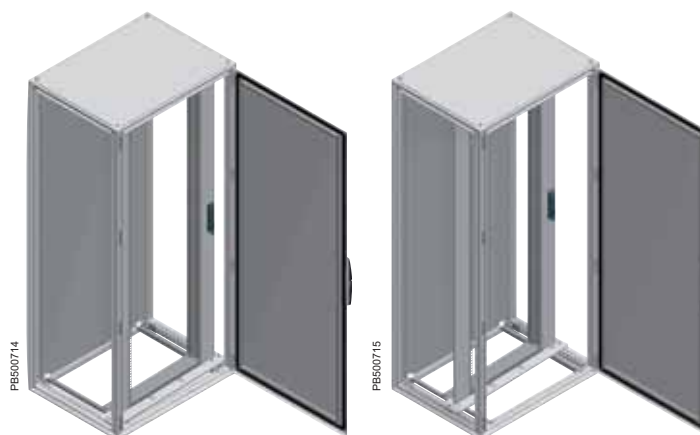
Examples of alternatives for 19" swing racks



19" swing rack in enclosure with a width of 600 mm.



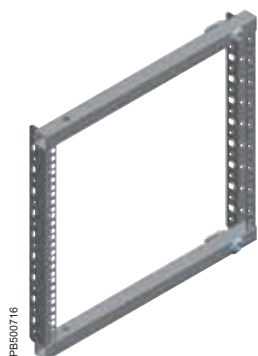
Off-centre 19" swing rack in enclosure with a width of 800 mm.



Centred 19" swing rack in enclosure with a width of more than 800 mm.

Electronic application

Mounting accessories



Partial 19" swing rack

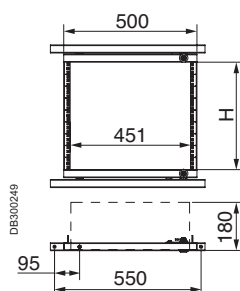
- Rack for coupling to enclosures with widths of 600 and 800 mm.
- In enclosures with a width of 800 mm, the rack can be installed centred or off-centre.
- **Spacial SF:** Fixing to the highest position of the enclosure by means of supports for partial 19" swing rack.
- **Spacial SM:** Fixing to the highest position of the enclosure by means of supports for partial 19" swing rack and vertical adaptation profiles.
- 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. **NSYMBR19**; and for moving depthwise and up or down, four cross rails are required. See universal cross rails, page 7/35.
- **Spacial SM:** 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.
- Maximum load: 2 kg/u.
- Maximum opening: 120°.
- Material: zinc-coated steel.
- Reversible opening direction: left/right.
- Locking system, top and bottom, with 5 mm double-bar key. The 6 and 9 units racks only with bottom lock.
- Maximum equipment installation depth: 180 mm, in enclosures with a width of 600 mm.



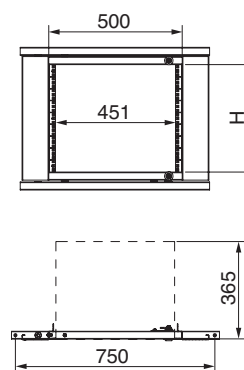
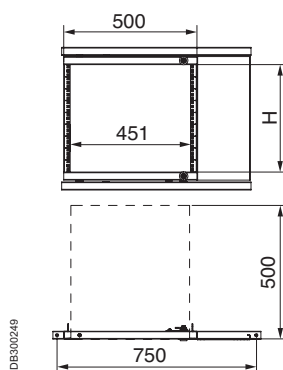
Supply: one partial 19" swing rack.

Rack height (mm)	Nominal dimensions (mm)	No. of units (H)	Reference
	Width (B)		
355	600/800	6	NSYRSWP6
468		9	NSYRSWP9
601		12	NSYRSWP12
735		15	NSYRSWP15
868		18	NSYRSWP18
1002*		21	NSYRSWP21

*Optional installation in enclosures with height of 1200 mm.



Partial 19" swing rack for enclosures with a width of 600 mm.



Partial 19" swing rack, off-centre and centred, for enclosures with a width of 800 mm.

Electronic application

Mounting accessories

Partial 19" swing rack support

- Supports for coupling the partial swing rack to enclosures with widths of 600 and 800 mm.
- Installation of the rack in centred or off-centre position, for enclosures with a width of 800 mm.
- **Spacial SF**: direct fixing to the structure.
- **Spacial SM**: fixing to the enclosure by means of the vertical adaptation profile, page 7/33.
- 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. **NSYMBR19**.
- Material: zinc-coated steel.

 Supply: two supports and fixing elements.

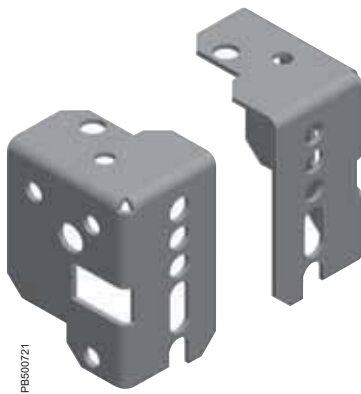
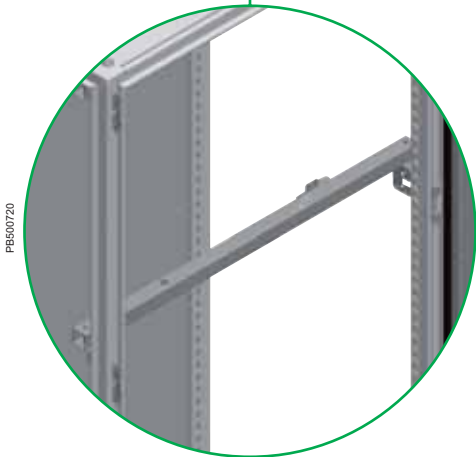
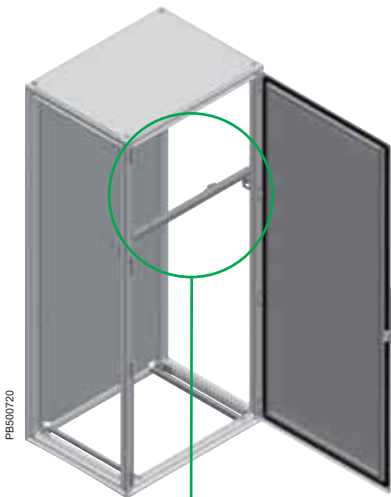
Nominal dimensions (mm)	Reference
Width	
600	NSYRSWSP6
800	NSYRSWSP8

19" multiple bracket

- 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.
- Material: zinc-coated steel.

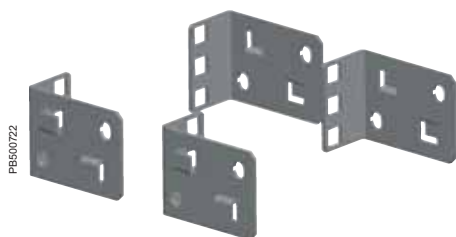
 Supply: four brackets and fixing elements.

Reference
NSYMBR19



Electronic application

Mounting accessories



1 U / 3 U support

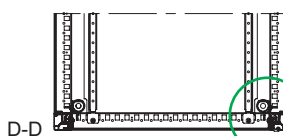
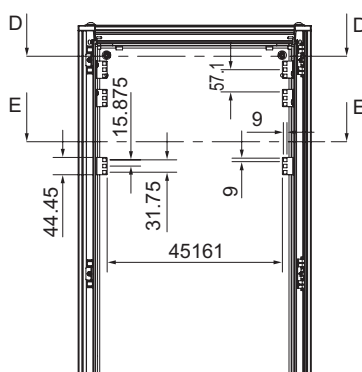
- Support prepared for installing equipment 1 U or 3 U high.
- Designed with quick locking for easy installation.
- **Spacial SF**: direct fixing to the structure.
- **Spacial SM**: fixing to the enclosure by means of the vertical adapter section, page 7/33.
- Material: zinc-coated steel.



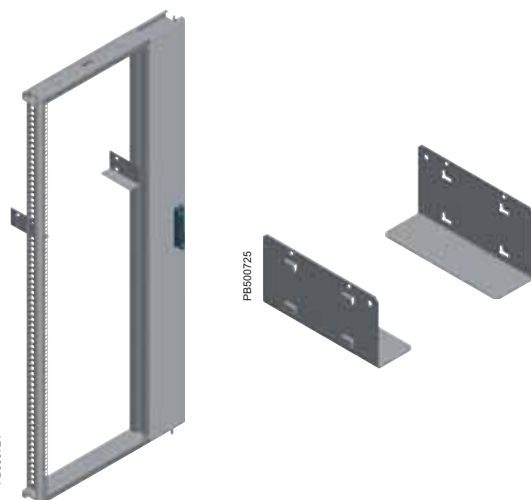
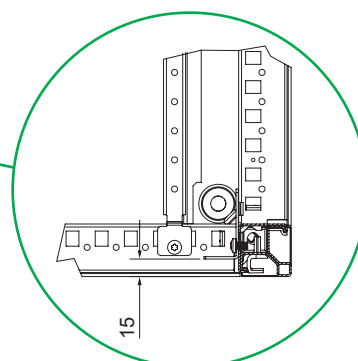
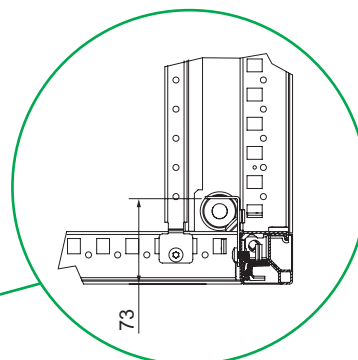
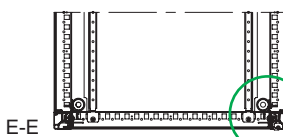
Supply: four 1 U/3 U supports (2 units right and 2 units left) and fixing elements.

