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



>Advantage:

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

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**
1800	500	**NSY2SPI185**
	600	**NSY2SPI186**
	800	**NSY2SPI188**
2000	400	**NSY2SPI204**
	500	**NSY2SPI205**
	600	**NSY2SPI206**
	800	**NSY2SPI208**
2200	600	**NSY2SPI226**
	800	**NSY2SPI228**



>Advantage:

Quick access to the inside of the enclosure.

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**

Composition accessories
Panels



>Advantage:

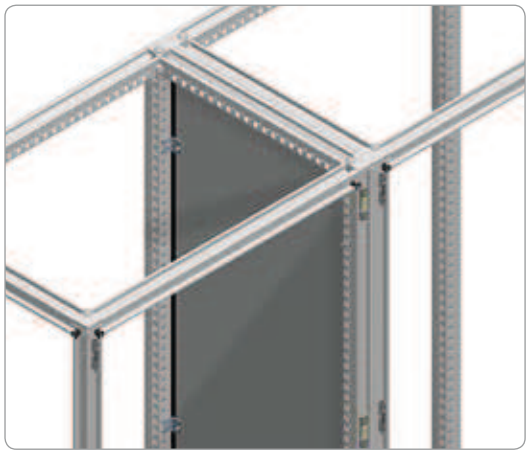
It prevents access by unauthorised persons; advisable for use in public spaces.

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**
1600	600	**NSYBPI166**
	800	**NSYBPI168**
1800	600	**NSYBPI186**
	800	**NSYBPI188**
	1000	**NSYBPI1810**
2000	400	**NSYBPI204**
	600	**NSYBPI206**
	800	**NSYBPI208**
	1000	**NSYBPI2010**
	1200	**NSYBPI2012**
2200	600	**NSYBPI226**
	800	**NSYBPI228**
	1000	**NSYBPI2210**



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
Panels



Protective cover for lateral sockets

- Protective cover for sockets mounted on the modular partition panel.
- Depth of 200 mm.
- Door opening of 120°.
- Internal locking system shared with the enclosure. 5-mm double-bar flat escutcheon. Possibility of changing the flat escutcheon for the handle.
- Material: steel.
- Finish: painted with epoxy-polyester resin, textured RAL 7035 grey.

Supply: protective cover, plain cable-entry plate and fixing elements.

Nominal dimensions (mm)		Reference
Height (A)	Depth (C)	
1800	500	**NSYCPC185**
	600	**NSYCPC186**
2000	500	**NSYCPC205**
	600	**NSYCPC206**

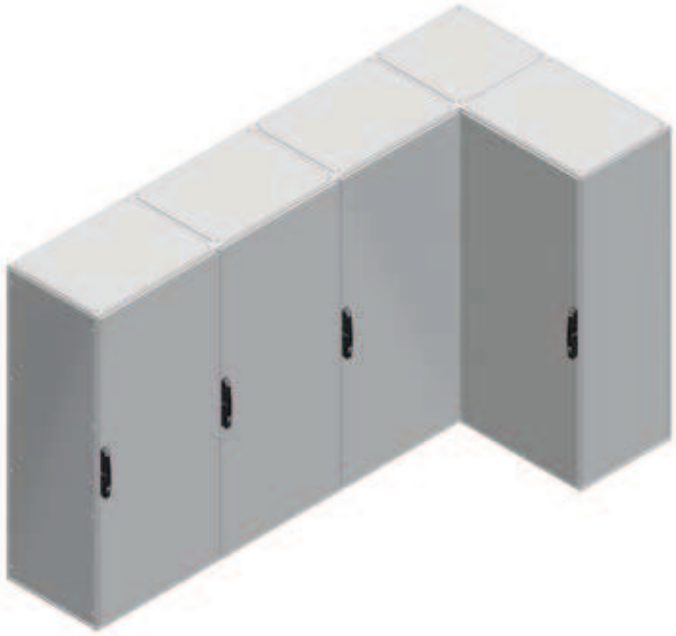
Composition accessories
Enclosure suites

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**

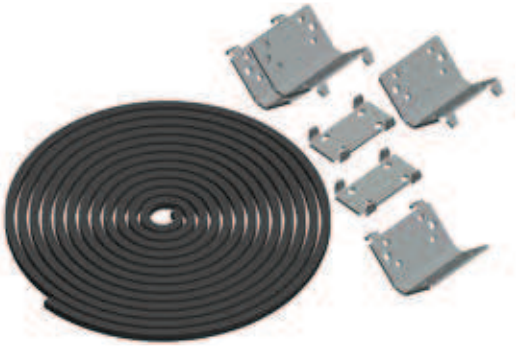
Note: maximum load under optimum conditions. See other options in the lifting and transport table page **52**.

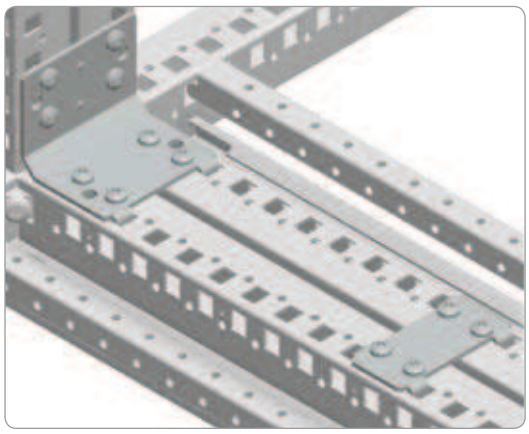


> Advantage:

Multiple assembly options, adapting to all needs.

Composition accessories
Enclosure suites





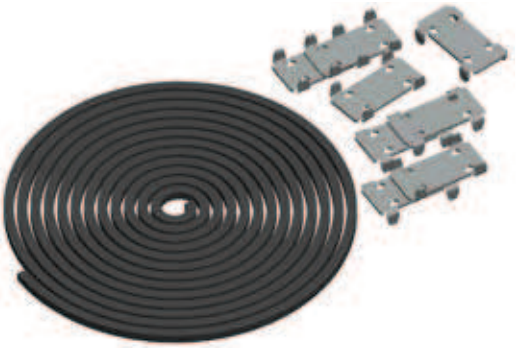
Standard coupling kit

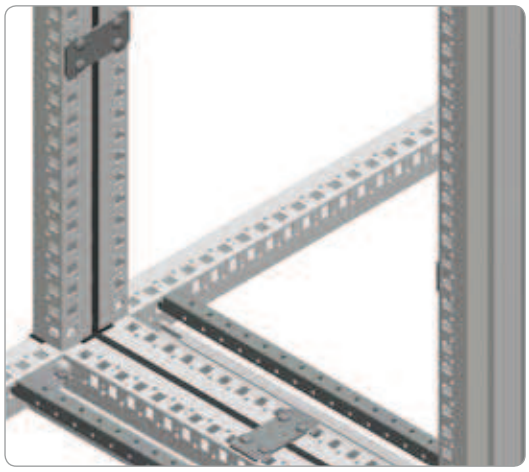
- Used for joining enclosures side-to-side or depthwise.
- Fixing from the inside of the enclosures.
- Degree of protection: IP55.
- Material:

– Flat connectors and brackets: zinc-coated steel.
– Sealing gasket: EPDM.

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

Reference
NSYSFBK





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

Composition accessories
Enclosure suites

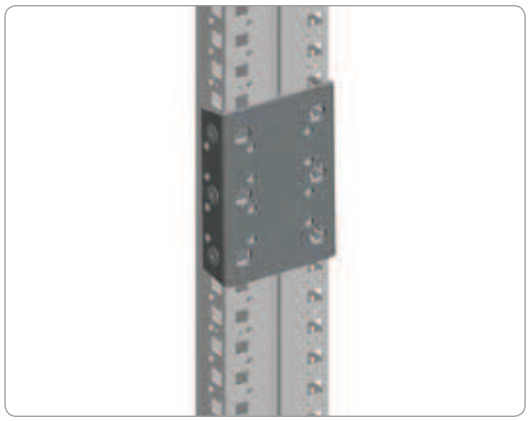


Reinforced coupling

- 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



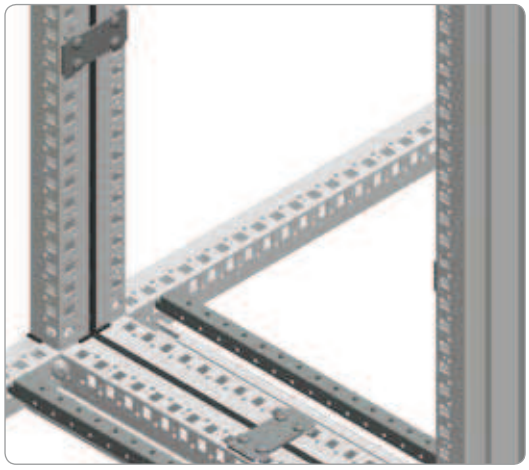


Quick coupling

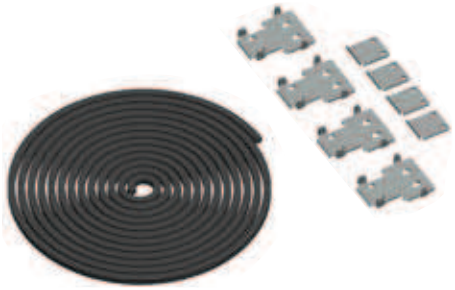
- Used for quickly joining 2 enclosures.
- Fixing from the inside of the enclosures.
- Recommended for coupling enclosures in their provisional workshop location, when the required IP degree is not high.
- Degree of protection: IP40.
- Material: zinc-coated steel.

Supply: 4 flat links and fixing elements.

Reference
NSYSFBKF



Composition accessories
Enclosure suites

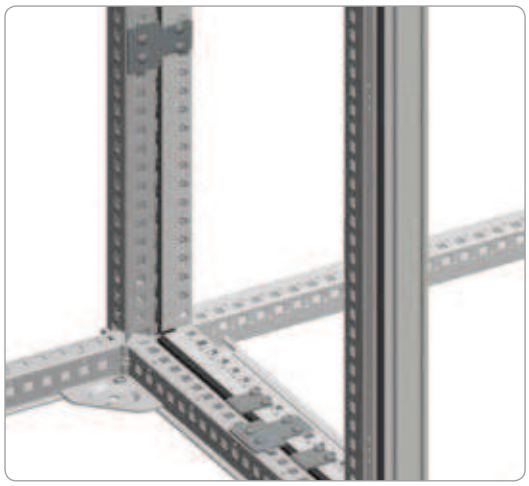


Kit for coupling the previous version with Spacial SF

- 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: 4 spacers, 4 flat connectors, sealing gasket and fixing elements.



Reference
NSYSFBKSH

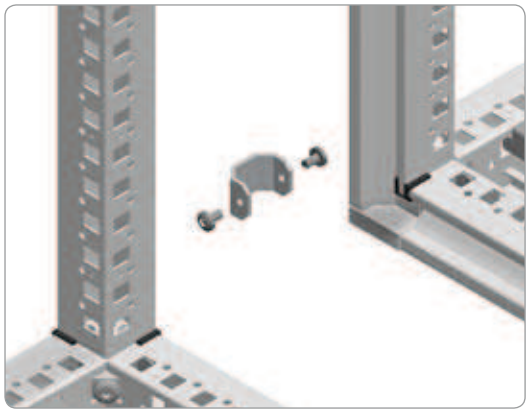


External coupling kit

- Allows two enclosures to be joined by their structure.
- Fixing from the outside of the enclosures.
- 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, sealing gasket and fixing elements.



