



WORKSHOP SPECIFICATIONS



DISTRIBUTION ENCLOSURES

XL³ HP 6300

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LEGRAND SUPPORTS YOU ON ALL YOUR PROJECTS

The workshop manual for XL³ HP 6300 enclosures is an assembly aid document supplemented with tips and installation reminders. Throughout the document, assembly steps are illustrated with product photos or technical drawings to help you visualize them in detail.

Drawings of screws, allowing you to equip yourself with the necessary tools, are also illustrated.

A useful document for assembling our products easily and efficiently, this workshop manual is a real aid for you, panel builders and installers

LEGAL INFORMATION

Presentation pictures do not always include Personal Protective Equipment (PPE), but this is a legal and regulatory obligation that must be scrupulously respected.

In accordance with its continuous improvement policy, Legrand reserves the right to change the specifications and illustrations without notice. All illustrations, descriptions and technical information included in this document are provided as indications and cannot be held against Legrand.



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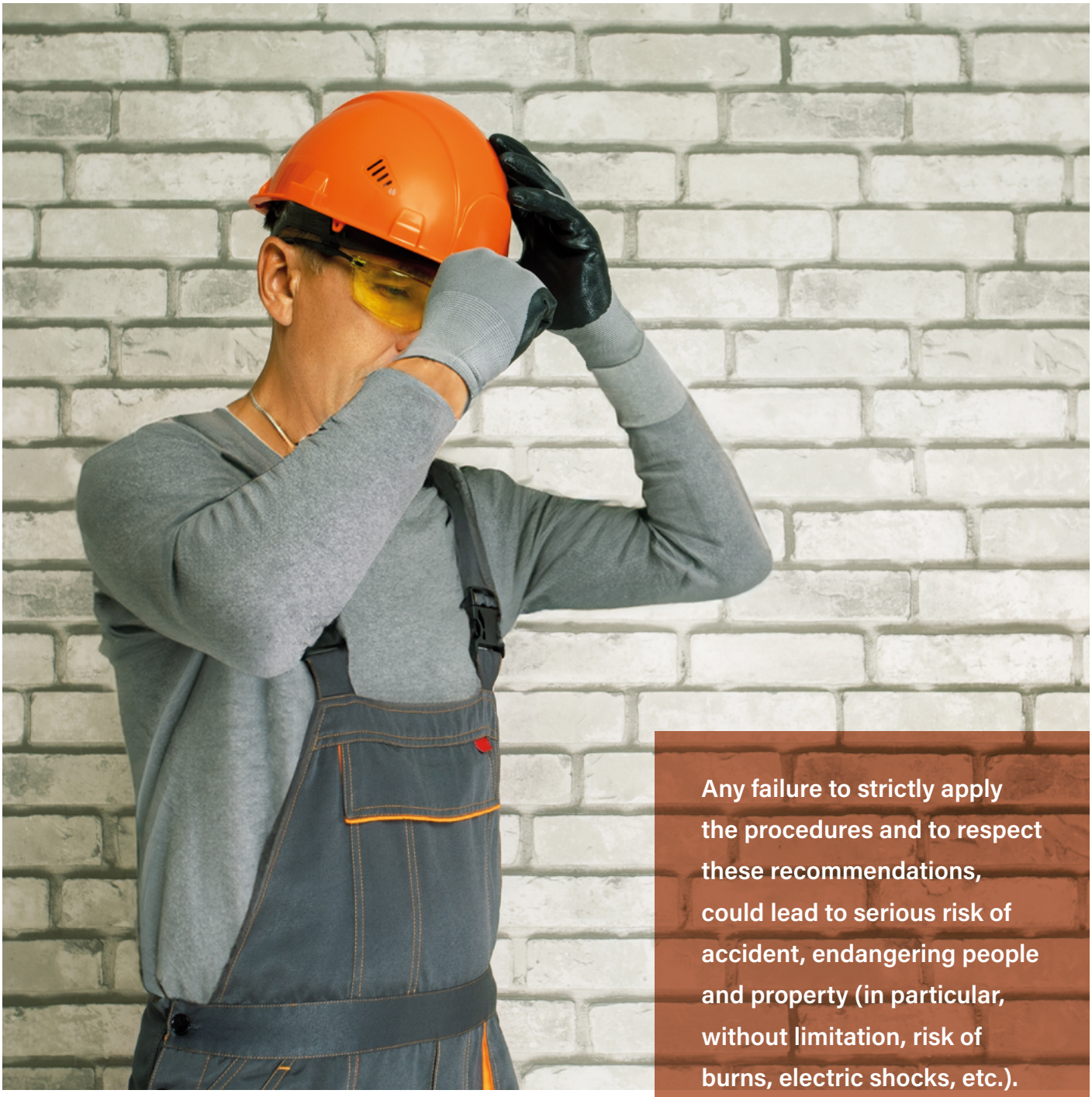
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XL³ HP 6300 ENCLOSURES

SAFETY INSTRUCTIONS



Any failure to strictly apply the procedures and to respect these recommendations, could lead to serious risk of accident, endangering people and property (in particular, without limitation, risk of burns, electric shocks, etc.).