Reference

NSYRC1U



DB300250EN



19" rack rail

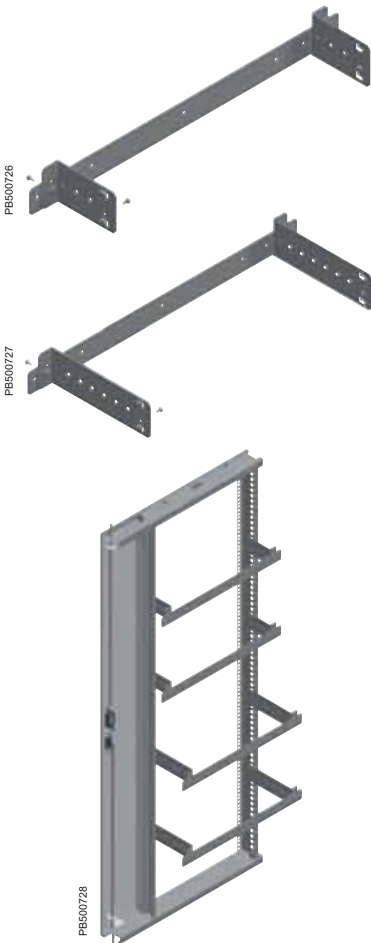
- Rails for installation on fixed or swing racks.
- Direct fixing on the structure of the enclosure, by quick locking.
- Maximum load: 15 kg.
- Material: zinc-coated steel.
- Thickness: 1.2 mm.



Supply: two rails and fixing elements.

Reference

NSYGB140



Rear cable-guide support

- Supports used for installation on the rear of the swing racks.
- Suitable for fixing cable-guide accessories.
- Allow vertical fixing of cable ducts:
- Adjustable depth with a pitch of 44.45 mm.
- Material: zinc-coated steel.

 Supply: two cable-guide supports, crossbar and fixing elements.

Service depth (mm)	Reference
150	NSYRCSUP15
250	NSYRCSUP25

3



Fixing of cable ducts on 19" racks

- Allows vertical fixing of cable ducts for cable guide.
- Service depth: 150 mm.
- Fixed by quick locking to the 19" rack profile.
- Material: zinc-coated steel.

 Supply: three units and fixing elements.

Reference
NSYRCDFIX

Electronic application

Door accessories



120° mechanical door stop

- Door stop for installation on the swing racks.
- Direct fixing to the rack support and the 19" rack.
- Maximum opening: 120°.



Supply: one mechanical door stop and fixing elements.

Reference

NSYRCDR12



180° pneumatic door stop

- Door stop for installation on the swing racks installed with 180° hinges.
- **Spacial SF**: fixing to the base of the structure and to the rack.
- **Spacial SM**: direct fixing to the rack support and to the 19" rack.
- Maximum opening: 180°.



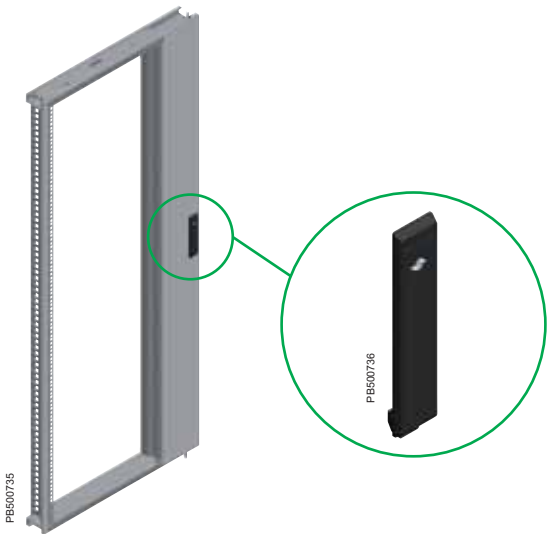
Supply: one pneumatic door stop and fixing elements.

Reference

NSYRCDR18



3



Flat escutcheon for swing 19" rack

- Flat escutcheon with 5-mm double-bar insert lock, for installation on swing 19" racks.



Supply: one flat escutcheon, 5-mm double-bar insert and fixing elements.

Reference
NSYRCLOCK



Switch for swing 19" rack

- Switch for direct fixing on the bottom or top support of the swing rack.
- M20 connection.
- Open + closed contact, 10 A/500 V.



Supply: one 19" rack switch and fixing elements.

Reference
NSYRCINT



Fixing elements for 19"

- Elements required for fixing switchgear on 19" racks, made up of:
 - Screws.
 - Washers.
 - Nuts.



Supply: 50 units of each.

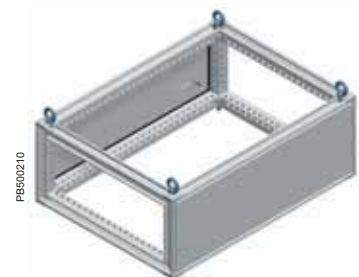


Reference by unit. Order by multiples of 50 (50, 100, 150...).

Thread type	Reference
M5	NSYGFR95M55
M6	NSYGFR95M65

Power distribution

Power distribution accessories



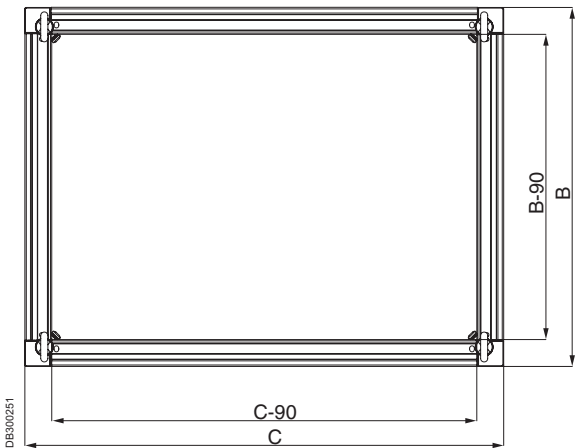
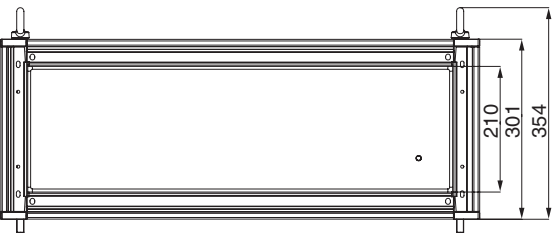
Top busbar chamber

- Chamber which protects and supports the sets of horizontal bars.
- Enables new switchgear by tapping and isolates the sets of bars from the rest of the equipment.
- It is only installed at the top of the enclosure.
- Degree of protection: IP55.
- Material: steel.
- Finish: painted with epoxy-polyester resin, textured RAL 7035 grey.

-  Supply:
- One structure of the busbar chamber as a kit.
 - Two front panels.
 - Four eyebolts.
 - One sealing gasket.



Nominal dimensions (mm)			Reference
Height (A)	Width (B)	Depth (C)	
300	300	500	NSYTBC335
		600	NSYTBC336
		800	NSYTBC338
	400	500	NSYTBC345
		600	NSYTBC346
		800	NSYTBC348
	600	500	NSYTBC365
		600	NSYTBC366
		800	NSYTBC368
	800	500	NSYTBC385
		600	NSYTBC386
		800	NSYTBC388
	1000	500	NSYTBC3105
		600	NSYTBC3106
		800	NSYTBC3108
	1200	500	NSYTBC3125
		600	NSYTBC3126
		800	NSYTBC3128



Power distribution

Power distribution accessories



Side panels for the busbar chamber

- Set of two side panels for coupling with the busbar chamber.
- Captive screws.
- Material: steel.
- Finish: painted with epoxy-polyester resin, textured RAL 7035 grey.

 Supply: two side panels and fixing elements.

Nominal dimensions (mm)		Reference
Height	Depth	
300	500	NSYSPBC35
	600	NSYSPBC36
	800	NSYSPBC38



Side busbar chamber

- Protects and supports the sets of vertical bars.
- Enables new switchgear by tapping and isolates the sets of bars from the rest of the equipment.
- It can be installed on either of the two sides of the enclosure.
- Material: steel.
- Finish: painted with epoxy-polyester resin, textured RAL 7035 grey.

 Supply:

- One structure of the busbar chamber.
- One roof.
- One rear panel.
- One door with handle (5-mm DB lock).

Nominal dimensions (mm)			Reference
Height	Width	Depth	
1800	400	400	NSYSF18440
		500	NSYSF18450
		600	NSYSF18460
2000	300	500	NSYSF20350
		600	NSYSF20360
		800	NSYSF20380
	400	400	NSYSF20440
		500	NSYSF20450
		600	NSYSF20460
		800	NSYSF20480
2200	400	600	NSYSF22460

Spacial SF for Prisma Plus P system



The Spacial SF range includes specific enclosure models for installing the Prisma Plus P system: functional units and vertical and horizontal busbars. The panels are subject to type tests according to standard IEC 61439-2. Partition types: forms 2 and 3 thanks to the components of the Prisma Plus P system.

RAL 7035 grey, IP 55, IK 10.

Specific finishes and colours are available on demand using our customisation service.

The offer consists of:

- Steel suitable enclosures, height 2000 mm.
- Width 700 mm for installing Prisma P functional units and width 300 mm for installing cable ducting or vertical busbars.
- Depths 500 and 600 mm for panels up to 1600 A.
- Depth 800 mm for panels up to 3200 A or connection of devices by the rear.