Reference
NSYSFBKE

Composition accessories
Enclosure suites



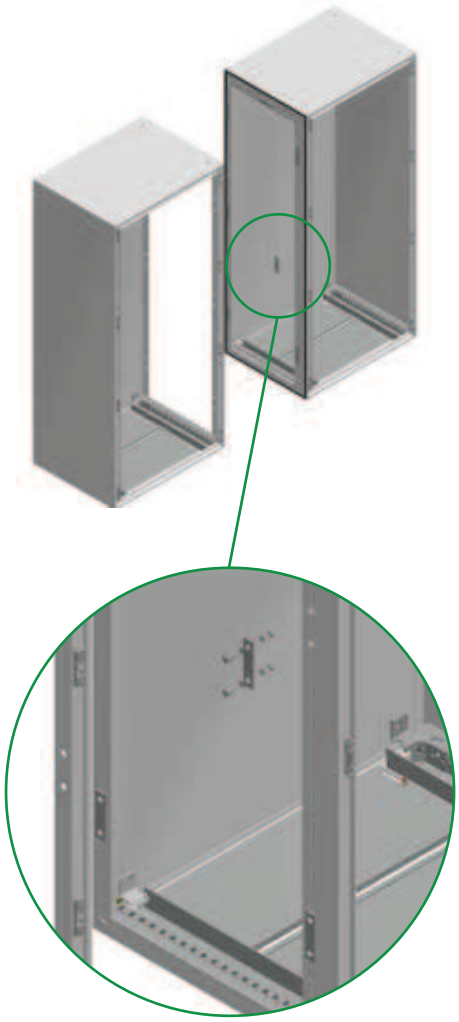
Enclosure coupling kit for Spacial SM

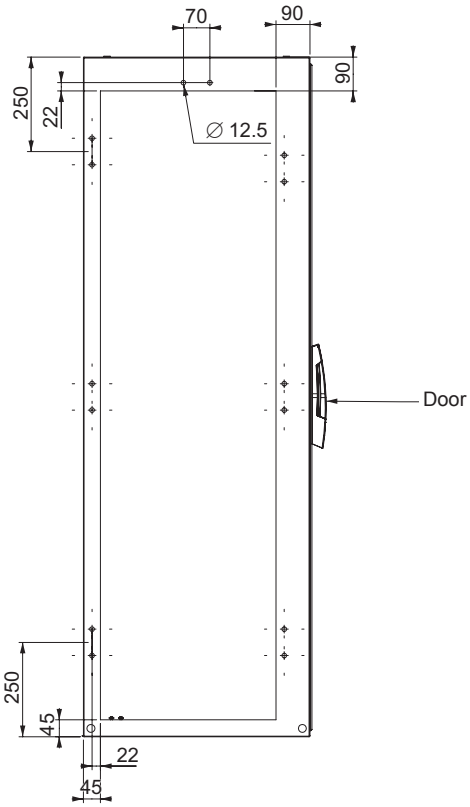
- Used for joining enclosures side-to-side.
- Enclosures fixed from the inside.
- Degree of protection: IP55.
- Material:

– 9 × 9 sealing gasket: EPDM.

Supply: 1 sealing gasket and fixing elements.

Reference
NSYSMBK

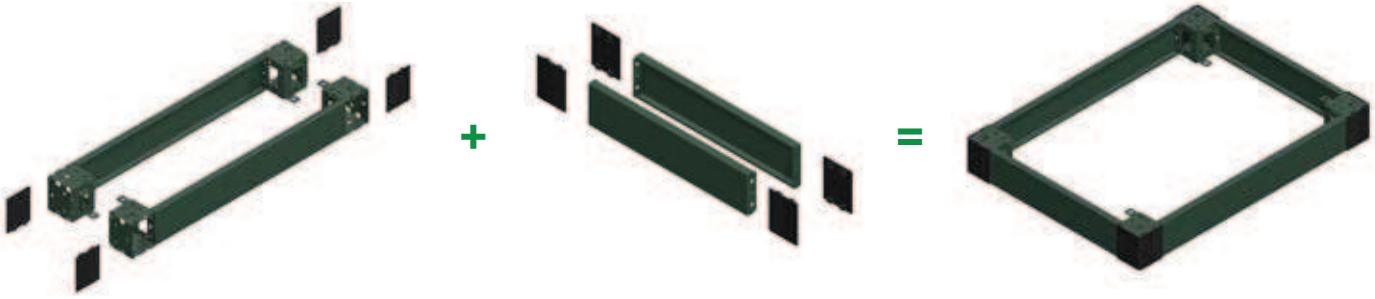




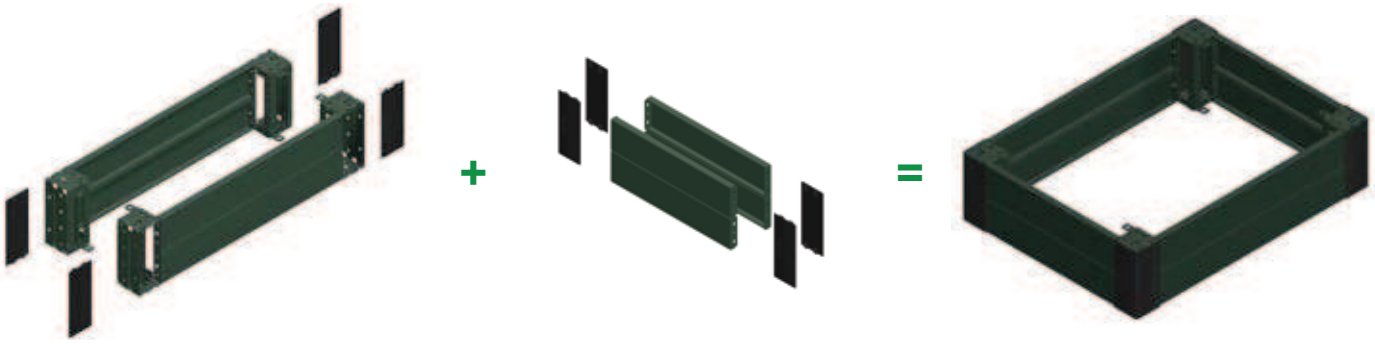
Composition accessories
Floor

Plinth in kit form

Front and rear kit + **Side panels** = **Complete plinth**



Plinth height 100 mm



Plinth height 200 mm

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

> Advantage:

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

Composition accessories
Floor



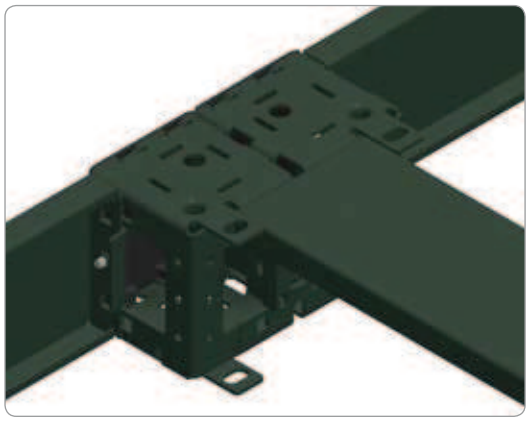
Possibility of joining plinths

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.

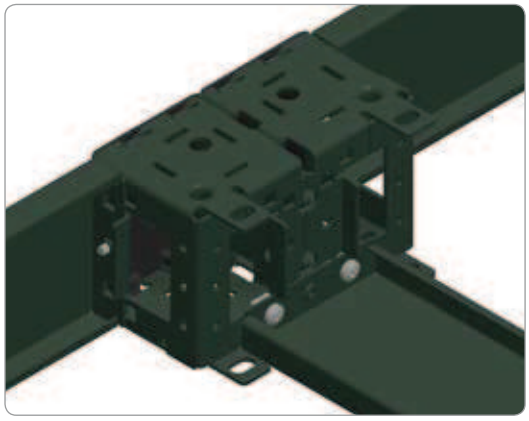
Greater rigidity of the resultant assembly unit.

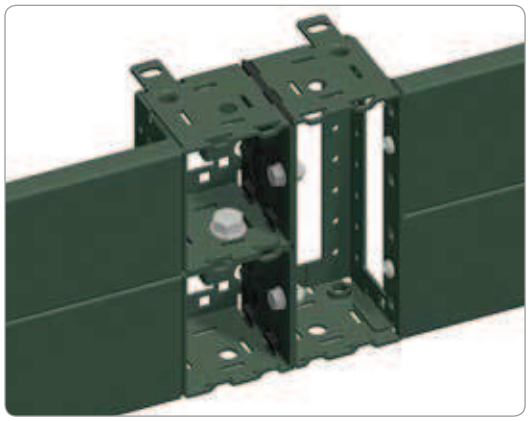


❷ By side panels, the M6 screws and caged nuts, not included in the standard supply, reference **NSYSPM6** and reference **NSYCN9M625**, which can be mounted above and/or below.

> Advantage:

Improves rigidity in the depthwise direction during transport.



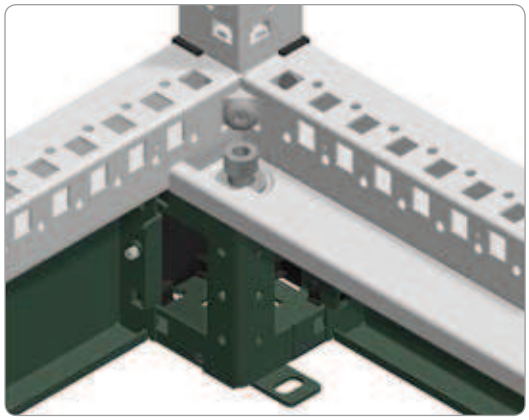


❸ **Vertical plinth assembly** by means of M12 screws and nuts, not included in the standard supply.

> Advantage:

The two heights of corners can be combined.

Composition accessories
Floor

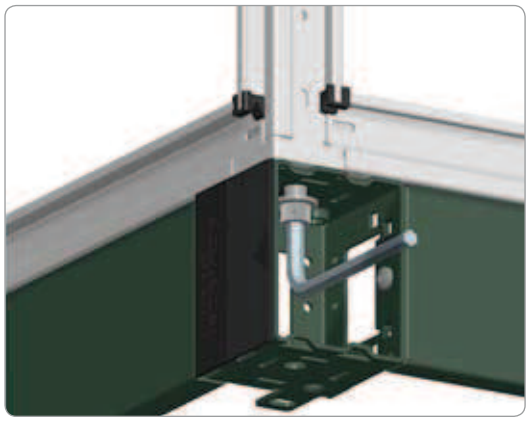


Possibility of fixing the enclosure to the plinth

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

>Advantage:

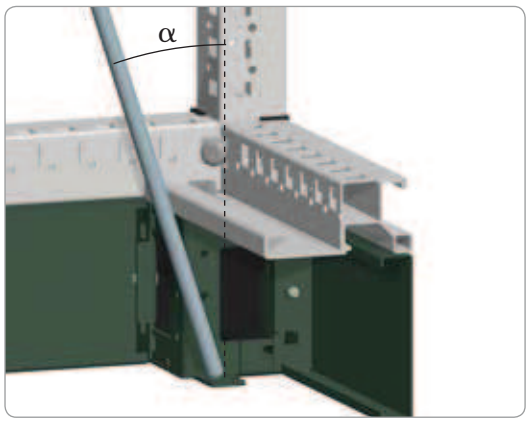
Fixing convenience and speed.



2 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.