General information

- Use only the products and accessories recommended by the Legrand Group in the catalogue, instructions, technical data sheets and all other documents provided by Legrand (hereinafter referred to as “the Documentation”) in compliance with the installation rules.

Improper installation or use may result in the risk of arcing in the enclosure, overheating or fire. The enclosures must be used under normal conditions, they must not be subjected to Voltage / Current / Temperature values other than those specified in the Documentation.

- Legrand declines all responsibility for any modification or repair of the equipment making up the enclosure that is not authorized by the Legrand Group, as well as any failure to comply with the rules and recommendations specified by Legrand in the Documentation. In addition, in the cases mentioned above, the warranty granted by Legrand will not be applicable.
- It is necessary to check that the characteristics of the products are appropriate for their environment and use during maintenance operations, and to refer to the Documentation.
- If you have any questions or require clarification, please contact Legrand Group.

Protection/security

- The installation, use and maintenance of the enclosures and their components must be carried out by qualified, trained and authorized personnel, in accordance with the regulations in force in each country.
- People working on the installation must have the appropriate electrical authorizations for the work to be carried out.
- Wear the PPE (Personal Protective Equipment) necessary to work on live products.



- Respect the safety rules related to electrical work.
- Improper electrical and mechanical use of equipment can be dangerous and may result in personal injury or damage to property.

Maintenance

- Depending on the maintenance operations to be carried out, partial or total power cuts of the enclosure concerned should be planned before any work.
- When performing operations that involve access to the inside of the enclosure, be aware of the risk of burns before touching any.
- Before turning the power back on, make sure that there are no foreign bodies and that all physical protections have been put back in place (e.g.: screens, covers, faceplates).

Risk of electric shock, burns and explosion.

The rules and recommendations in this document are based on our knowledge of the typical conditions of use of our products in the fields of application usually encountered. However, it is always the customer’s responsibility to verify and validate that Legrand products are suitable for its installation and use.

The customer must ensure proper installation, maintenance and operation of the equipment to avoid any risk of injury to personnel or damage to property in the event of product failure, especially for applications that require a very high level of safety (e.g., those in which the failure of a component may endanger human life or health).

The rules for storage, handling, installation and maintenance and the appropriate precautions and warnings must be strictly observed and applied.

DISTRIBUTION AND INDUSTRIAL ENCLOSURES

A NEW XL³ HP 6300 RANGE

XL³ HP 6300, a range designed for installers, panel builders, and integrators looking for practical, robust, and optimized distribution or automation enclosures up to 6300 A.

Presentation of the new referencing method

EXAMPLE OF A COMPONENT REFERENCE FOR AN ENCLOSURE:

3PAP07018030

Ranges
0: common
1: XL³ HP 160
2: XL³ HP 630
3: XL³ HP 6300

Product types:
PAP: panel
PBV: curved glass door
PBM: curved metal door
PPM: flat metal door
PR: functional upright
TBP: roof-base
TRP:crosspiece
FP: faceplate support
VI: internal cable sleeve
[...]

Sizes:
040: width 400 mm
045: width 450 mm
050: width 500 mm
060: width 600 mm
070: width 700 mm
080: width 800 mm
100: width 1000 mm
120: width 1200 mm
140: width 1400 mm
160: width 1600 mm

Sizes:
120: height 1200 mm
160: height 1600 mm
180: height 1800 mm
200: height 2000 mm
220: height 2200 mm

IP
30 or 55

EXAMPLE OF AN EQUIPMENT REFERENCE FOR AN ITEM:

3PFH024FA80

Ranges
0: common
1: XL³HP 160
2: XL³ HP 630
3: XL³ HP 6300

Product types:
PFH: horizontal faceplate
PFV: vertical faceplate
PLH: horizontal mounting plate
PLH: vertical mounting plate
PLQ: form 4 mounting plate

PM: mounting plate
DIN: DIN rail
PEC: cable entry
[...]

Sizes or product types:
015: height 150 mm
020: height 200 mm
030: height 300 mm
000: DPX³ 160 MCCB
003: DPX³ 250 MCCB
006: DPX³ 125HP/160HP MCCB
009: DPX³ 250HP MCCB
018: DPX³ 630 MCCB
024: DPX³ 1600 MCCB
[...]

Mountings:
F: fixed version
Y: draw-out version
X: plug-in version
.D: with residual current device
.A: x version + rotary handle
.M: x version + motor-driven handle
.T: transfer switch version
DIN: DIN rail mounting
DIND: offset DIN rail mounting
[...]