To create mixed power distribution and automation panels, the Spacial SF enclosures for Prisma Plus P system can be coupled with standard Spacial SF enclosures and therefore use the universal mounting accessories.

Note: The standard Spacial SF 400mm width can also be used for cable ducting.

Electrical characteristics

The installation of devices with the Prisma Plus P system for Spacial SF allows the installation of low-voltage equipment compliant with standards IEC 50298, IEC 62262 and IEC 61439-2 and having the following characteristics:

- Rated insulation voltage of the main busbar: 1000 V.
- Rated operational current: I_n 3200 A.
- Rated peak withstand current: I_{pk} 187 kA.
- Rated short-time withstand current: I_{cw} 85 kA eff/1 s.
- Frequency: 50/60 Hz.

Mechanical characteristics

- Galvanised-steel framework.
- Sheet-steel panels, painted with epoxy-polyester resin, textured finish, RAL 7035 grey.
- The panels can be removed.
- The frameworks can be coupled side-to-side or back-to-back.
- IP 55.
- IK 10 (IK 08 for glazed doors).



Configured

Specific finishes and colours, please contact us.



Specific

Spacial SF for Prisma Plus P system

Composition accessories

3



W = 300 mm.



Enclosure depth 500



W = 700 mm.

Enclosure depth 600 or 800

Technical characteristics

These Spacial SF enclosures have been designed specially for installing the Prisma Plus P system: functional units and busbars. Height: 2000 mm. IP 55 and IK 10 enclosures for the plain-door version or IK 08 for the glazed-door version.

- The enclosures are available with 3 depths:
- 500 and 600 mm for panels up to 1600 A;
 - 800 mm for panels up to 3200 A or connection by the rear.

The enclosures with width 700 mm support direct installation of Prisma Plus P system functional in white - RAL 9001.

The enclosures with width 300 mm can be used as cable ducts or for the installation of a flat busbar.

The bar compartment can be positioned on the right or on the left. Bar compartments can be coupled side-to-side and back-to-back.

The enclosures with width 700 mm are compatible with all existing Prisma Plus P system functional units, except prefabricated connections, see Prisma Plus catalogue.

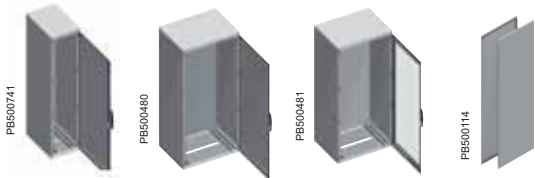
- The enclosures with width 700 mm consist of:
- 2 frames (top and bottom with screwed roof);
 - 4 vertical uprights;
 - 4 adapter uprights (enclosure depth 500);
 - 2 adapter uprights and 2 intermediate uprights (enclosure depths 600 and 800);
 - Screwed rear panel.
 - Plain or glazed door.
- And can be coupled side-to-side and back-to-back.

- The enclosures with width 300 mm consist of:
- 2 frames (top and bottom with screwed roof);
 - 4 vertical uprights;
 - Screwed rear panel;
 - Plain door.

The Linergy busbar can only be installed in lateral position with depth 500 mm. Add the set of 2 Prisma Plus P system functional uprights **NSYSFPA**.

The enclosures are supplied assembled, without lateral panels.

All Spacial SF enclosures for Prisma Plus P system can be coupled with Spacial SF enclosures with the same depth.



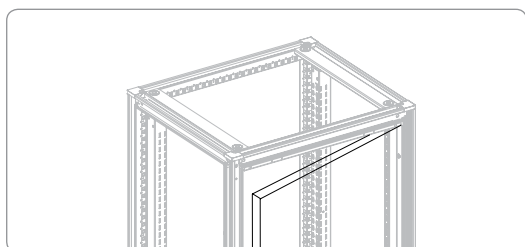
Height	Depth	Width			Set of 2 lateral panels
		300 Plain door	700 Plain door	700 Glazed door	
2000	500	NSYSF20350	NSYSFP20750	NSYSFP20750T	NSY2SP205
	600	NSYSF20360	NSYSFP20760	NSYSFP20760T	NSY2SP206
	800	NSYSF20380	NSYSFP20780	NSYSFP20780T	NSY2SP208

Use the earth cables to guarantee the earth connection of the side panels.

Spacial SF for Prisma Plus P system

Accessories

DBS00255



Prisma Plus hinged support frame

Hinged support frame for cover plates with width 700 mm.

- Reversible, opening to right/left.
- Colour: white - RAL 9001.
- Locking at 2 points by 1/4 turn nuts.
- Installed on enclosures with width 700 mm.
- Mandatory for installing Prisma Plus Functional units.

Reference

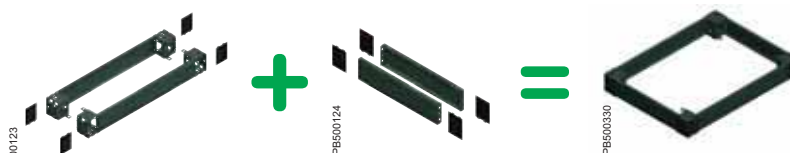
08566

Plinths

The plinths are available in 2 heights: 100 and 200 mm. They can be combined to obtain heights of 300 mm, 400 mm or more.

The complete plinth comprises two assemblies:

- The front and rear panels, with the 4 corners;
- 2 side panels.



Width	Depth	Plinth H 100 mm		Plinth H 200 mm	
		Front/rear panels	Side panels	Front/rear panels	Side panels
300	500	NSYSPF3100	NSYSPS5100	NSYSPF3200	NSYSPS5200
	600		NSYSPS6100		NSYSPS6200
	800		NSYSPS8100		NSYSPS8200
700	500	NSYSPF7100	NSYSPS5100	NSYSPF7200	NSYSPS5200
	600		NSYSPS6100		NSYSPS6200
	800		NSYSPS8100		NSYSPS8200

PB500116



Cable-gland plate

Galvanised-steel plates for cable entry by the bottom of the enclosures, thickness 1.5 mm.

Fixing by C-shaped clips fixed by screws ensuring electrical continuity.

Plate with 1 entry: self-extinguishing polyurethane adhesive seal, rectangular section of 15 × 25 mm and fixing elements.

Width	Depth	Reference
300	500	NSYEC351
	600	NSYEC361
	800	NSYEC381
700	500	NSYEC751
	600	NSYEC761
	800	NSYEC781

PB500217



Earth cables

- Essential to guarantee the earthing of the side panels, roof and door.
- Material: brass and copper alloy terminal, green and yellow PVC insulating sheath.
- Composition: 10 earth cables, to be ordered by multiples of 10 (nuts and washers not included).

Length (mm)	Cut (mm²)	Terminal Ø (mm)	Reference
160	6	8.3	NSYEL166D8
350	25	8.3	NSYEL3525D8

Spacial SF for Prisma Plus P system

Accessories

3

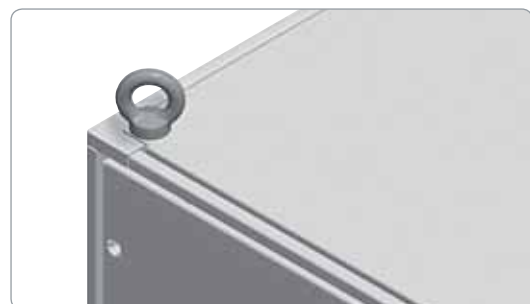


Side panels

External fixing

- Set of 2 side panels fixed from the outside of the enclosure.
- Captive screws.
- Material: steel.
- Finish: painted with epoxy-polyester resin, textured RAL 7035 grey.
- Supply: 2 side panels fixed from the outside and fixing elements.

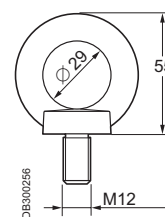
Nominal dimensions (mm)		Reference
Height	Depth	
2000	500	NSY2SP205
	600	NSY2SP206
	800	NSY2SP208



Eyebolts

Set of 4 moulded galvanised-steel M12 eyebolts for direct screwing in the framework of the enclosure, in line with the uprights.

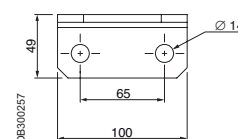
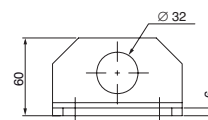
Reference
NSYSFEB



Lifting brackets

Set of 4 zinc-coated steel transport brackets for fixing to the framework, spanning two coupled enclosures, in line with the uprights.

Reference
NSYSFELB



Coupling kit

For side to side or back to back* coupling of 2 enclosures:

- Fixing from the inside of the enclosure.
- Protection degree: IP 55.
- Material:
 - Flat links: zinc-coated steel.
 - Sealing gasket: EPDM.

Reference
NSYSFBK19



* Back to back associations must be shipped individually.

Spacial SF for Prisma Plus P system

Horizontal busbars up to 1600 A

Busbar configuration

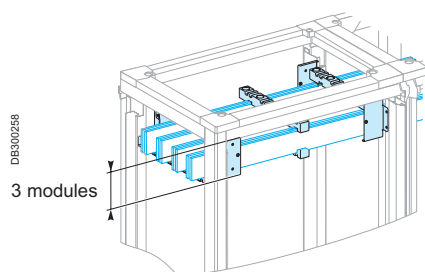
The bars are supported by insulating supports fixed to the framework.

The tables on this page show:

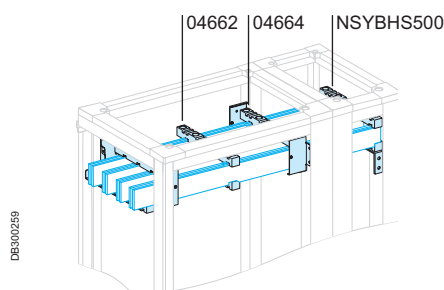
- The number and section of the bars to be used according to the permissible current level of the busbar;
- The number of bar supports to be installed in each type of framework, according to:
 - The section of the bars
 - The rated short-time withstand current I_{cw} .