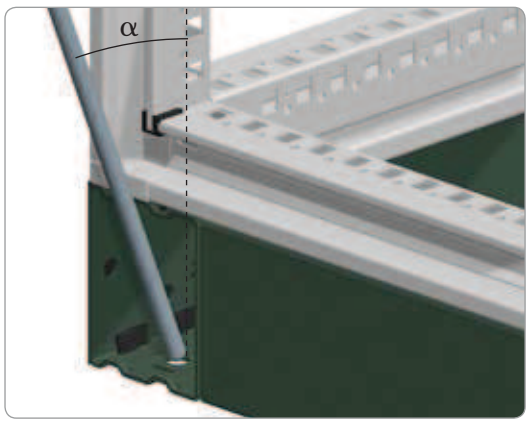


Possibility of fixing the plinth to the floor

1 Fixing from the inside of the enclosure.

The machining angle varies according to the plinth model:

Plinth height 100 mm α = 18°.
Plinth height 200 mm α = 9°



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

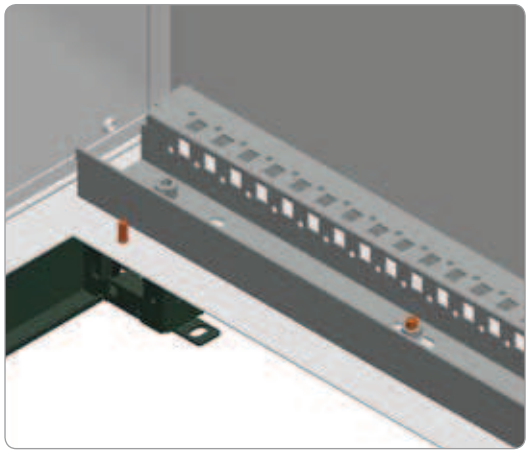
The machining angle varies according to the plinth model:

Plinth height 100 mm α = 22°.
Plinth height 200 mm α = 11°.

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

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

Composition accessories
Floor

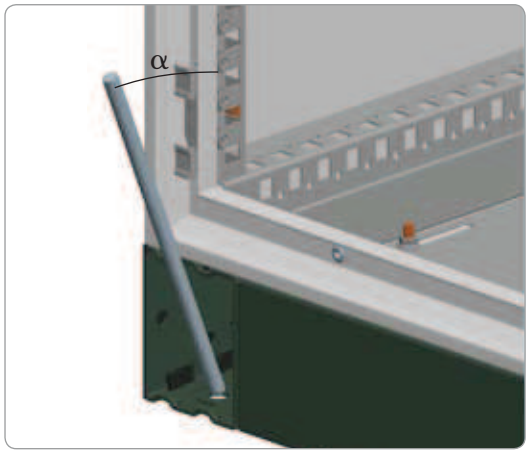


Fixing the enclosure to the plinth

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.



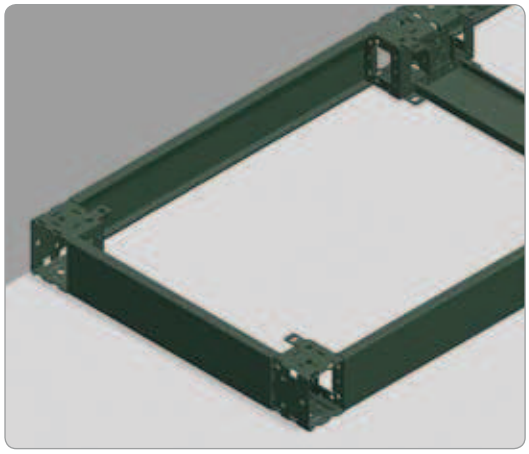
Fixing the enclosure to the ground

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

The machining angle varies according to the plinth model:

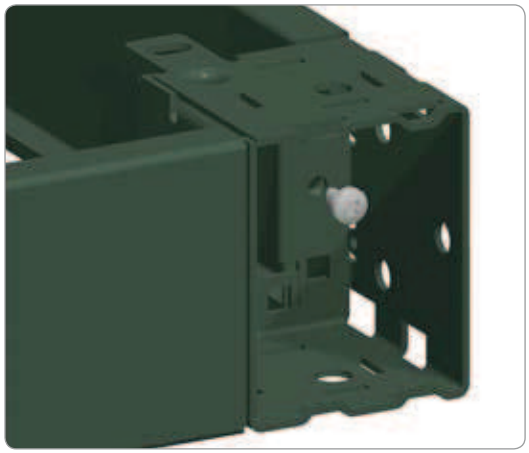
Plinth height 100 mm: $\alpha = 22°$.
Plinth height 200 mm: $\alpha = 11°$.

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.

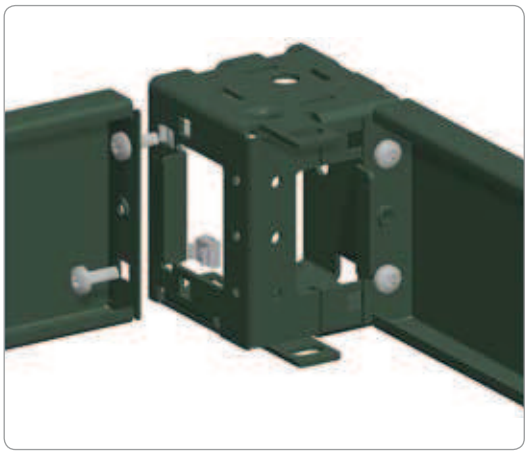
It is also possible to use floor-fixing supports, reference **NSYSGF**, to fix the corner or the panel and the corner to the floor.



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.



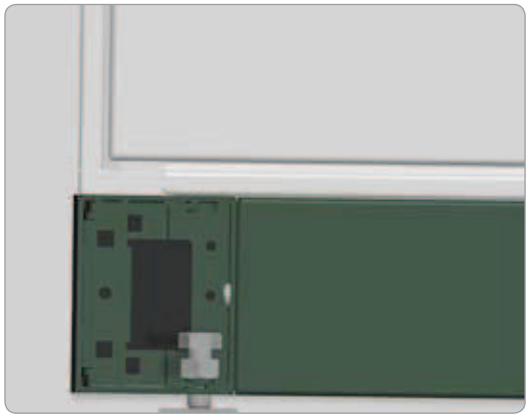


Fixing options

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**.

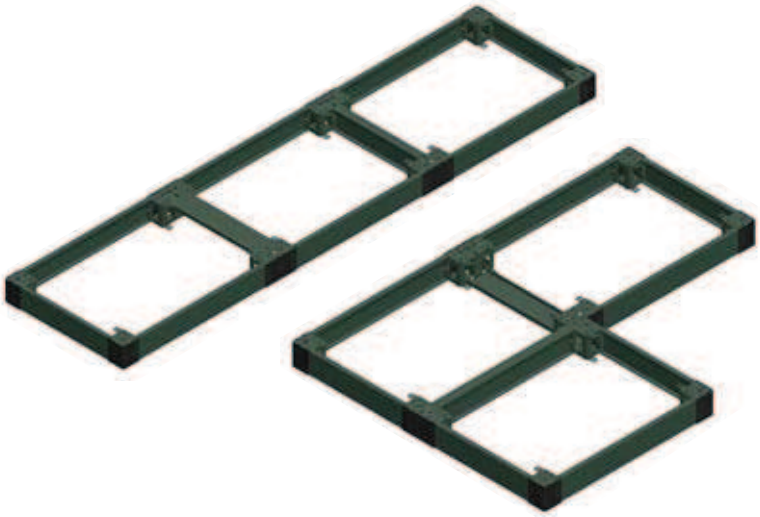
Composition accessories
Floor



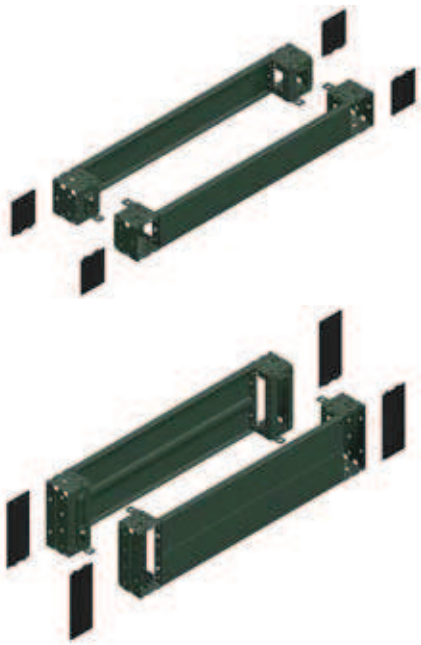
Levelling the plinth

The plinth allows levelling by means of an M12 screw.

Examples of solutions



Composition accessories
Floor

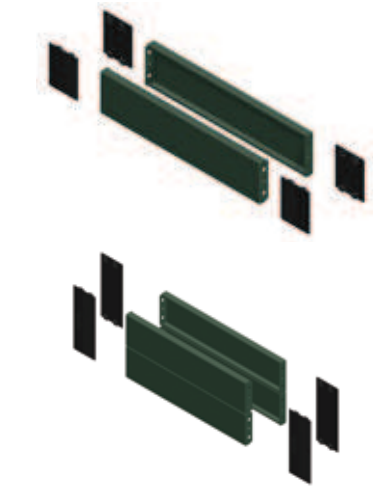


Front plinth

- 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	
Width	100 mm	200 mm
300	**NSYSPF3100**	**NSYSPF3200**
400	**NSYSPF4100**	**NSYSPF4200**
600	**NSYSPF6100**	**NSYSPF6200**
800	**NSYSPF8100**	**NSYSPF8200**
1000	**NSYSPF10100**	**NSYSPF10200**
1200	**NSYSPF12100**	**NSYSPF12200**
1600	**NSYSPF16100**	**NSYSPF16200**



Plinth side panels

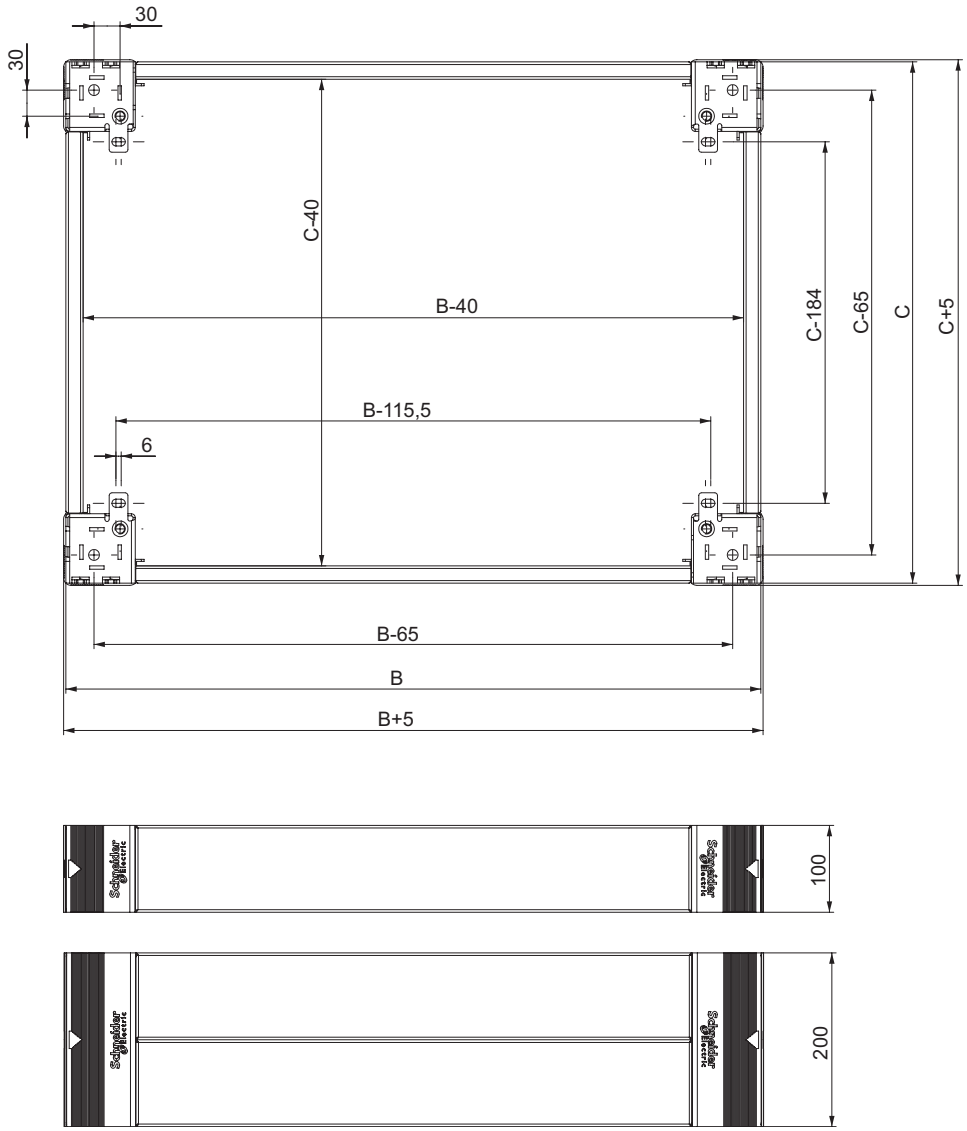
- They are fixed to the corner of the plinth by 2 fixing screws.
- Material: folded sheet steel.
- Finish: painted with epoxy-polyester resin, RAL 7022 grey.
- Degree of protection: IP30 of the complete plinth.
- Resistance to external mechanical impacts: IK10.
- Model heights: 100 and 200 mm.