Compatible enclosures or number of products:
45: 450 mm width
60: 600 mm width
70: 700 mm width
80: 800 mm width
01: for 1 product
02: for 2 products
03: for 3 products

Range overview



XL³ HP 6300 DISTRIBUTION ENCLOSURES

- Enclosures to assemble: up to 84 dimensions available
- For power distribution up to 6300 A
- IP 30 or IP 55
- Adapt to installation constraints: U-shape, L-shape, back-to-back...
- Internal cable sleeves can be made in widths of 200, 300 and 400 mm
- IS-chassis
- Distribution system with insulating supports for aluminum or copper busbars

NEW

Easy assembly:

- Numbered marks on the functional uprights corresponding to the position marks defined by XLPro4
- Quick-mounting crosspieces: tool-free fixing and identification by number and letter for easier positioning
- Accessories common to the XL³ HP 6300 range for automation



XL³ HP 6300 AUTOMATION ENCLOSURES

- Enclosures to be assembled: up to 86 dimensions available
- Monobloc enclosures: up to 25 dimensions available
- For industrial applications and dusty environments
- IP 55

NEW

- More dimensions available
- Structure of enclosures to be assembled is common with XL³ HP 6300 distribution enclosures (roof-base, uprights, panels, etc.)
- Common accessories for XL³ HP 6300 distribution enclosures

DISTRIBUTION ENCLOSURES



PRESENTATION

XL³ HP 6300 metal cabinets are enclosures with optimized dimensions for power distribution up to 6300 A. Many combinations are possible thanks to several heights, widths, and depths:

- 3 heights: 1800, 2000 or 2200 mm
- 6 widths: 450, 600, 700, 800, 1000 and 1400 mm
- 5 depths: 400, 600, 800, 1000 and 1200 mm

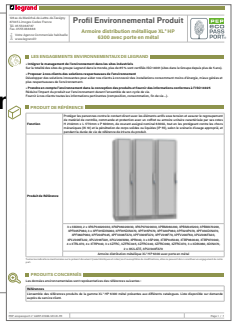
SOME KEY POINTS

- IP 30 with panels with ventilation louvres, with or without door
- IP 55 with solid panels and door and sealing gasket in case of coupling
- IK 07 without door
- IK 08 with glass door
- IK 10 with solid door
- RAL 7035
- Short-circuit withstand Icc: 100 kA
- Allows meeting the requirements of IEC 61439-1 and IEC 61439-2 standards
- Compliant with regulations for Establishment Open to the Public and Establishments Receiving Workers

Technical data sheet available, for more information on installation product resistance, etc.
► consult the online catalog on legrand.com



PEP sheets available, for more information on the product's en profile
► consult the online catalog on legrand.com