For further information on configuring the busbar, see page 3/126.

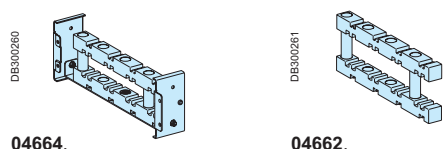
The busbar takes up 3 Prisma modules of 50 mm each.



Busbar selection

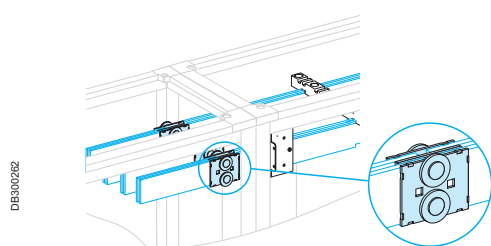


Fixed support and mobile support.



04664.

04662.



Connection.

Number and section of the copper bars

Permissible current level (A)	No. bars/phase
IP55	
750	1 bar, 60 × 5
900	1 bar, 80 × 5
1250	2 bars, 60 × 5
1600	2 bars, 80 × 5

Note: The busbar permissible current level values are provided for an ambient temperature of 35 °C around the panel.

Number of supports

Framework width (mm)	Bar section (mm)	No. of I_{cw} supports (kA eff/1 s)				
		≤ 15	≤ 25	≤ 30	≤ 40	≤ 50
700	1 bar, 60 × 5	2				3
	1 bar, 80 × 5					
	2 bars, 60 × 5					
	2 bars, 80 × 5					
300	All sections	1				2

Flat bars with width 2000 mm

Type of bar	Reference
Plain copper bar, 60 × 5	04536
Plain copper bar, 80 × 5	04538

Bar supports

2 compulsory fixed supports for frameworks with width 700 and 1 compulsory support for frameworks with width 300. If more supports are required, complete them using mobile supports.

Busbar centre-to-centre distance (mm)	Enclosure W700 Depth 500	Enclosure W300 Depth 500	Enclosure W300 Depth 600	Enclosure W300 Depth 800
	75	75	75	75
Fixed support for horizontal bars	04664	NSYBHS500	NSYBHS600	NSYBHS800
Mobile support (additional)	04662	04662	04662	04662

Connections

Connections	Reference
1 connection for bars	Width 60 mm
	Width 80 mm

Note: When installed at the bottom of the enclosure, the busbar must be partitioned.

Spacial SF for Prisma Plus P system

Horizontal busbars up to 3200 A

Busbar configuration

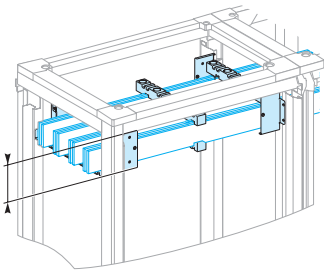
The bars are supported by insulating supports fixed to the framework.

The tables on this page show:

- The number and section of the bars to be used according to the permissible current level of in the busbar;
- The number of bar supports to be installed in each type of framework, according to:
 - The section of the bars.
 - The rated short-time withstand current I_{cw}.

For further information on configuring the busbar, see page 3/126.

The busbar takes up 3 Prisma modules of 50 mm each.



Number and section of the copper bars

Permissible current level (A)	No. bars/phase
IP55	
1080	1 bar, 50 × 10
1250	1 bar, 60 × 10
1600	1 bar, 80 × 10
1850	2 bars, 50 × 10
2000	2 bars, 60 × 10
2500	2 bars, 80 × 10
2900	2 bars, 100 × 10

Note: The busbar permissible current level values are provided for an ambient temperature of 35 °C around the panel.

Number of supports (centre-to-centre distance: 75 mm)

Framework width (mm)	Bar section (mm)	No. of lcw supports (kA eff/1 s)								
		≤ 25	≤ 30	≤ 40	≤ 50	≤ 60	≤ 65	≤ 75	≤ 85	
700	1 bar, 50 × 10	2				3			4	
	1 bar, 60 × 10									
	1 bar, 80 × 10									
	2 bars, 50 × 10									
	2 bars, 60 × 10									
	2 bars, 80 × 10									
	2 bars, 100 × 10									
300	All sections	1			2					

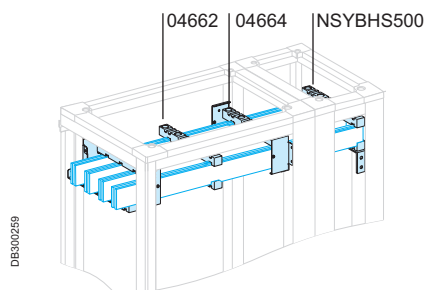
Number of supports (centre-to-centre distance: 115 mm)

Framework width (mm)	Bar section (mm)	No. of I _{cw} supports (kA eff/1 s)							
		≤ 25	≤ 30	≤ 40	≤ 50	≤ 60	≤ 65	≤ 75	≤ 85
700	1 bar, 50 × 10	2	3	4					
	1 bar, 60 × 10								
	1 bar, 80 × 10								
	2 bars, 50 × 10								
	2 bars, 60 × 10								
	2 bars, 80 × 10								
	2 bars, 100 × 10								
300	All sections	1			2				

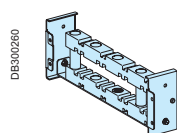
Spacial SF for Prisma Plus P system

Horizontal busbars up to 3200 A

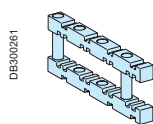
Busbar choice



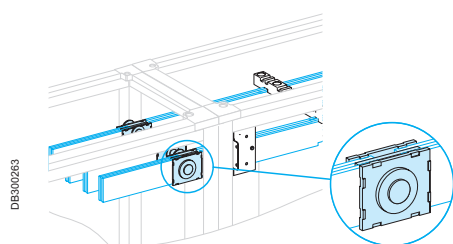
Fixed support and mobile support.



04664.



04662.



Flat bars with width 2000 mm

Type of bar	Reference
Plain copper bar, 50 × 10	04545
Plain copper bar, 60 × 10	04546
Plain copper bar, 80 × 10	04548
Plain copper bar, 100 × 10	04550

Bar supports

2 compulsory fixed supports for frameworks with width 700 and 1 compulsory fixed support for frameworks with width 300. If more supports are required, complete them using mobile supports.

Busbar centre-to-centre distance (mm)	Bar width	Enclosure W700	Enclosure W300 Depth 500	Enclosure W300 Depth 600	Enclosure W300 Depth 800
		75	75	75	75
Fixed support for horizontal bars	≤80 mm	04664	NSYBHS500	NSYBHS600	NSYBHS800
	>80 mm	04664 +04671	NSYBHS500 +04671	NSYBHS600 +04671	NSYBHS800 +04671
Mobile support (additional) for bars	≤80 mm	04662	04662	04662	04662
	>80 mm	04662 +04671	04662 +04671	04662 +04671	04662 +04671

Busbar centre-to-centre distance (mm)	Bar width	Enclosure W700 Depth 800	Enclosure W300 Depth 800
		115	115
Fixed support for horizontal bars	≤80 mm	NSYBHS800L	NSYBHS800L
	>80 mm	NSYBHS800L +04671	NSYBHS800L +04671
Mobile support (additional) for bars	≤80 mm	04678	04678
	>80 mm	04678 +04671	04678 +04671

Connections

Connections		Reference
1 connection for bars	Widths 50 and 60 mm	04640
	Widths 80 and 100 mm	04641

Note: When installed at the bottom of the enclosure, the busbar must be partitioned.

Spacial SF for Prisma Plus P system

Linery vertical busbars up to 3200 A, depth 500 mm

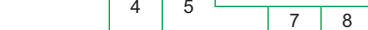
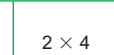
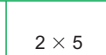
Busbar configuration

The table on this page shows:

- The reference of the aluminium profiles to be used according to the permissible current level of the busbar.
 - The number of supports to be used according to the rated short-time withstand current (I_{sc} in kA eff/1 s).
- Beyond 1600 A, the busbar is doubled in two bar compartments, side-by-side.

In this case, it is compulsory to install 3 equipotential links between the busbars.

- The support is identical, regardless of the current-carrying capacity.

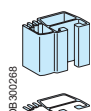
Linery rail	Reference of 1 rail	Permissible current level (A) at 35 °C for panel	No. of supports according to the rated short-time withstand currents I _{sc} (kA eff / 1 s)									
		IP > 31	≤ 25	≤ 30	≤ 40	≤ 50	≤ 60	≤ 65	≤ 75	≤ 85		
Single busbar												
Linery 630	04502	590										
Linery 800	04503	760										
Linery 1000	04504	950										
Linery 1250	04505	1170										
Linery 1600	04506	1480										
Double busbar												
Linery 2000	04504 × 2	1820										
Linery 2500	04505 × 2	2260										
Linery 3200	04506 × 2	2920										

Note: The busbar permissible current level values are provided for an ambient temperature of 35 °C around the panel. The bottom support can also be used to wedge the bars. Each reference consists of 1 rail.

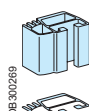
Busbar selection

Linery rail with width 1670 mm, section 32.5 × 42.5 mm.

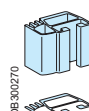
Choice of references: see table below.