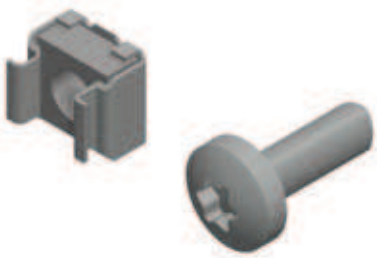
Supply:
– **Height 100 mm:** 2 side panels, 4 corner covers and fixing elements.
– **Height 200 mm:** 4 side panels (height of 100 mm, 2 for each side), 4 corner covers and fixing elements.

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

Composition accessories
Floor

General layout of the plinth





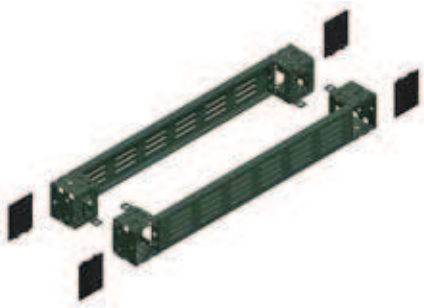
Screws and nuts for internal fixing of the plinth panels

- 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 **34** and **35**.
- 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**

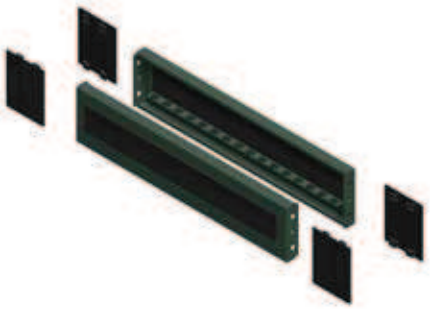


Ventilated side panels

- 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**

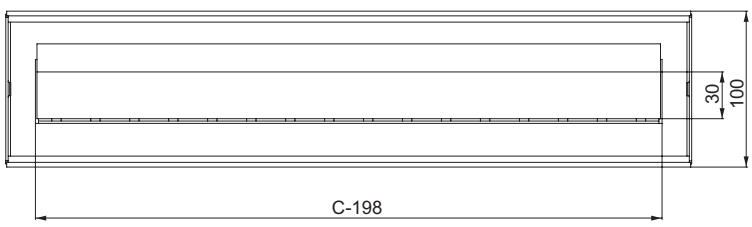


Panels with brush

- 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



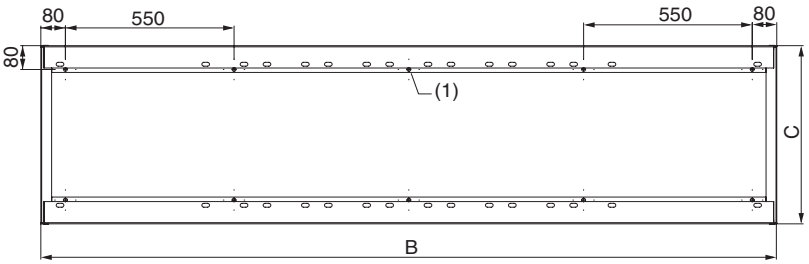
Plinth for sets

- 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**

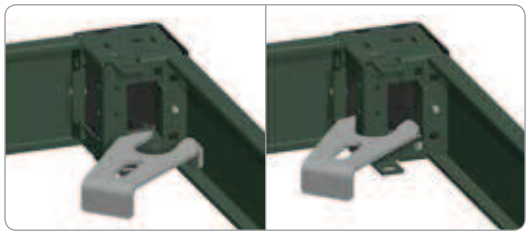
Nominal dimensions (mm)	Set side panel reference	
Depth (C)	100 mm	200 mm
400	**NSYSPC4100**	2 × **NSYSPC4100**
500	**NSYSPC5100**	2 × **NSYSPC5100**
600	**NSYSPC6100**	2 × **NSYSPC6100**
800	**NSYSPC8100**	2 × **NSYSPC8100**



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

Composition accessories
Floor



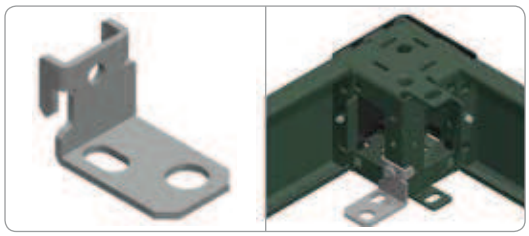


Fixing to the floor

- 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

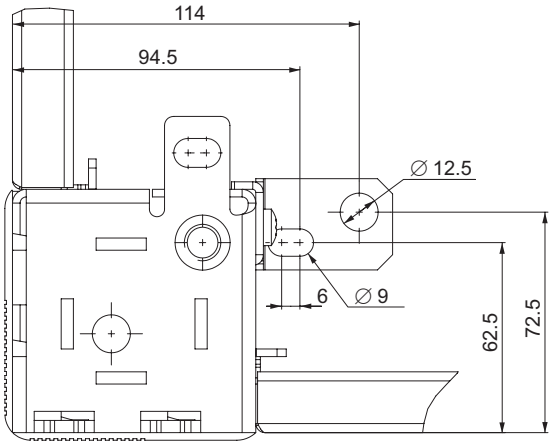


Fixing to the floor by fixing points of previous version (OLN/CMO or Spacial 6000 and 18500)

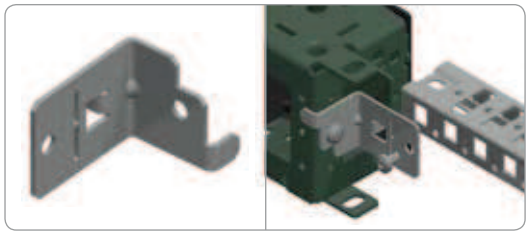
- Pieces that reproduce the floor-fixing points of the previous plinth.
- Material: zinc-coated steel.
- Thicknesses: 4 mm.
- M12 fixing point.

Supply: 4 pieces, fixing elements not supplied.

Reference
NSYOL6GF



Composition accessories
Floor



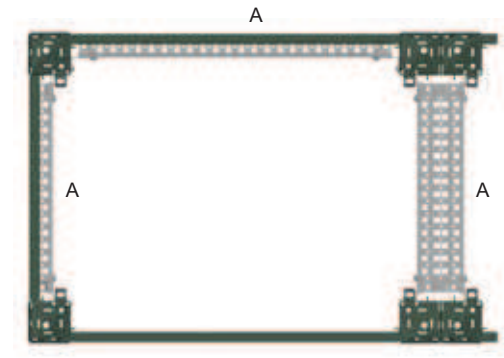
Plinth cross-rail support

- 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



Plinth cross rails fixed in position A.

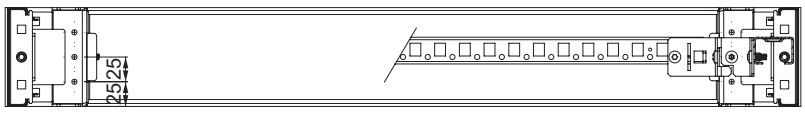
Plinth cross rails

- 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.

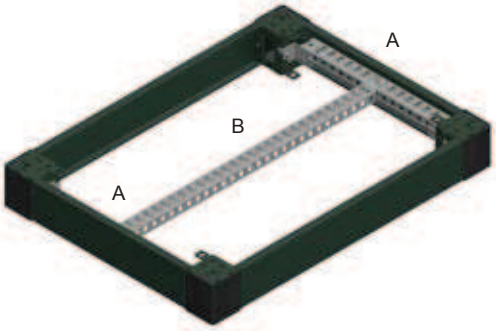
Plinth cross rails fixes in position A:

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





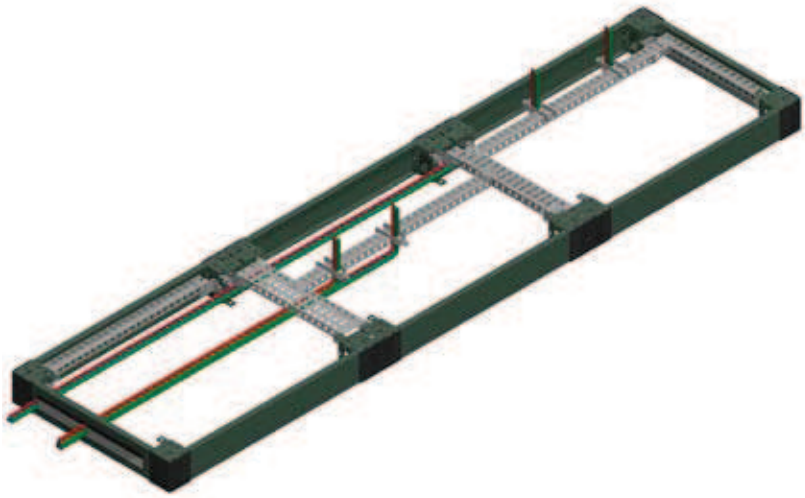
Composition accessories
Floor



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 **166**.



Example of fixing **Spacial SF**

Composition accessories
Cable entry

Cable-gland plates

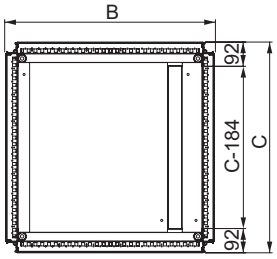
- Plates for cable entry from the bottom of the enclosure.
- Material: galvanised steel.
- Thicknesses: 1.5 mm.
- Fixing by C-shaped clip, fixed with screws, providing electrical continuity through the clip.
- Each plate has 2 drill holes with an 8-mm diameter, covered with a plug, for cases in which earthing needs to be performed by an earthing cable or braid (elements not supplied).
- Plate models:

– Plain.
– With 1 entry.
– With 2 entries.