COMPOSITION OF AN ENCLOSURE

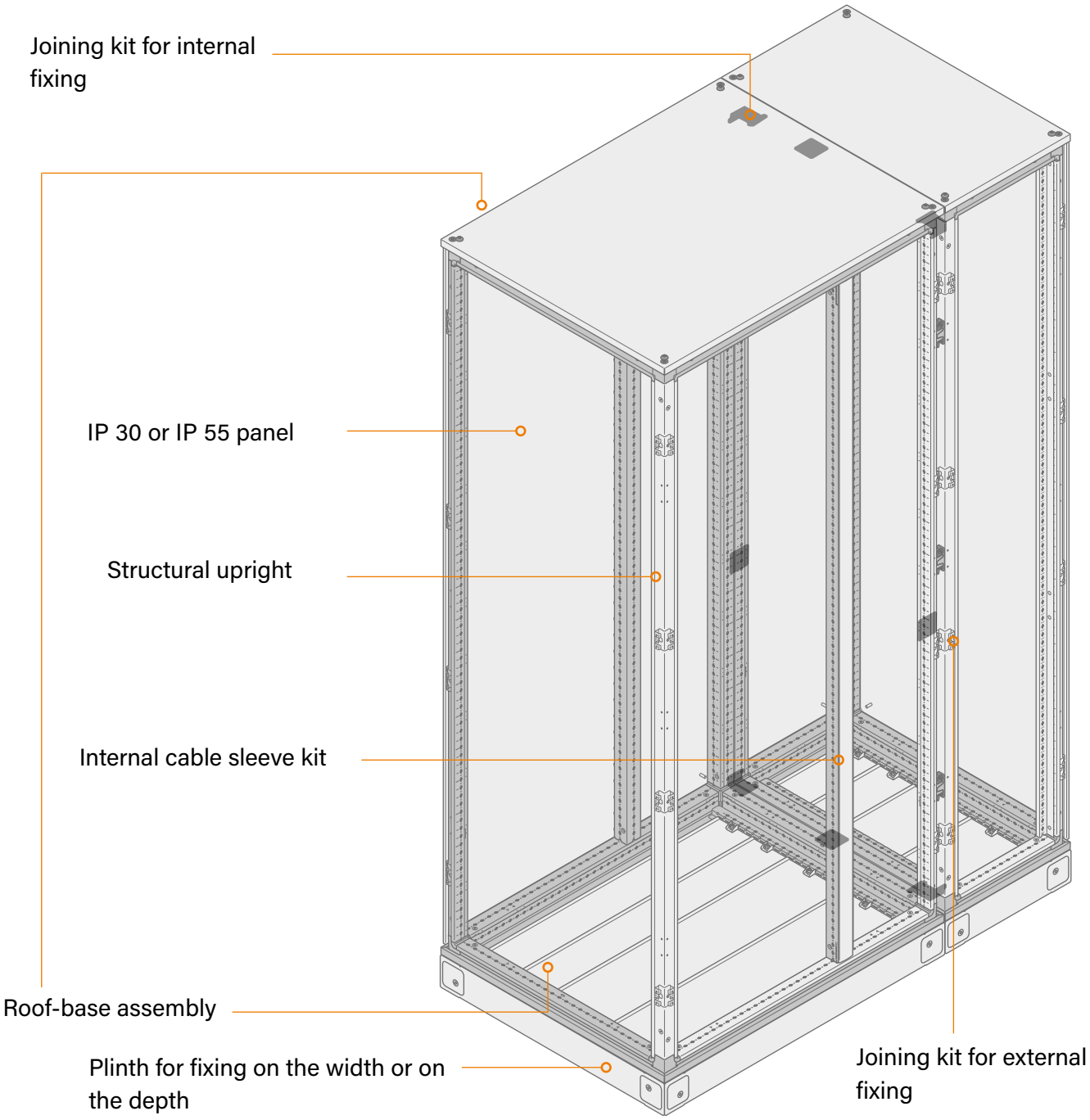


TABLE OF AVAILABLE COMBINATIONS WIDTH X DEPTH

5 DEPTHS (MM)	6 WIDTHS (MM) 450	600	700	800	1000	1400
400	■	■	■	■	■	
600	■	■	■	■	■	
800	■	■	■	■	■	■
1000	■	■	■	■	■	■
1200	■	■	■	■	■	■

MOUNTING OF ENCLOSURES

Few steps are required for enclosure assembly:
- roof-base and structural upright assembly
- installation of rear and side panels

Please follow the safety instructions and wear PPE (gloves) for these assembly steps on metal enclosures ► p. 2-3

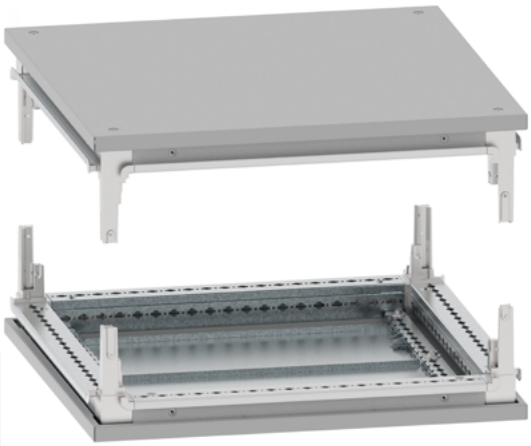
A logistics guide provides best practices for handling the product
► **available in the online catalog at legrand.com**





Safety (significant weight and volume): It is recommended to have 2 people to handle the components for assembling the enclosure safely.

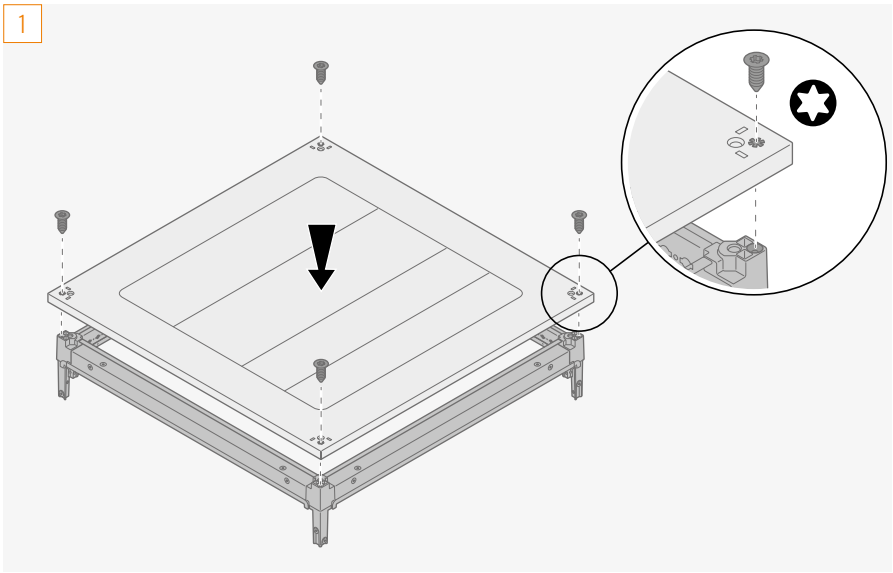
Base assembly (without plinth)