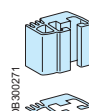
630 A rail, ref. **04502**



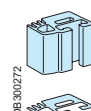
800 A rail, ref. **04503**



1000 A rail, ref. **04504**



1250 A rail, ref. **04505**



1600 A rail, ref. **04506**

Bar support and adapter upright

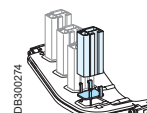
- To install a Linery busbar in a 300-mm sheath, depth 500 mm, it is necessary to add the adapter uprights.
- The Linery bar supports are delivered with class 8.8 fixings.

Description	Reference
Adapter upright, batch of 2	NSYSFPA
Linery bar support	04651

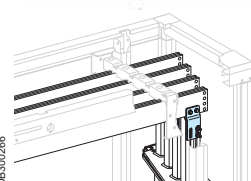
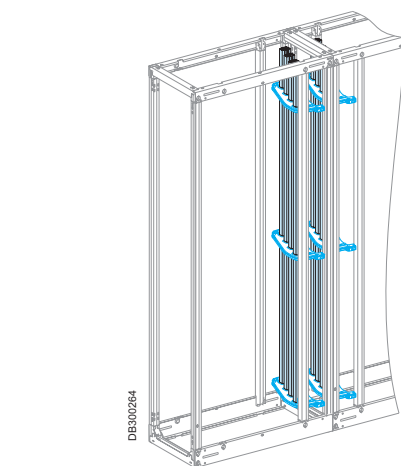
The busbar is installed in suitable enclosures with width 700 mm and depth 500 mm.



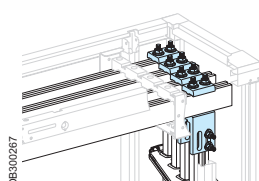
Bar support installed



Each rail is delivered with one stop to be on the bottom support



04635 connection to horizontal bars, thickness 5 mm.



04636 connection to horizontal bars, thickness 10 mm.

Connection to a horizontal busbar

It connects a horizontal busbar (thickness 5 or 10 mm) to a Linery lateral busbar. It is delivered with fixings.

Connection (1)		Reference
to horizontal bars, thickness 5 mm	1000 A connection conductor	04634
	1600 A connection conductor	04635
to horizontal bars, thickness 10 mm	connection conductor for horizontal bar width ≤ 80 mm	04636
	connection conductor for horizontal bar width > 80 mm	04636 + 04642

(1) References **04634**, **04635** and **04636** are delivered as a unit: 1 link per phase.

Spacial SF for Prisma Plus P system

Linery rear busbars up to 1600 A

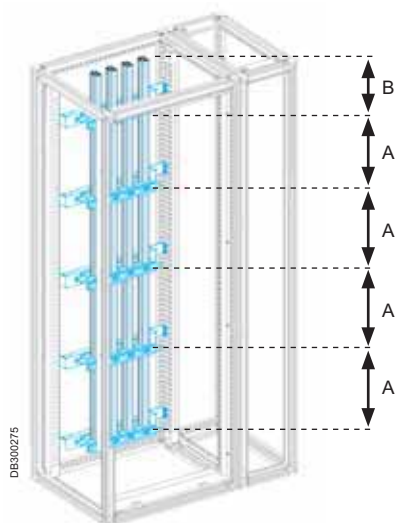
Busbar configuration

The table on this page shows:

- The reference of the profiles to be used according to the permissible current level of the busbar.
- The number of supports to be used according to the rated short-time withstand current (I_{cw} in kA eff/1 s).

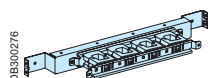
The busbar is installed in enclosures with width 700 mm, depth 500 mm.

- The support is identical, regardless of the current-carrying capacity.

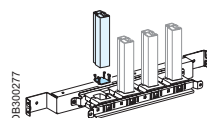


Busbar up to 1600 A (30 kA SCC and 40 kA).
The bottom support can also be used to wedge the bars.

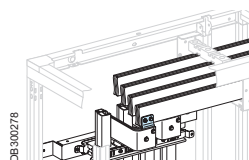
B = max. 387.5 mm
A = max. 350 mm



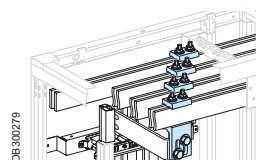
Bar support.



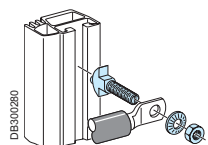
Each bar is delivered with one stop to be installed on the bottom support (vertical wedging).



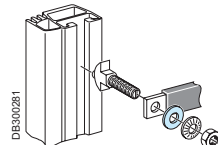
04635 connection with horizontal bars, thickness 5 mm.



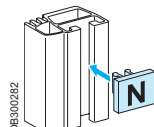
04636 connection with horizontal bars, thickness 10 mm.



Linery bolts (screw + nut + contact washer).



Flat washers.

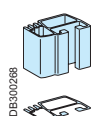


Linery rail	Reference of 1 rail	Permissible current level (A) at 35 °C for panel	No. of supports according to the rated short-time withstand currents I_{cw} (kA eff/1 s)			
			≤ 25	≤ 30	≤ 40	≤ 50
Linery 630	04502	590	3	4	5	7
Linery 800	04503	760				
Linery 1000	04504	950				
Linery 1250	04505	1170				
Linery 1600	04506	1480				

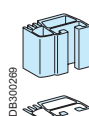
Note: The busbar permissible current level values are provided for an ambient temperature of 35 °C around the panel. The bottom support can also be used to wedge the bars. Each reference consists of 1 rail.

Busbar selection

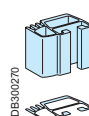
Linery rail with width 1670 mm, 32.5 w 42.5-mm section.
Choice of references: see table below.



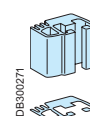
630 A rail, ref. **04502**



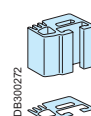
800 A rail, ref. **04503**



1000 A rail, ref. **04504**



1250 A rail, ref. **04505**



1600 A rail, ref. **04506**

Bar support

- A stop for the bottom support also allows the bars to be wedged.
- Delivered with class 8.8 fixings.

Bar support	Reference
for Linergy rear busbar	04652

Connection to a horizontal busbar

For connecting a horizontal busbar (thickness 5 or 10 mm) and a Linergy rear vertical busbar.

Connection (2)		Reference
to horizontal bars, thickness 5 mm		04635 (1)
to horizontal bars, thickness 10 mm	horizontal bars, width ≤ 80 mm	04636 (1)
	horizontal bars, width > 80 mm	04636 + 04642 (1)

(1) A part of the link must be made using insulated flexible bars.

(2) References **04635** and **04636** are delivered as a unit: 1 link per phase.

Linery accessories

Linery screws (3)

Batch of 20 Linergy M8 bolts (20 screws + 20 nuts + 20 contact washers)	Reference
Width = 25 mm (to connect flexible bars and lugs)	04766
Width = 39 mm (to connect copper bars)	04767

(3) The 8.8 screws slide along the rail and immobilise at the desired location.

Flat washers

Batch of 20 M8 flat washers		Reference
steel	outer diameter 20 mm	04772
	outer diameter 24 mm	04773
	outer diameter 28 mm	04774
brass	outer diameter 20 mm (i 25v lug connection on Linergy)	04775

Identification

Set of 12 phase identifiers	Reference
12 clip-on supports + N, L1, L2, L3, PE, PEN labels	04794

Spacial SF for Prisma Plus P system

Vertical busbars up to 1600 A

Flat bars, thickness 5 mm

Busbar configuration

The bars are supported by insulating supports: 3 fixed supports (screwed to the framework) are compulsory. If necessary, use additional mobile supports.

The bars are resting against a bottom support.

The table on this page shows:

- The number and section of the bars to be used according to the permissible current level of the busbar.
- The number of bar supports to be installed in an enclosure according to the rated short-time withstand current (Icw).

Number of copper bars and supports

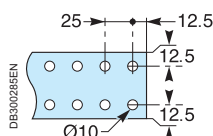
Permissible current level (A) for panel	No. of bars/phase and section (mm)	No. of supports according to the rated short-time withstand currents Icw (kA eff/1 s)				
IP > 31		15	≤ 25	≤ 30	≤ 40	≤ 50
750	1 bar, 60 × 5	3	5			7
900	1 bar, 80 × 5					
1250	2 bars, 60 × 5					
1600	2 bars, 80 × 5					

Note: The busbar permissible current level values are provided for an ambient temperature of 35 °C around the panel.

Busbar selection

Flat bars with width 1675 mm

Perforated copper bar	Reference
60 × 5 mm	04516
80 × 5 mm	04518



Bar supports: fixing directly on framework of 300-mm duct

3 fixed supports are compulsory for supporting the bars. If more than 3 supports are required, use the mobile supports (additional).

Busbar centre-to-centre distance (mm)	Enclosure W300 Depth 500	Enclosure W300 Depth 600	Enclosure W300 Depth 800	Enclosure W300 Depth 800
	75	75	75	115
Fixed support for lateral flat busbar	NSYBVS500	NSYBVS600	NSYBVS800	NSYBVS800L
Mobile support (additional)	04662	04662	04662	04678

Bar wedging

The bottom support allows the bars to be installed and positioned. It does not count as a bar support.

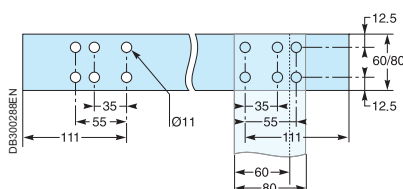
Busbar centre-to-centre distance (mm)	Enclosure W300 Depth 500	Enclosure W300 Depth 600	Enclosure W300 Depth 800	Enclosure W300 Depth 800
	75	75	75	115
Bottom support for lateral flat busbar	NSYAS500	NSYAS600	NSYAS800	NSYAS800L

Note: When connecting 5-mm flat bars to a horizontal busbar, references NSYAS•00 are not required.