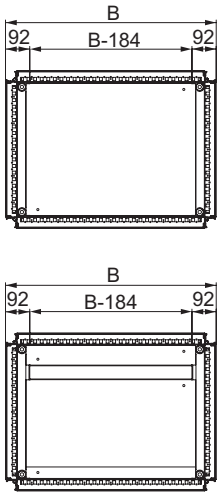
Plain cable-gland plate

- Maximum compact water/dustproof design.

Supply: plain plate and fixing elements.



Enclosures of 300 and 400 mm width.

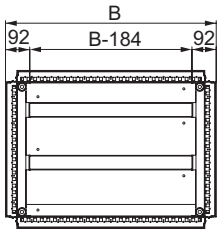


Enclosures of 600, 800, 1000 and 1200 mm width.

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.

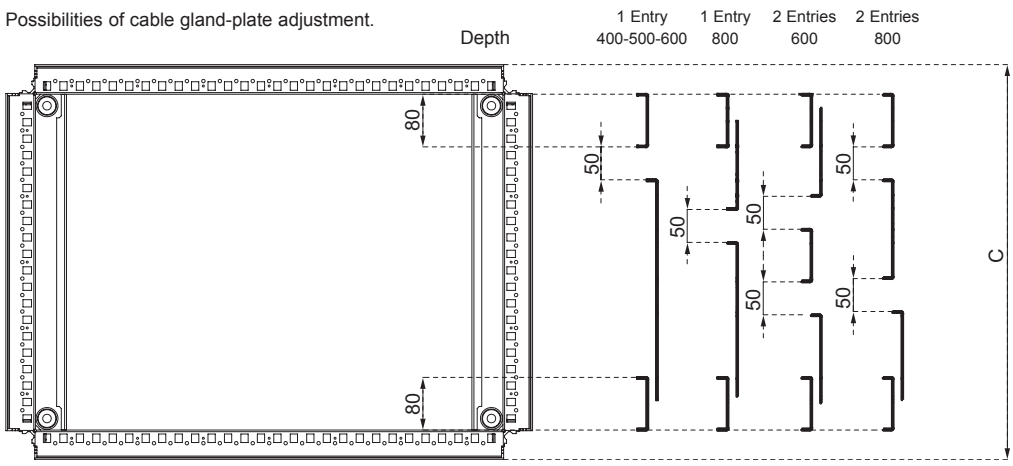


Cable-entry plate with 2 entries

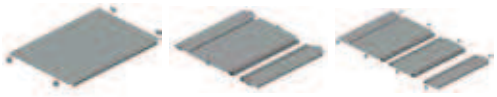
- Cable entry for very deep enclosures (600 and 800 mm).
- Two longitudinal openings allowing a large number of cables through.

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



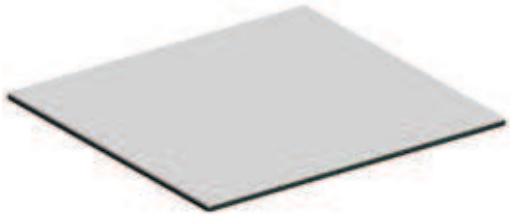
Brush-type cable-entry gasket

- 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



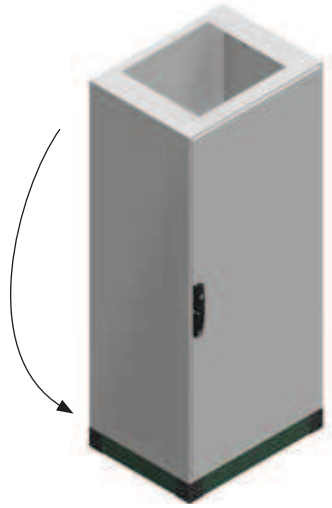
Plain cable-gland plate

- 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.

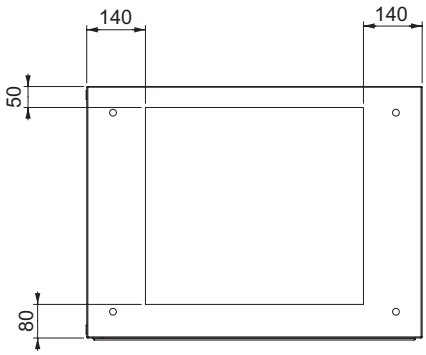
Supply: 1 plain plate and fixing elements.



Enclosure rotated 180°.

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**





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

Composition accessories
Cable entry



Brush-type cable-entry gasket

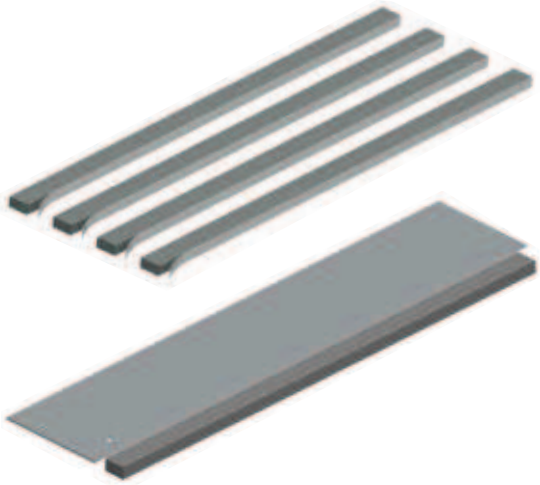
- Brush-type gasket for installation on the cable-gland plates. The cables can have different diameters.
- Guarantees good protection against dust.
- Quick and effective installation by clipping onto the sheet.
- Width of the brush gasket: 34 mm.

Supply: 2 brush-type gaskets.

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

Composition accessories
Cable entry

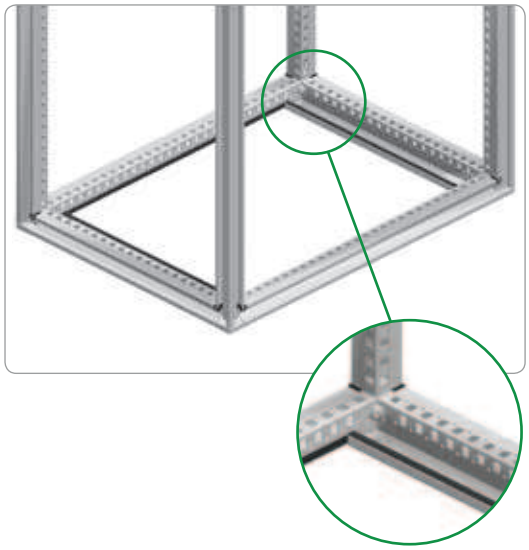


Sealing gasket

- 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

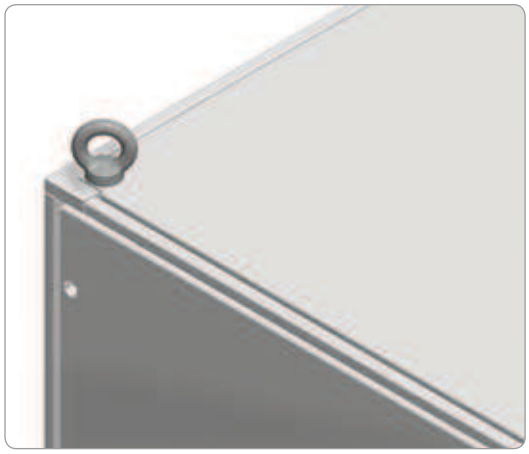
- Plate to be used together with plates with 1 or 2 cable entries, adding or replacing one of the parts.
- The system allows the simultaneous installation of various connector-entry plates.
- Material: galvanised steel.
- Thickness: 1.5 mm.

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



Composition accessories
Lifting systems



> Advantage:

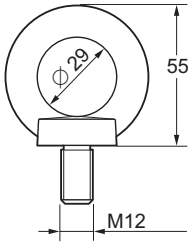
Eyebolts screwed directly into the vertical axis of the upright contribute greatly to robustness during transport.

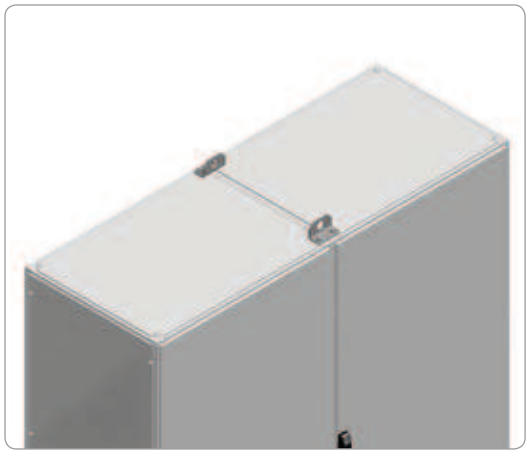
Eyebolts

- 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



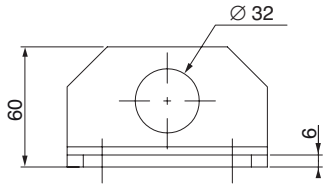


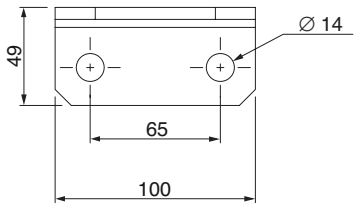
Lifting brackets

- 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 **52**.

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

Reference
NSYSFELB





Composition accessories
Lifting systems

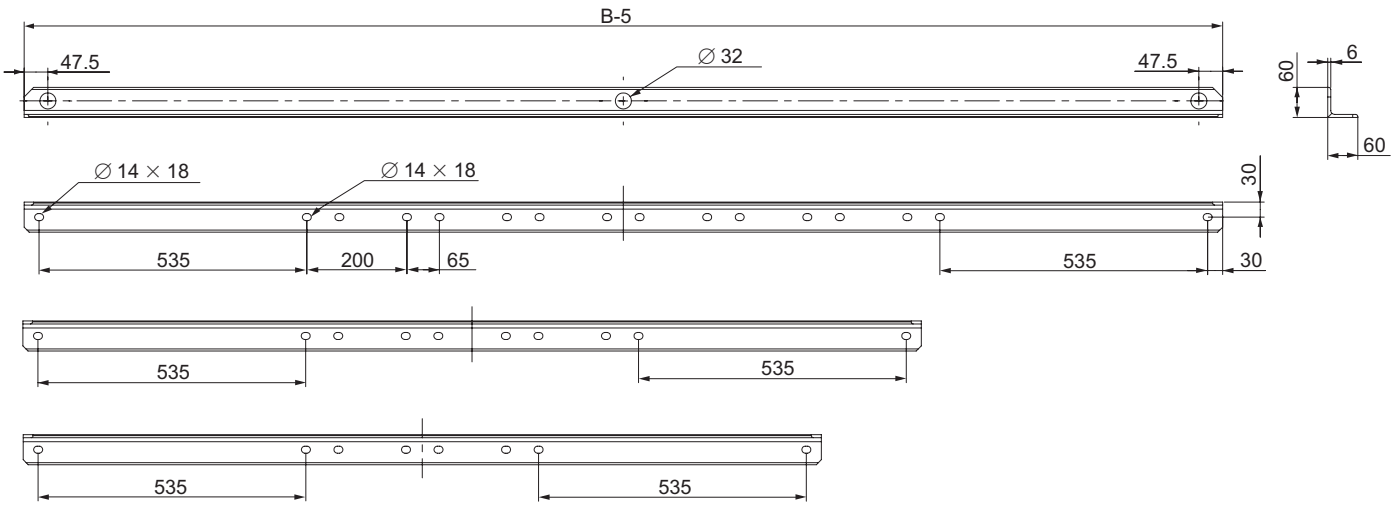


Lifting bar

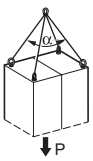
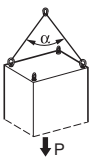
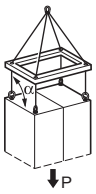
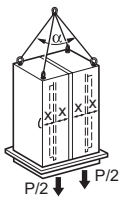
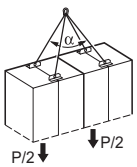
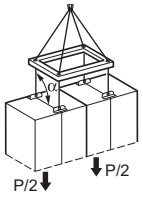
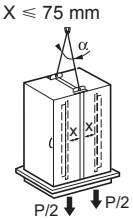
- Set of bars for lifting and transporting enclosures suites. They are fixed to the structure of the enclosure, in the axis of the uprights.
- Material: zinc-coated steel.
- Maximum load: see lifting and transport table.