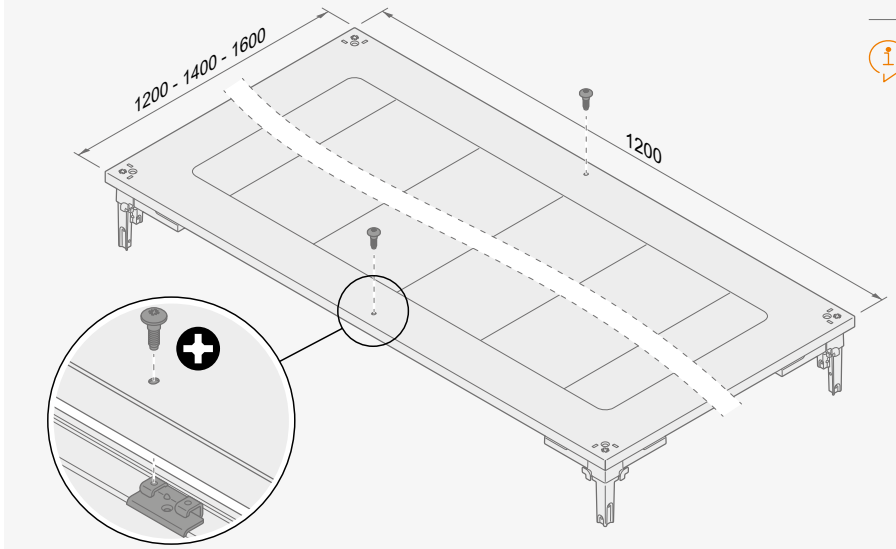
The roof-base assembly is supplied with the necessary screws for all dimensions.
The base consists of a frame, cable entry plates, and is equipped with an earth connection at the bottom.

For installation with plinth, **see p. 10**

1



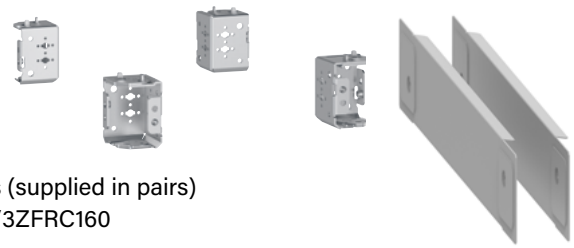
1. Fix the base to the outside of the frame with the 4 supplied Torx screws.



Bases with a width or depth of 1200 mm, 1400 mm, or 1600 mm(1) require the insertion of 2 screws
(4 screws for Cat.No 3TBP140120)

(1): 1600 mm width dedicated to automation enclosures

MOUNTING OF ENCLOSURES



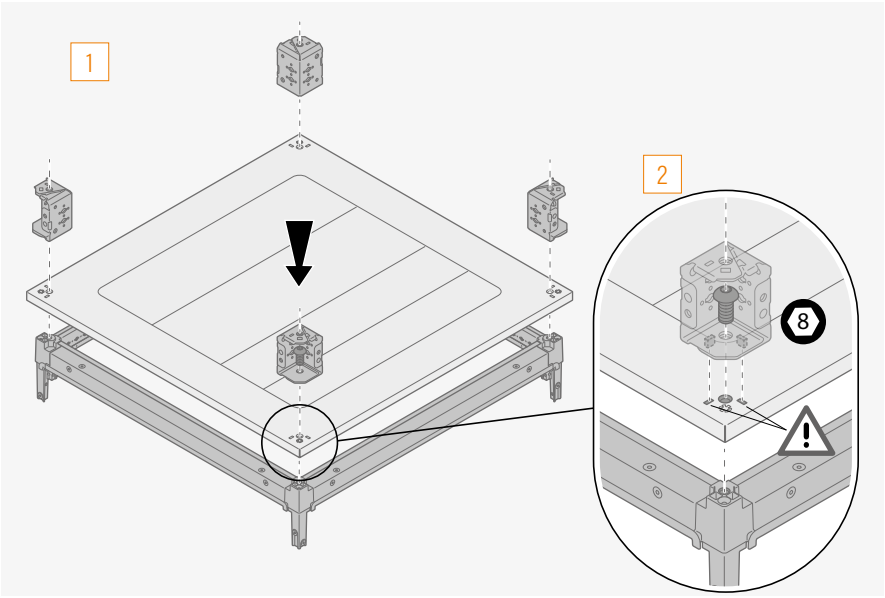
Base assembly (with plinth)

Plinths consist of 4 corner pieces Cat.No 3ZFRC and front or side plinth panels (supplied in pairs)
Cat.Nos 3ZFRC040/3ZFRC050/3ZFRC060/3ZFRC080/3ZFRC100/3ZFRC120/3ZFRC160

The corner pieces must be fixed during the first assembly steps; the plinth panels can be fixed later

► plinth assembly in case of coupling p. 16

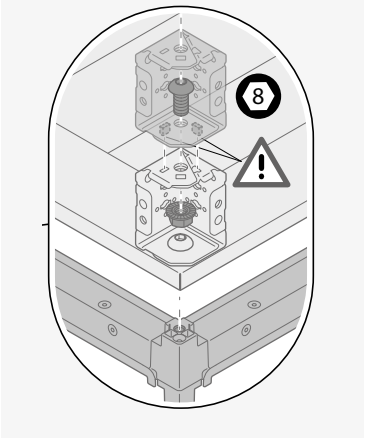
It is recommended to install the plinth panels on-site if the enclosure needs to be moved.