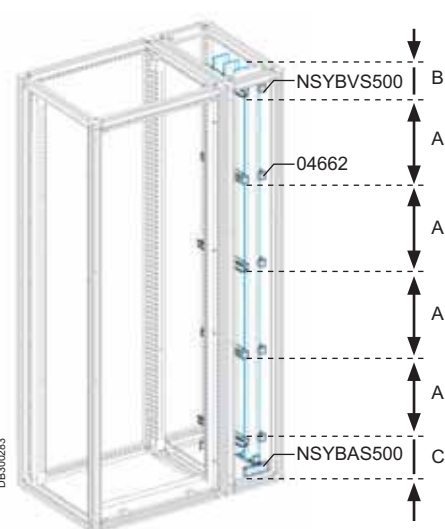
Connection to a horizontal busbar, thickness 5 mm

Direct connection (centre-to-centre distance 75 mm)

For a busbar centre-to-centre distance of 75 mm, the bars must be completely overlapped.

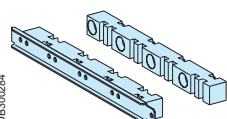


Drilling dimensions for the horizontal bars, thickness 5 mm.

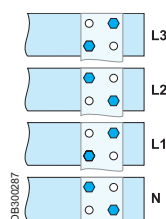
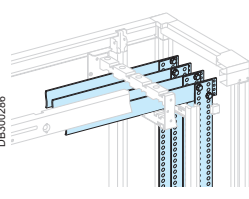


Busbar with Icw 30 kA eff/1 s.
The bars are supported by 3 fixed supports (compulsory) and 2 mobile supports.

B = max. 100 mm
A = max. 350 mm
C = max. 87.5 mm



Mobile bar support 04662.



Separation required between bar coupling points to guarantee the insulation distances.

Spacial SF for Prisma Plus P system

Vertical busbars up to 3200 A

Flat bars, thickness 10 mm

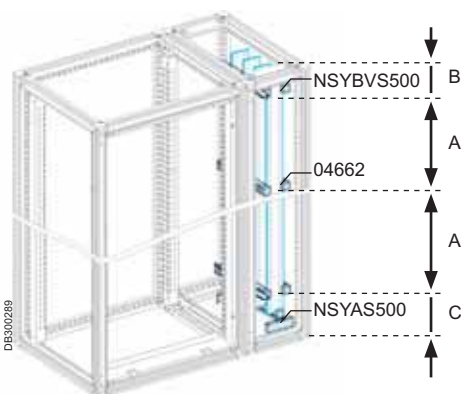
Busbar configuration

The bars are supported by insulating supports: 3 fixed supports (screwed to the framework) are compulsory. If necessary, use additional mobile supports.

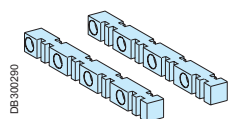
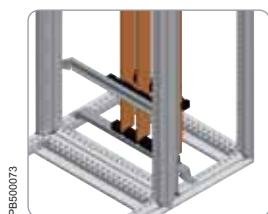
The bars are resting against a bottom support.

The table on this page shows:

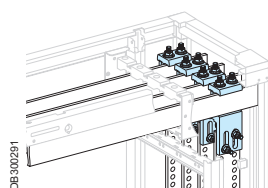
- The number and section of the bars to be used according to the permissible current level of the busbar;
- The number of bar supports to be installed in an enclosure according to the rated short-time withstand current (I_{cw}).



Single busbar ≤ 1600 A (IP ≤ 31).



Mobile bar support
04662.



Number of copper bars and supports

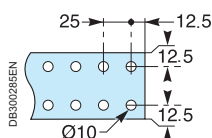
Permissible current level (A) for panel		No. of bars/phase and section (mm)	No. of supports according to the rated short-time withstand currents I _{scw} (kA eff/1 s)							
IP ≤ 31	IP > 31		≤ 25	≤ 30	≤ 40	≤ 50	≤ 60	≤ 65	≤ 75	≤ 85
Single busbar										
1200	1080	1 bar, 50 × 10	3		5	7			9	
1400	1250	1 bar, 60 × 10								
1800	1600	1 bar, 80 × 10								
2050	1850	2 bars, 50 × 10								
2300	2000	2 bars, 60 × 10								
2820	2500	2 bars, 80 × 10								
3200	2820	2 bars, 100 × 10								

Note: The busbar permissible current level values are provided for an ambient temperature of 35 °C around the panel

Busbar selection

Flat bars with width 1675 mm

Perforated copper bar	Reference
50 × 10 mm	04525
60 × 10 mm	04526
80 × 10 mm	04528



Bar supports: fixing directly on framework of 300-mm duct

3 fixed supports are compulsory for supporting the bars. If more than 3 supports are required, use the mobile supports (additional).

Busbar centre-to-centre distance (mm)	Enclosure W300 Depth 500	Enclosure W300 Depth 600	Enclosure W300 Depth 800	Enclosure W300 Depth 800
	75	75	75	115
Fixed support for lateral flat busbar	NSYBVS500	NSYBVS600	NSYBVS800	NSYBVS800L
Mobile support (additional)	04662	04662	04662	04678

Bar wedging

The bottom support allows the bars to be installed and positioned. It does not count as a bar support.

Busbar centre-to-centre distance (mm)	Enclosure W300 Depth 500	Enclosure W300 Depth 600	Enclosure W300 Depth 800	Enclosure W300 Depth 800
	75	75	75	115
Fixed support for lateral flat busbar	NSYAS500	NSYAS600	NSYAS800	NSYAS800L

Connection to a horizontal busbar, thickness 10 mm

Vertical busbar connection (2)	Horizontal bars	Vertical bars	Reference
(1 bar/phase) to horizontal bars	$L \leq 80 \text{ mm}$	50/60 mm	04636
	$L > 80 \text{ mm}$	50/60 mm	04636 + 04642
	$L \leq 80 \text{ mm}$	80 mm	04637
	$L > 80 \text{ mm}$	80 mm	04637 + 04642
(2 bars/phase) to horizontal bars	$L \leq 80 \text{ mm}$	50/80 mm	04637
	$L > 80 \text{ mm}$	50/80 mm	04637 + 04642

(2) References **04636** and **04637** are delivered as a unit: 1 link per phase.

Spacial SF for Prisma Plus P system

Rear busbars up to 1250 A

Flat bars, thickness 5 mm

Busbar configuration

The bars are supported by insulating supports: 3 fixed supports (screwed to the framework) are compulsory. If necessary, use additional mobile supports.

The bars rest against one of the fixed supports by means of a wedge screwed onto each bar.

The table on this page shows:

- The number and section of the bars to be used according to the permissible current level of the busbar.
- The number of bar supports to be installed according to the rated short-time withstand current (Icw).

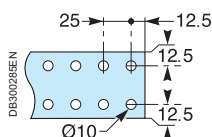
Number of copper bars and supports

Permissible current level (A) for panel		No. of bars/phase and section (mm)	No. of supports according to rated short-time withstand currents Icw (kA eff/1 s)				
IP ≤ 31	IP > 31		15	≤ 25	≤ 30	≤ 40	≤ 50
800	750	1 bar, 60 × 5	3	5			7
1000	900	1 bar, 80 × 5					
1400	1250	2 bars, 60 × 5					

Busbar selection

Flat bars with width 1675 mm

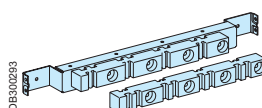
Perforated copper bar	Reference
60 × 5 mm	04516
80 × 5 mm	04518



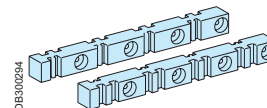
Bar supports

3 fixed supports are compulsory for supporting the vertical busbars. If more than 3 supports are required, use the mobile supports (additional).

Bar support	Reference
fixed for rear flat busbar	04653
mobile (additional)	04662



Fixed bar support 04653.



Mobile bar support 04662.

Busbar with Icw 30 kA eff/1 s.
The bars are supported by 3 fixed supports, 04653 × 3 (compulsory), and 2 mobile supports, 04662 × 2.

B = max. 100 mm

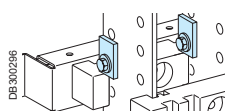
A = max. 750 mm

C = max. 87.5 mm

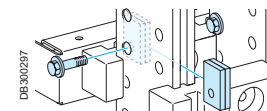
Bar wedging

A metal wedge with thickness 5 mm is screwed onto the bar. It rests against a fixed support and wedges the bar.

Wedge for bars	Reference
100 5-mm wedges for bars	04669



Wedging: 1 bar/phase.



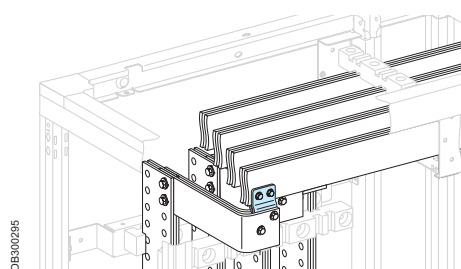
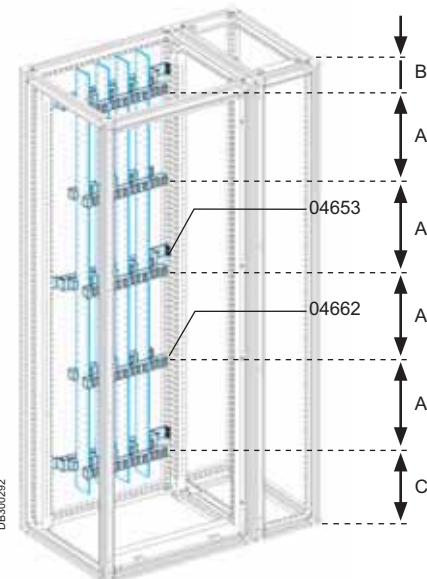
Wedging: 2 bars/phase.