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

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



Lifting instructions

	Eyebolts				Lifting brackets		
							
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

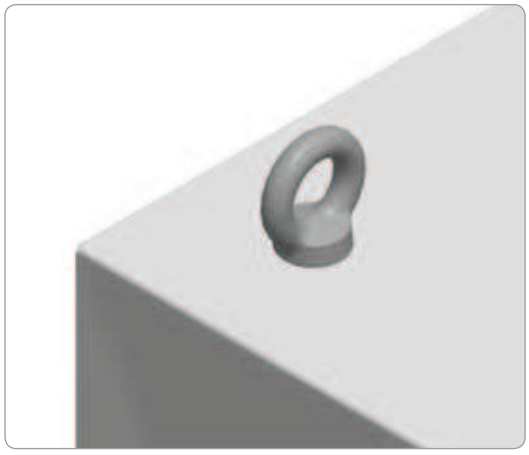


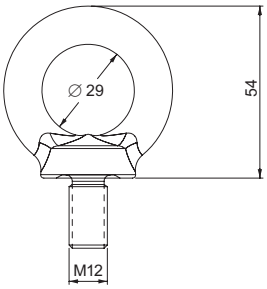
Eyebolts

- 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





Composition accessories
Roof

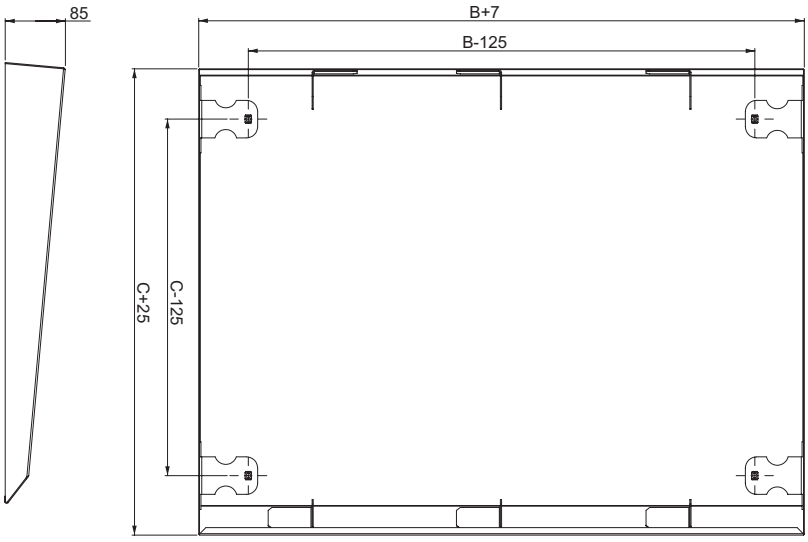


Canopy

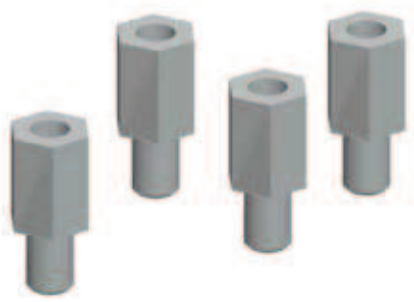
- Provides excellent protection against splashes from rainwater.
- Highly recommended for outdoor applications.
- **Spacial SF:** fixing by drill holes to be made in the roof of the enclosure.
- **Spacial SM:** fixing by drill holes already made in the roof.
- Material: galvanised steel.
- Finish: painted 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**
1800	500	**NSYSC1850**
	600	**NSYSC1860**
2000	500	**NSYSC2050**
	600	**NSYSC2060**
2400	500	**NSYSC2450**
	600	**NSYSC2460**



Composition accessories
Roof

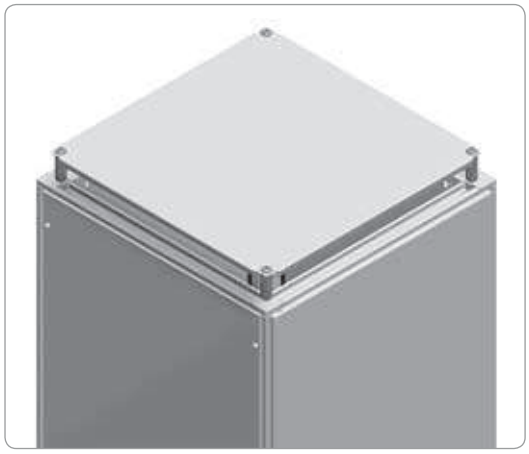


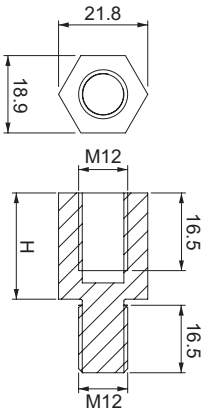
Ventilation elevators for roof

- 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**



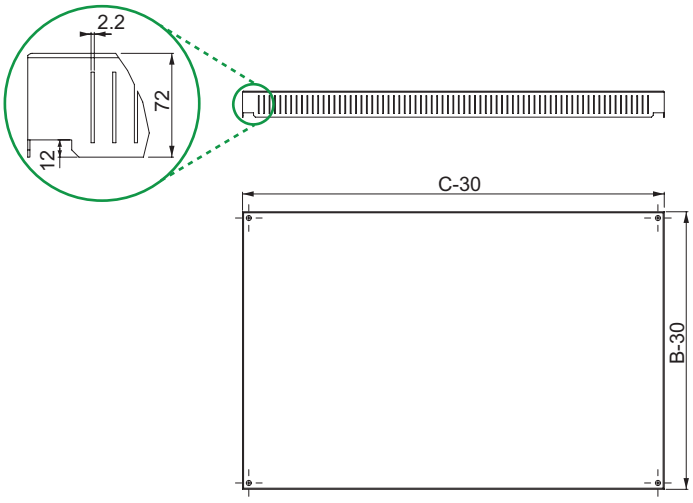


Ventilated roof

- 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**



Composition accessories
Roof

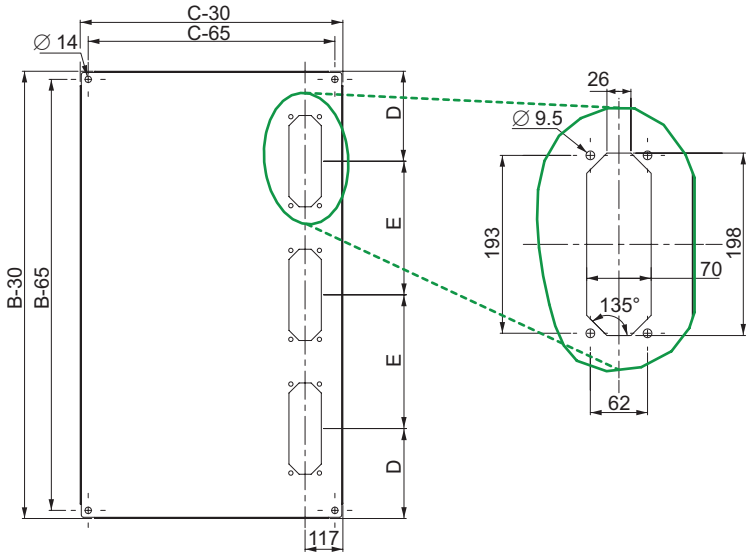


FL21 cable-entry roof

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

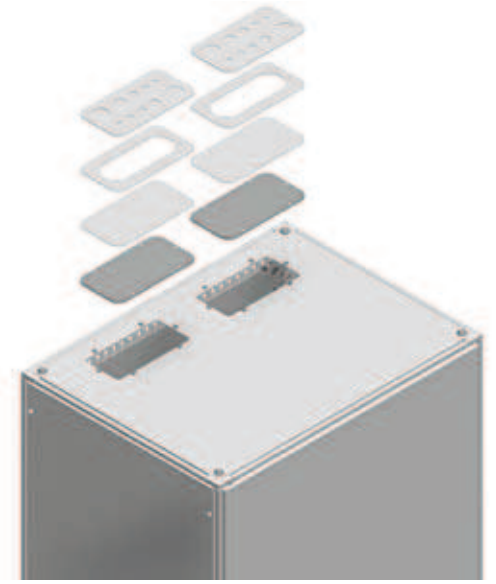
Supply: one cut-out roof for the FL21 cable-entry plates.

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



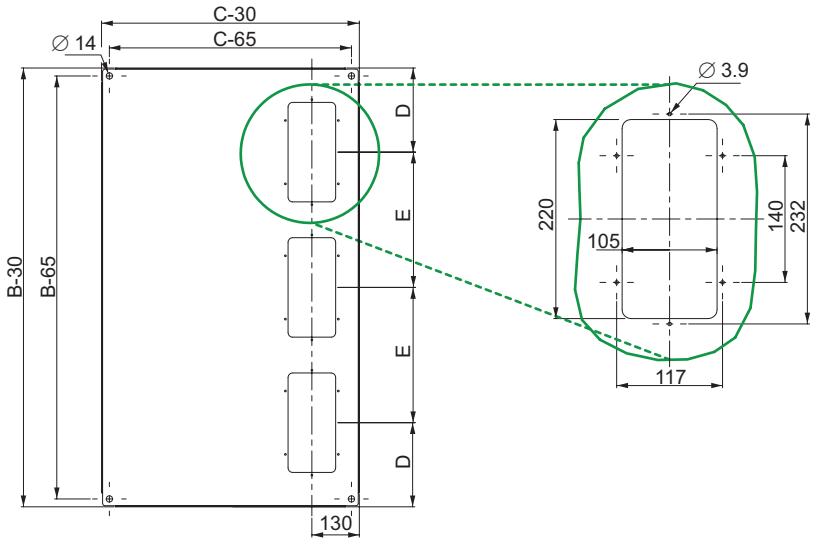


Cable-entry roof

- 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



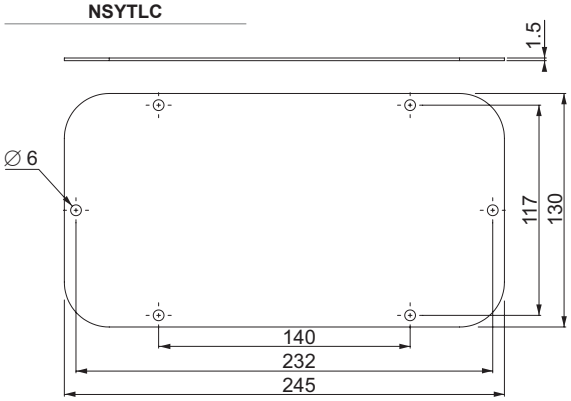


Standard cable-entry plate

- 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



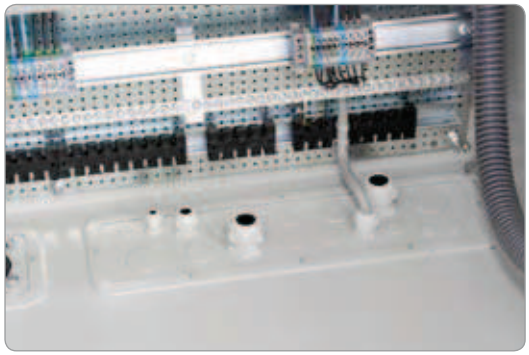
Composition accessories
Roof



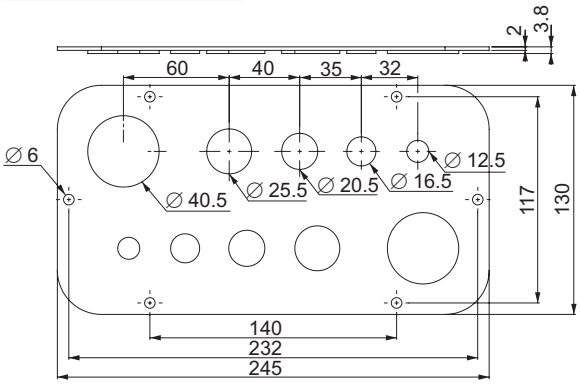
Pre-cut cable-entry plate

- Plate with pre-cut holes of different diameters. Fixing by means of screws.
- Pre-cuts:
  – 2 × ∅ 12.5.
  – 2 × ∅ 16.5.
  – 2 × ∅ 20.5.
  – 2 × ∅ 25.5.
  – 2 × ∅ 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