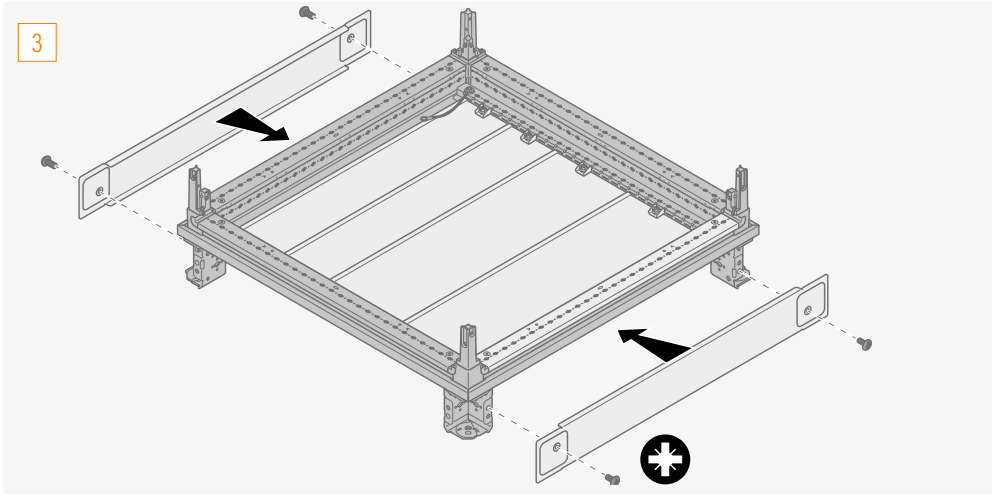
1. Position the base on the outside of the frame.
2. Fix the corner pieces with the 4 hex screws supplied with the base in the circular recess.

Bases with a width or depth of 1200 mm, 1400 mm, or 1600 mm(1) require the insertion of 2 screws (4 screws for Cat.No 3TBP140120); **see p. 9.**
(1): 1600 mm width dedicated to automation enclosures

BASE ASSEMBLY FOR A HEIGHT OF 200 MM

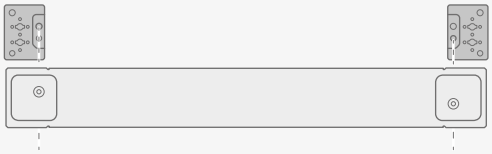


In this case, use a corner piece connection kit Cat.No 3ZFRD to stack 2 x 100 mm plinths.



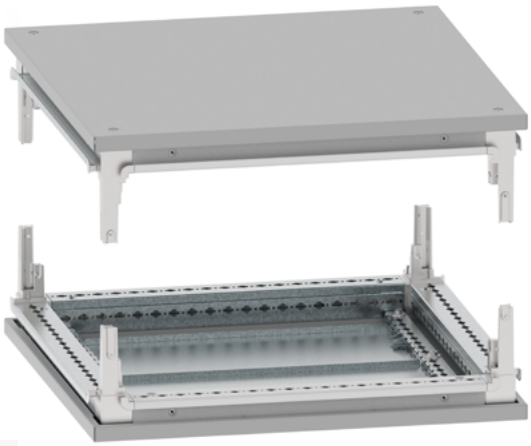
3. Turn the base/frame and corner piece assembly over and install the plinth panels on the sides using the screws supplied with the plinth panels.