Connection to a horizontal busbar

1600 A connection		Reference
to horizontal bars, thickness 5 mm		04635 (1) (2)
to horizontal bars, thickness 10 mm	L ≤ 80 mm	04636 (1) (2)
	L > 80 mm	04636 (2) + 04642 (1)

(1) A part of the link must be made using insulated flexible bars.

(2) References 04635 and 04636 are delivered as a unit = 1 link per phase.



Spacial SF for Prisma Plus P system

Rear busbars up to 1600 A

Flat bars, thickness 10 mm

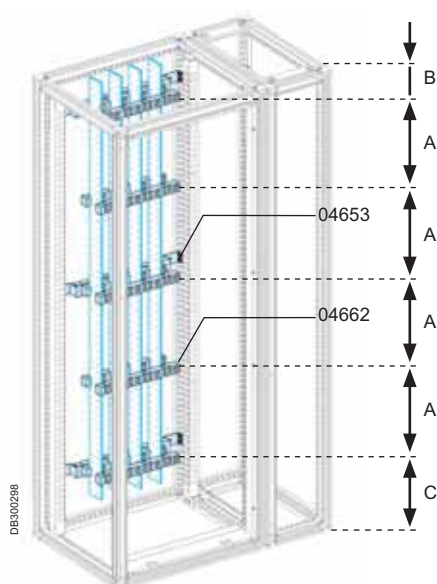
Busbar configuration

The bars are supported by insulating supports: 3 fixed supports (screwed to the framework) are compulsory. If necessary, use additional mobile supports.

The bars rest against one of the fixed supports by means of a wedge screwed onto each bar.

The table on this page shows:

- The number and section of the bars to be used according to the permissible current level of the busbar.
- The number of bar supports to be installed according to the rated short-time withstand current (I_{cw} en KA eff/15).
- The busbar is installed in suitable enclosures with width 700 mm and depth 500 mm.



Busbar with I_{cw} 40 kA eff/1 s.
The bars are supported by 3 fixed supports, 04653 (compulsory), and 2 mobile supports, 04662.

B = max. 100 mm

A = max. 375 mm

C = max. 87.5 mm

Number of copper bars and supports

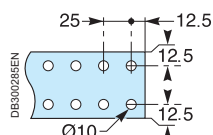
Permissible current level (A) for panel	No. of bars/phase and section (mm)	No. of supports according to the rated short-time withstand currents I _{cw} (kA eff/1 s)							
IP > 31		≤ 25	≤ 30	≤ 40	≤ 50	≤ 60	≤ 65	≤ 75	≤ 85
1080	1 bar, 50 × 10	3	5			7			9
1250	1 bar, 60 × 10								
1600	1 bar, 80 × 10								

Note: The busbar permissible current level values are provided for an ambient temperature of 35 °C around the panel.

Busbar selection

Flat bars with width 1675 mm

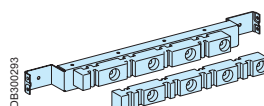
Perforated copper bar	Reference
50 × 10 mm	04525
60 × 10 mm	04526
80 × 10 mm	04528



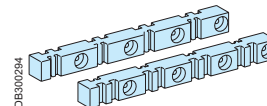
Bar supports

3 fixed supports are compulsory for supporting the vertical busbars. If more than 3 supports are required, use the mobile supports (additional).

Bar support	Reference
fixed for rear flat busbar	04653
mobile (additional)	04662



Fixed bar support 04653.

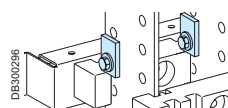


Mobile bar support 04662.

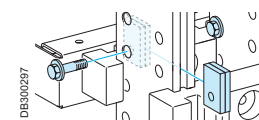
Bar wedging

A metal wedge with thickness 5 mm is screwed onto the bar. It rests against a fixed support and wedges the bar.

Wedge for bars	Reference
100 5-mm wedges for bars	04669



Wedging: 1 bar/phase.



Wedging: 2 bars/phase.

Connection to a horizontal busbar, thickness 10 mm

Connection ≤ 1600 A	Reference
to horizontal bars, thickness 10 mm	04636 (1) (2)
	04636 (2) + 04642 (1)

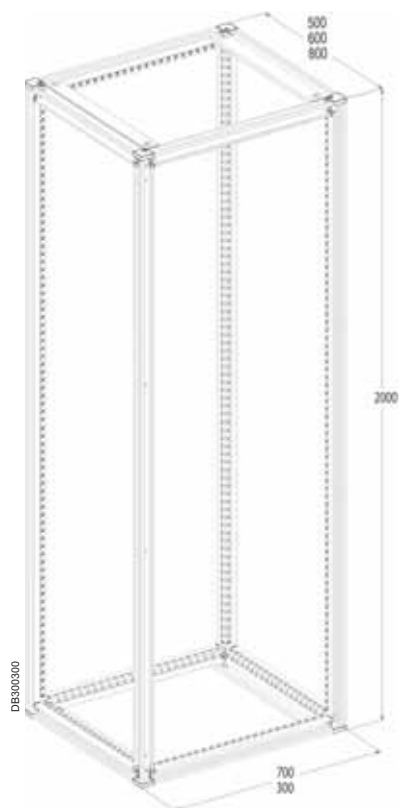
(1) A part of the link must be made using insulated flexible bars.

(2) References 04635 and 04636 are delivered as a unit = 1 link per phase.

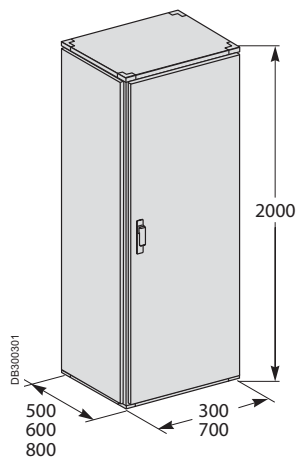
Spacial SF for Prisma Plus P system

Dimensions

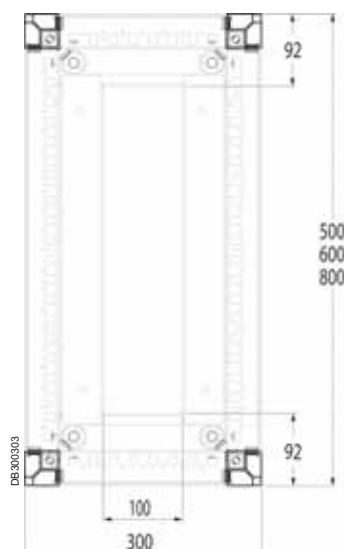
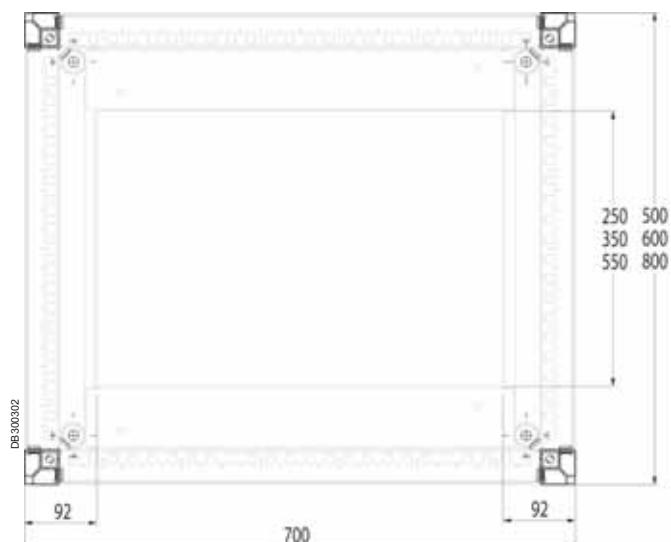
3



Plain or transparent door, side panels



Cable-entry plate

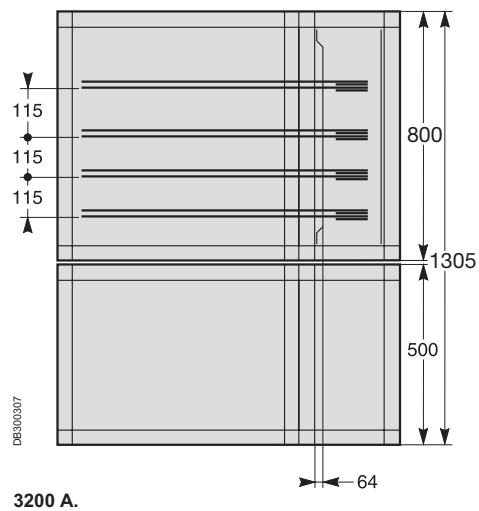
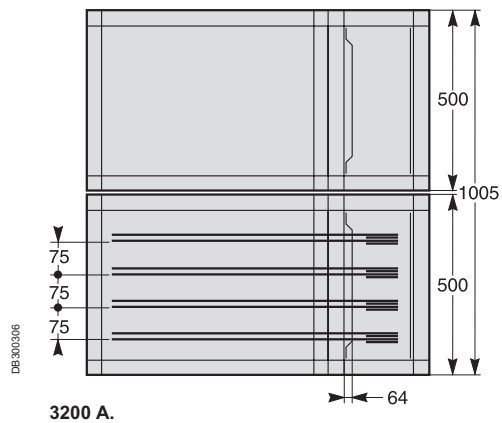
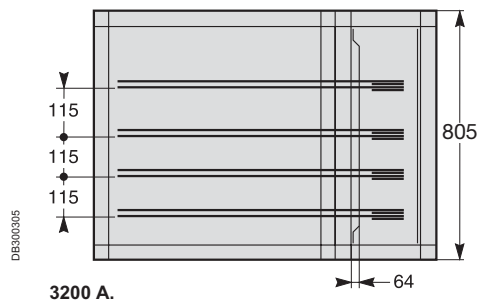
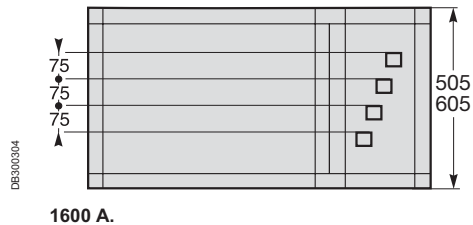