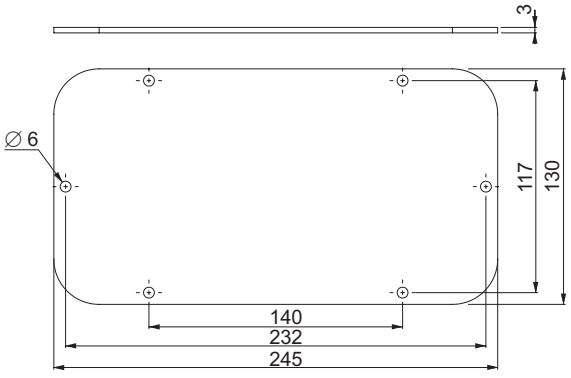


Aluminium cable-entry plate

- 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

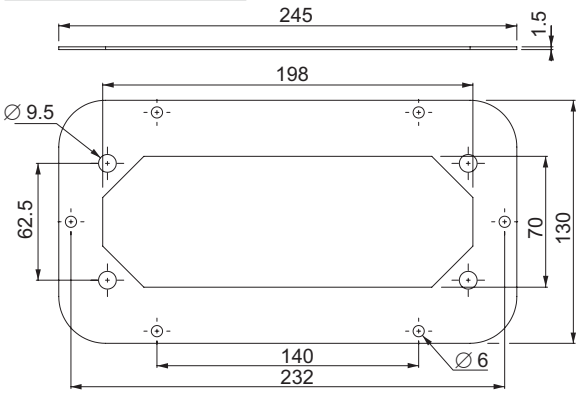


Adapter for FL21 cable-entry plate

- 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
NSYTLCFL





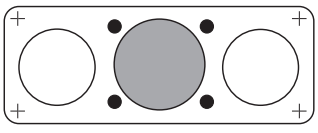


FL21 cable-entry membranes

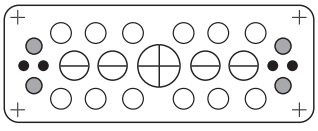
- Membrane plate for watertight cable entries made from insulating material (fire-resistance level UL94-V0).
- Direct installation in the FL21 cable-entry plate adapter.
- 4 models: plain plate and membrane plates from 7 to 35 cable entries.
- Degree of protection: IP65.
- Material: grey plastic.

Supply: membrane plate and fixing elements.

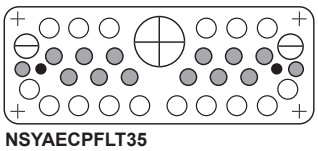
No. of cable entries	Reference
Plain	NSYAECPFLBP
7	NSYAECPFLT7
25	NSYAECPFLT25
35	NSYAECPFLT35



NSYAECPFLT7



NSYAECPFLT25



NSYAECPFLT35

Characteristics of the membranes

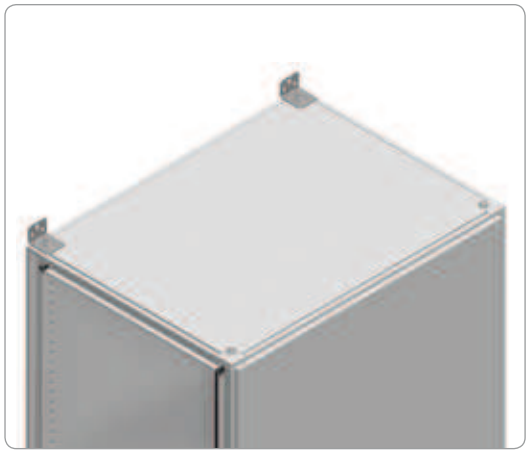
Membrane symbol	For cable ∅ (mm)	Number	IP	Another possible ∅ (mm) (1)
●	8-16	4	65	-
○	24-54	2	65	-
◍	30-60	1	65	-

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

Composition accessories
Wall-mounting

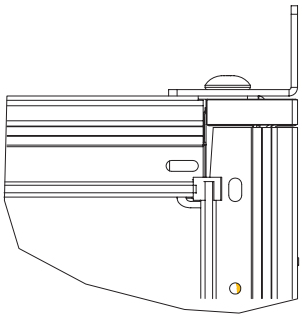


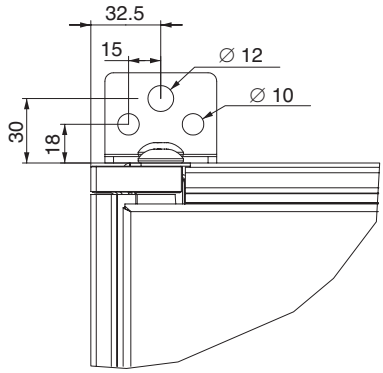
Wall-mounting support

- 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





Composition accessories
Wall-mounting

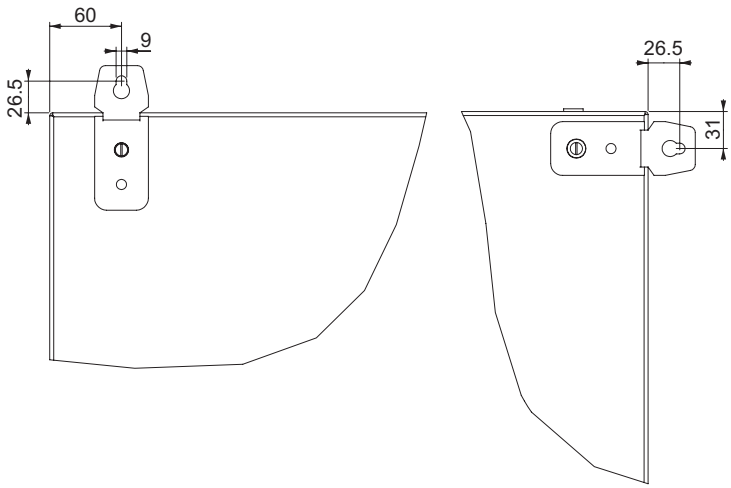


Wall-mounting support

- 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



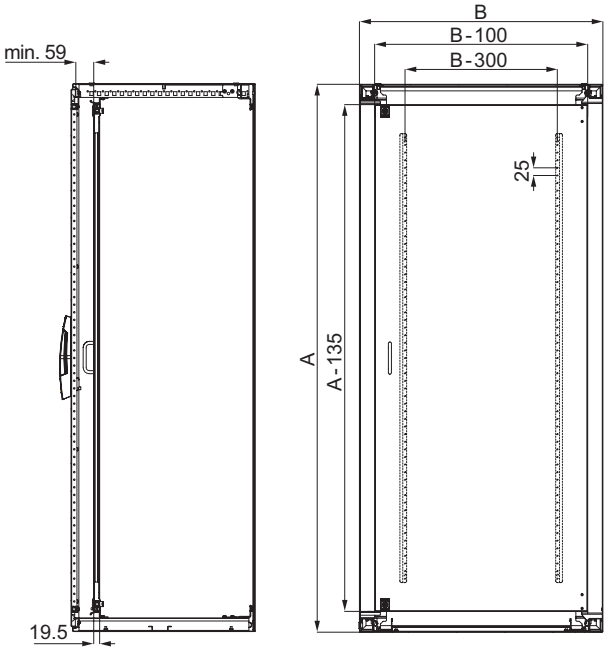


Inner door

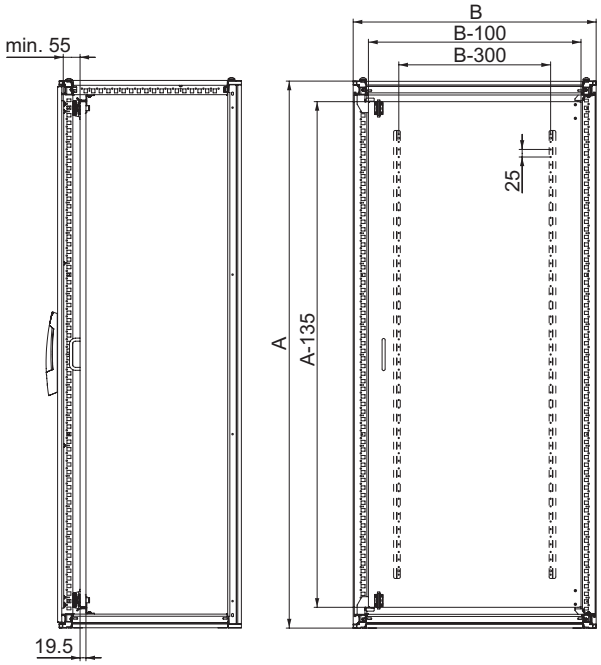
- Door for additional protection. Prevents the switchgear from being manipulated by unauthorised personnel.
- Allows the installation of switchgear mounted directly on the door.
- Mounting on the top and bottom frame of the enclosure.
- Depth adjustable with a pitch of 25 mm, from the first fixing point.
- 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**



Spacial SM



Spacial SF

Composition accessories
Door and door accessories



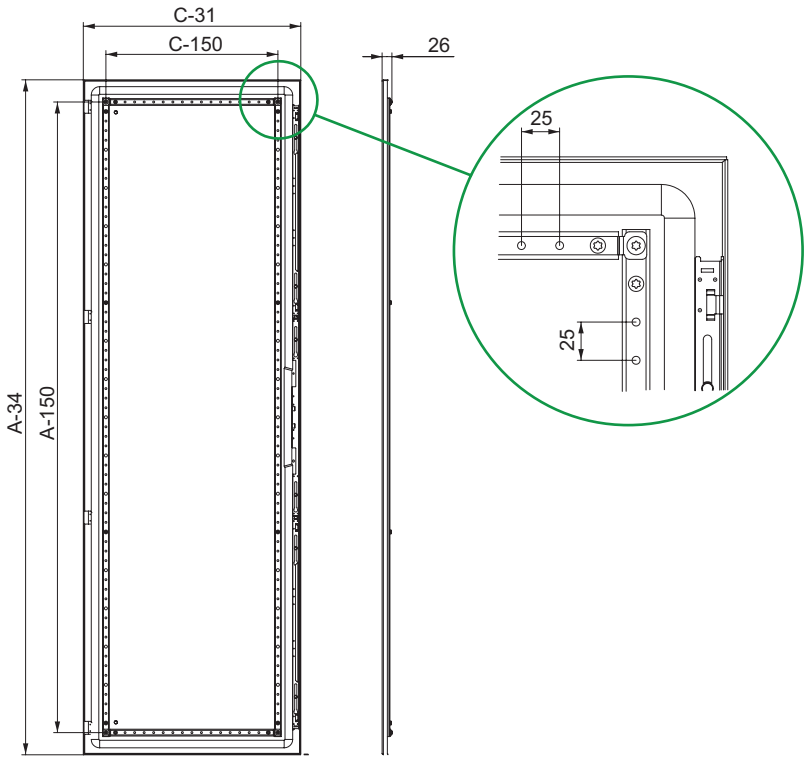
> Advantage:
The side door is the same as the front door when the width and depth dimensions are the same.