Information: screw location

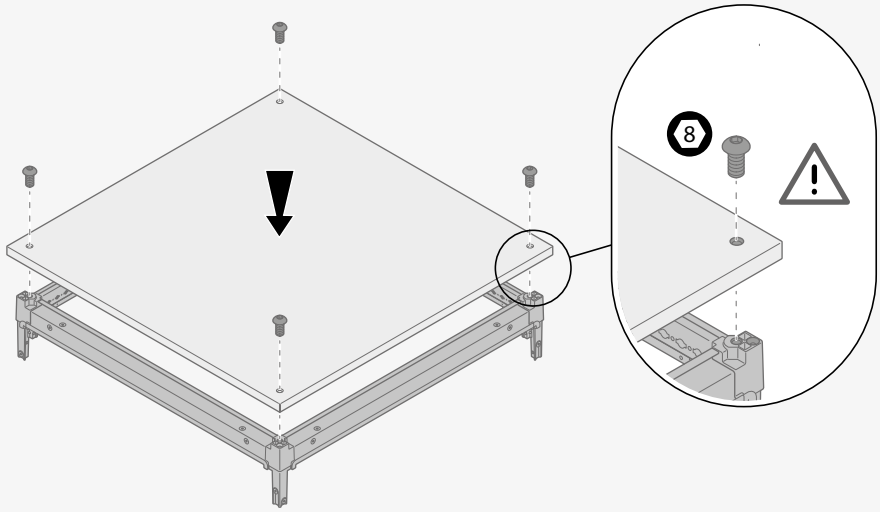


Roof assembly

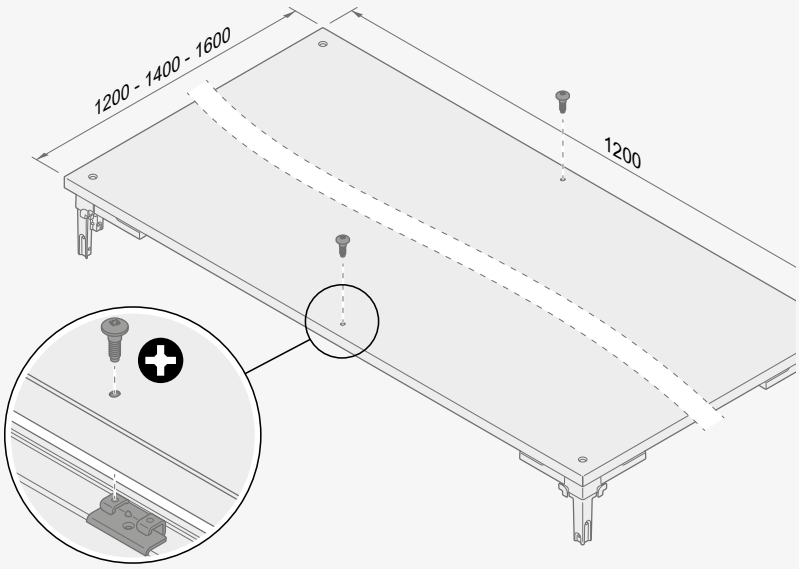
The roof-base assembly is supplied with the necessary screws for all dimensions.
The roof consists of a frame and a solid plate and is equipped with an earth connection.



1



1. Fix the base to the outside of the frame with the 4 supplied hex screws.

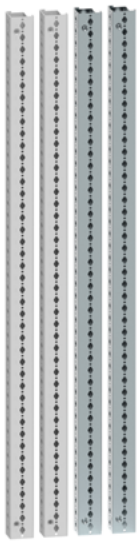


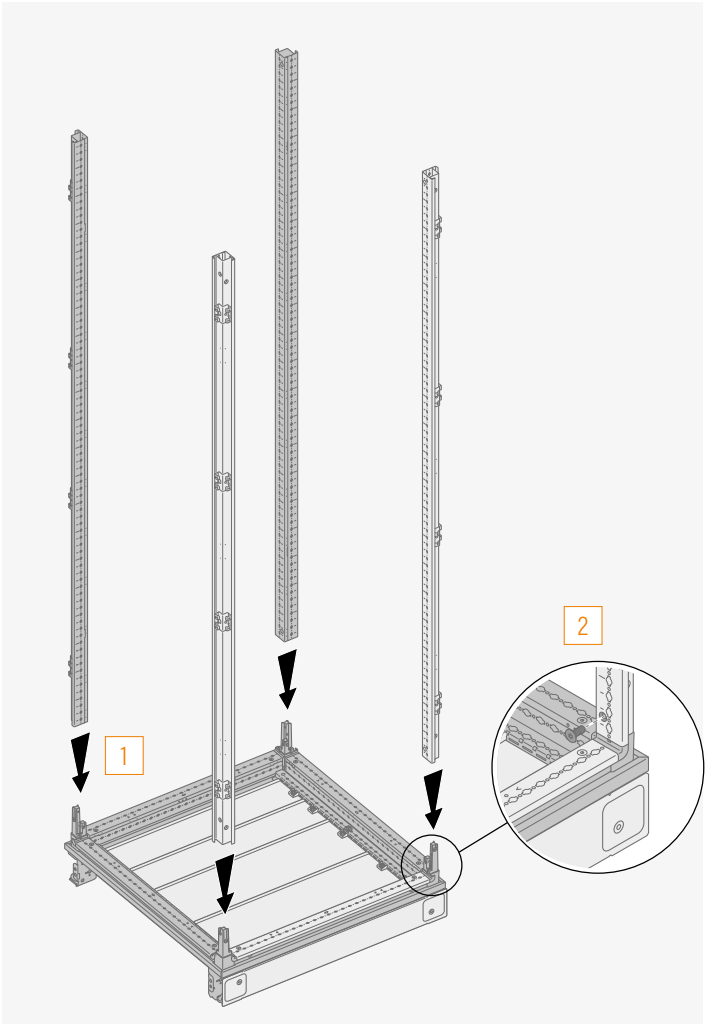
Roofs with a width or depth of 1200 mm, 1400 mm, or 1600 mm(1) require the insertion of 2 screws (4 screws for Cat.No 3TBP140120)
see p. 9
(1): 1600 mm width dedicated to automation cabinets