Spacial SF for Prisma Plus P system

Dimensions

Busbar installation

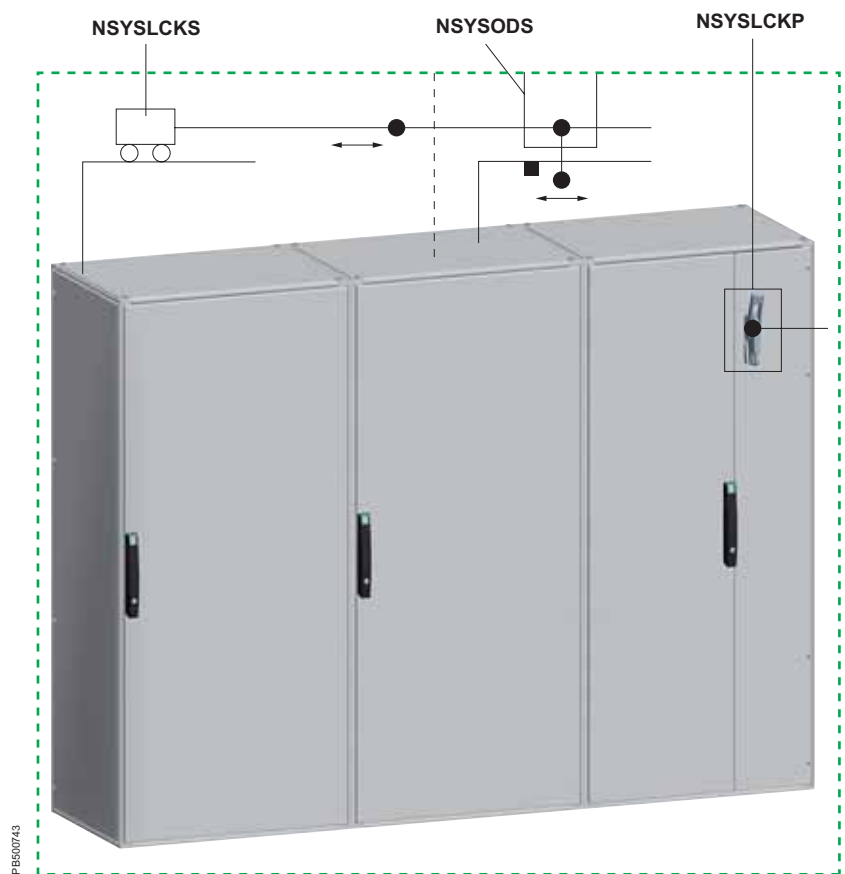
Side vertical busbar



Built-in system for interlocking the doors of associated enclosures

- 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).
 - Telemecanique.
- The built-in secure interlocking system for the door (on demand) of the "incoming"/"outgoing" enclosures allows Spatial SF enclosures to be adapted to the requirements of the American car industry.

3





Interlocking for main door

- System for unlocking the main door adapted to the switches:
 - Allen Bradley (1494 VH11).
 - Square D (9422 A1).
 - Siemens (FH0H).
 - Schneider Electric.
- Unlocks the main door when the switch is in the open position "O".
- Material: steel.
- Finish: zinc-coated.
- The main door interlocking system requires the ordering of both references:
 - 1 Activation for secondary doors.
 - 2 Interlocking for secondary doors.



Supply: two brackets for fixing the configured panel, interlocking elements, switch and fixings.

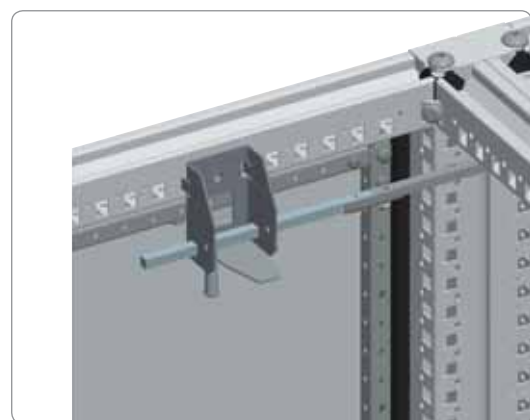


Configured panel and handle not included.



Reference

NSYSLCKP



Activation for secondary doors

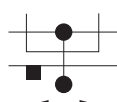
- System installed in the main enclosure. Activated by manual operation, preventing the opening of the secondary enclosures connected to one another by runner rods.
- It has a secure function which consists of a part that forces the system into the position in which the secondary enclosures are locked in order to lock the main door.
- Material:
 - Mechanism: zinc-coated steel.
 - Activation handle: black plastic.



Supply: elements for activating the main door and fixings.



For the complete function, both activation (1) and interlocking systems (2) need to be ordered.



Reference

NSYSODS



PB630747

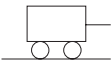


Interlocking for secondary doors

- System for interlocking the outgoing enclosures connected to one another by runner rods that lock their doors.
- Fixing to the structure of the enclosures by screws.
- Material: steel.
- Finish: zinc-coated.

 Supply: elements for interlocking the secondary doors and fixings.

 For the complete function, both activation (1) and interlocking systems (2) need to be ordered.



Nominal dimensions (mm)	Reference
Width	
600	NSYSLCKS6
800	NSYSLCKS8
1000	NSYSLCKS10

Main accessories for Spacial SM and SF enclosures

Composition accessories

SF cladding

SF-SM cladding



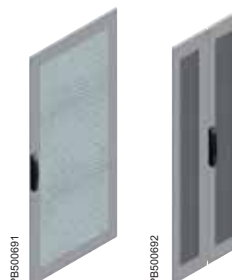
Side panels

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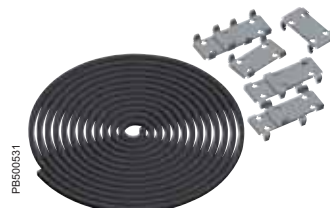
Blanking plate for roof and ventilated roof

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Off-centre ventilated and glazed door

Page
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Coupling kit

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SF base



Castors

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SF-SM base



100- and 200-mm plinth

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3/45 to 3/47

SF cable-gland plate



Cable-gland plates

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Cable entries



Roof plates
Blanking plates, brush
gaskets, etc.

Page
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SF-SM hoisting



Lifting eye

Page
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SF-SM door



180° hinge
Door switch

Page
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SF-SM earth connection



Earthing kit

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SF-SM locks and inserts



Locks and inserts

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Mounting accessories

Installation



PB501505

Fixed 19" uprights and supports

Page

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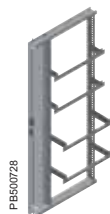


PB500473

19" swing racks and supports

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PB500728

19" swing rack accessories

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Equipment support



PB500189

Fixings for 19" racks

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Equipment support*



PB501507

Perforated or plain fixed 19" trays



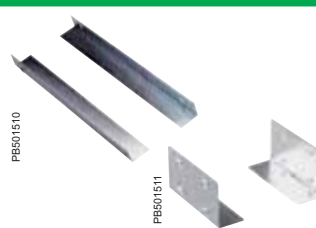
PB501508

Perforated or plain telescopic 19" trays



PB501509

Storage drawer



PB501510

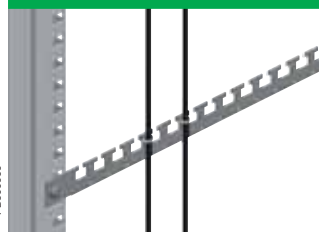
PB501511

Fixed partial or full slides

*See on our website "Network connectivity".

Cable-management accessories

Cable support



PB500969

Cable-support cross-rails on framework

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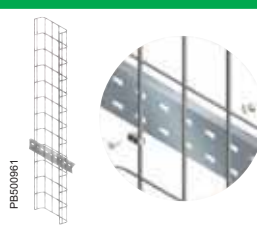
PB500964

Cable gland for door

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Cable distribution



PB500961

Wired cable trays

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Thermal-management accessories

Natural ventilation



Roof elevators

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Ventilation louvres

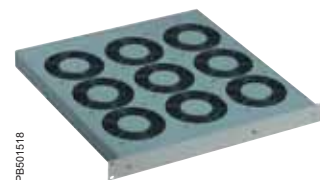
Page
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Ventilation



Blanking plate with fans

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19" drawer*

*See on our website "Network connectivity".

Ventilation



Fans

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Resistances



Resistance heaters

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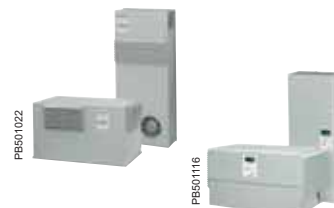
Control



Thermostats, hygrostats,
hygrotherms

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IP air-conditioning



Exchangers and cooling units

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