Side door

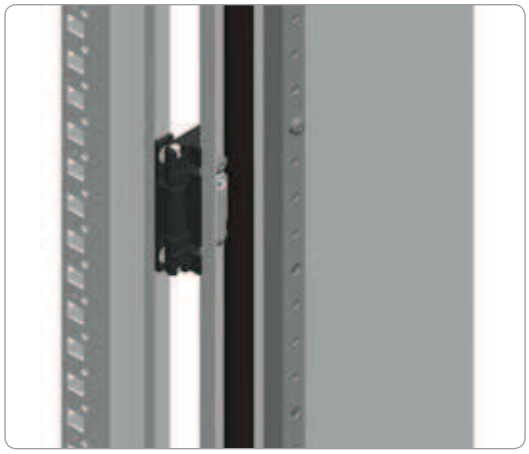
- Door for the side of the enclosure, replaces the side panel.
- Installation directly on the structure of the enclosure, opening 120°.
- Lock with handle and 5-mm double-bar insert.
- 4 locking points.
- Reinforcement frame, cut-out with a pitch of 25 mm.
- Opening to right or left.
- Material: steel.
- 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**



Composition accessories
Door and door accessories

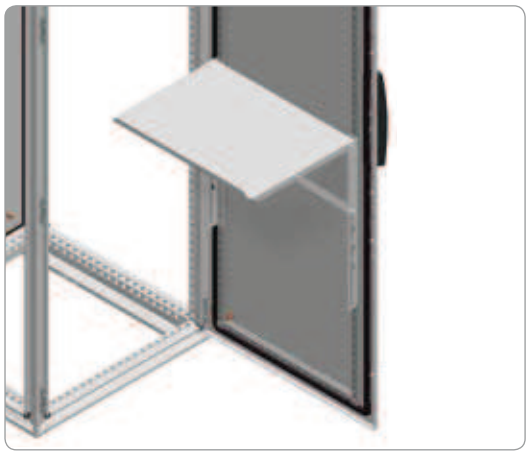


180° hinge

- 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.

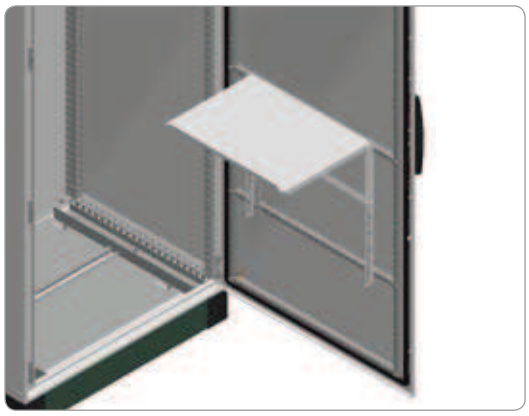
Model	Reference
RAL 9005 black	**NSYSH180**



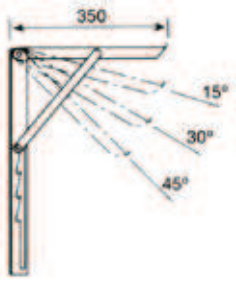
Folding support tray

- 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 **160**.
- Adjustable depth with a pitch of 25 mm.
- In enclosures with a width of 1,000 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) Width	Reference
500	**NSYSDT5**
600	**NSYSDT6**
800	**NSYSDT8**



Composition accessories
Door and door accessories

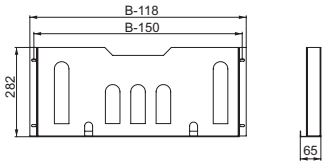


Metal document pocket

- 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) Width (B)	Reference
600	**NSYSDP6M**
800	**NSYSDP8M**



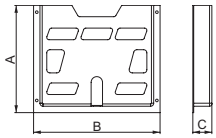


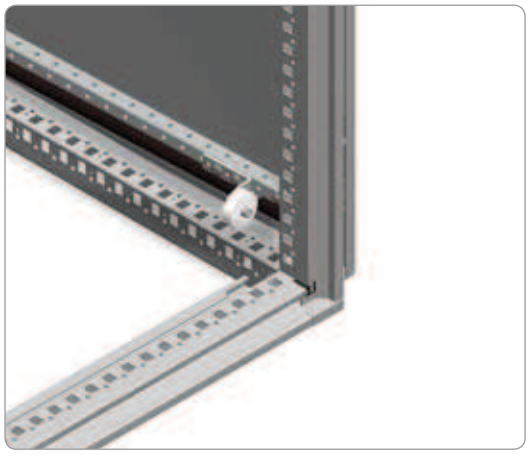
Plastic document pocket

- 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**





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

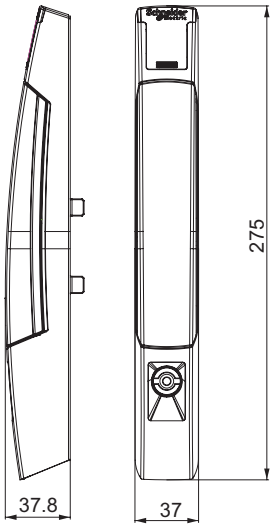
- Handle lock allowing the door to be opened: with a single movement.
- Standard handle for the entire range of **Spacial SF** and **Spacial SM** enclosures; does not include the insert when ordered as an accessory.
- Easy and quick installation of inserts without needing screws.
- Allows the installation 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
 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

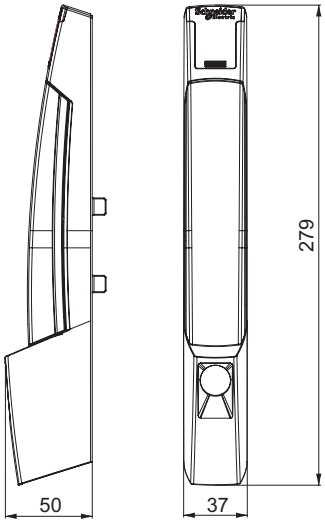
Push button	Reference
 Push button	NSYINPULS1

> For installing shape inserts and cylindrical barrels in handle types DIN, KABA and ASSA (ref. **NSYSFHD2**), see adapter (ref. **NSYLADP**) page **69**.

Cylindrical barrels	Reference
 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.

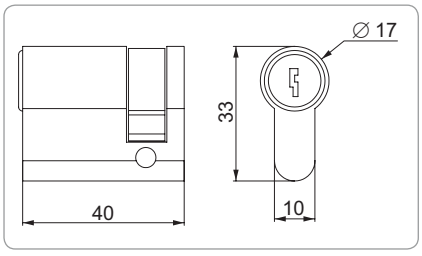
- UV resistant.
- Fire resistance: 650 °C.
- Resistance to external mechanical impacts: IK10.

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

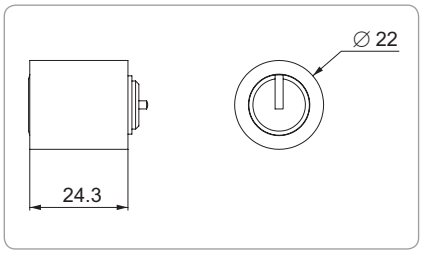
Reference
NSYSFHD2

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

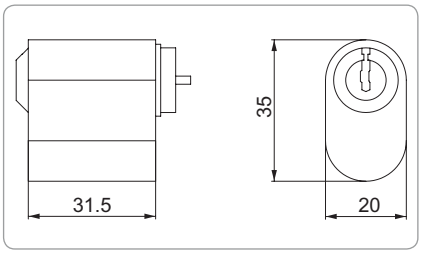
(1) Adapter for receiving the KABA8, KABA20 and KABA start cylinders.



Insert dimensions for DIN adapters.



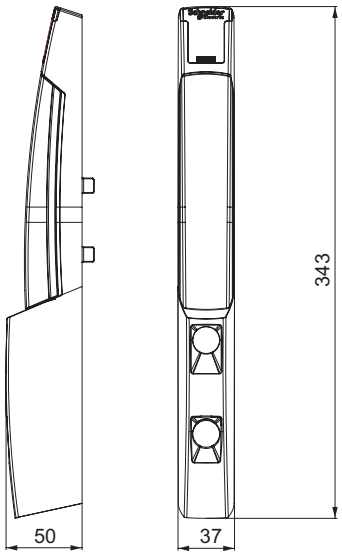
Insert dimensions for KABA adapters.



Insert dimensions for ASSA adapters.

Composition accessories
Locking system





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.

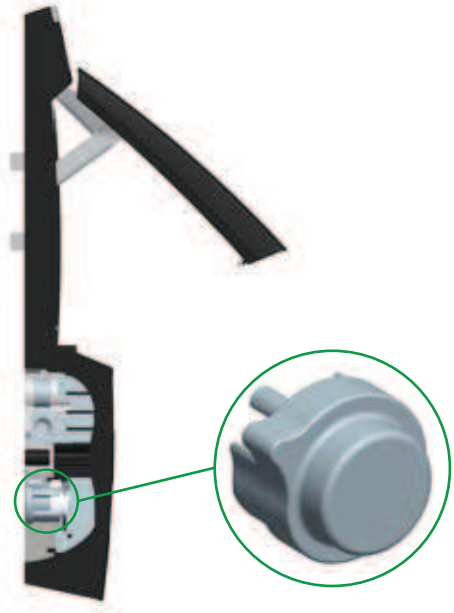
- The symmetric design of the locking system makes it easy to change the opening direction of the door, right/left. Mounting on the door by means of screws.
- Space reserved for enclosure identification, 21 × 27 mm, protected by a label frame.
- Material:

– 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 **67**.
- See insert types DIN, KABA, ASSA on page **68**.

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

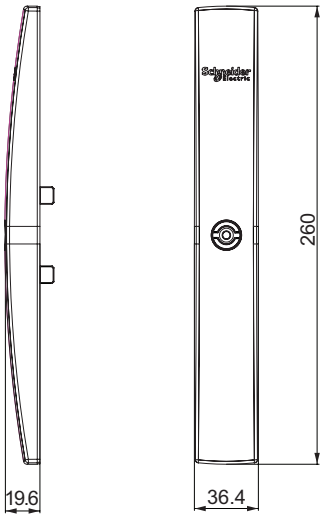
Composition accessories
Locking system



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
	Flat lock + screwdriver slot, 2-mm groove	**NSYSFLOCK24**
	Flat lock + 8-mm triangular insert	**NSYSFLOCKT8**
	Flat lock + 7-mm triangular insert	**NSYSFLOCKT7**
	Flat lock + 6.5-mm triangular insert	**NSYSFLOCKT6**
	Flat lock + 8-mm female square insert	**NSYSFLOCKSG8**
	Flat lock + 8-mm square insert	**NSYSFLOCKS8**
	Flat lock + 7-mm square insert	**NSYSFLOCKS7**
	Flat lock + 6-mm square insert	**NSYSFLOCKS6**
	Flat lock + 5-mm double-bar insert	**NSYSFLOCKDB5**