MOUNTING OF ENCLOSURES

Structural uprights assembly

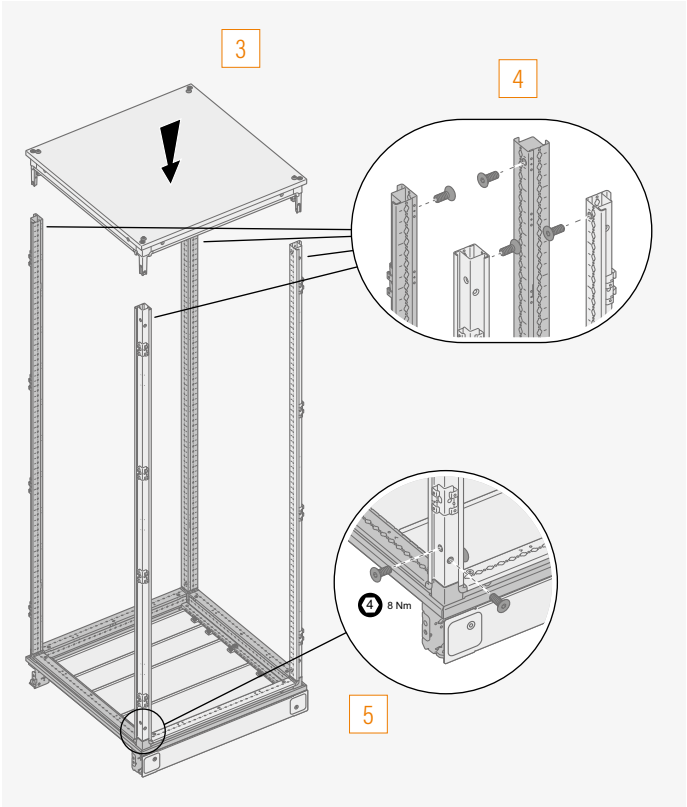
The uprights are supplied in sets of 4:
- 2 grey RAL 7035 uprights
- 2 galvanized steel uprights





⚠ Caution: strictly follow the assembly instructions for the enclosure's aesthetics: the 2 RAL 7035 uprights must be positioned at the front of the assembly.

1. Insert the structural uprights into the corners of the base frame.
2. Screw the internal part of the uprights onto the bottom of the structure.
3. Insert the corners of the roof frame onto the uprights.
4. Screw the internal part of the uprights onto the top of the structure.
5. Finalize the fixing of the structure with 2 screws to be fixed on the external part of the uprights (at the top and bottom). Check the tightening torque of the screws inside the uprights (8 Nm).



i

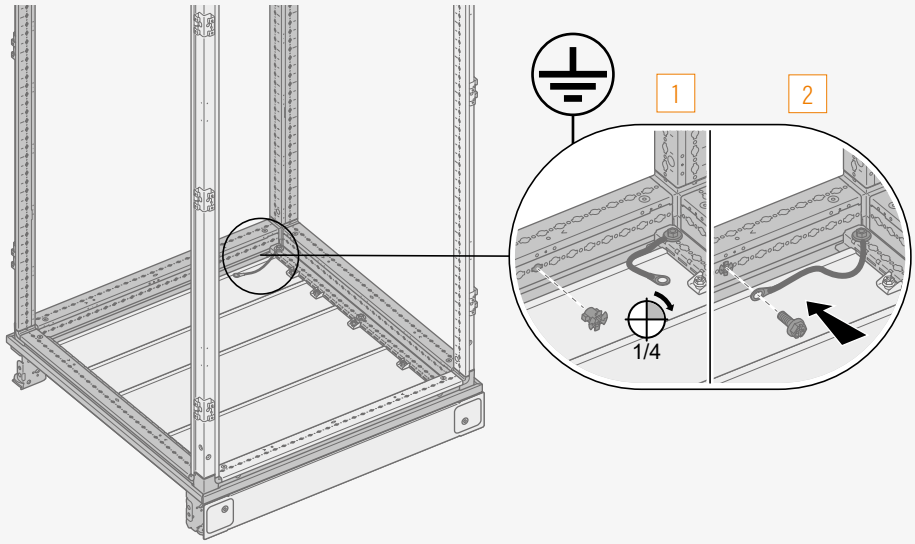
Once assembled, the enclosure can be equipped with lifting rings Cat.No 3KLIFTA to facilitate handling.



Earthing the structure

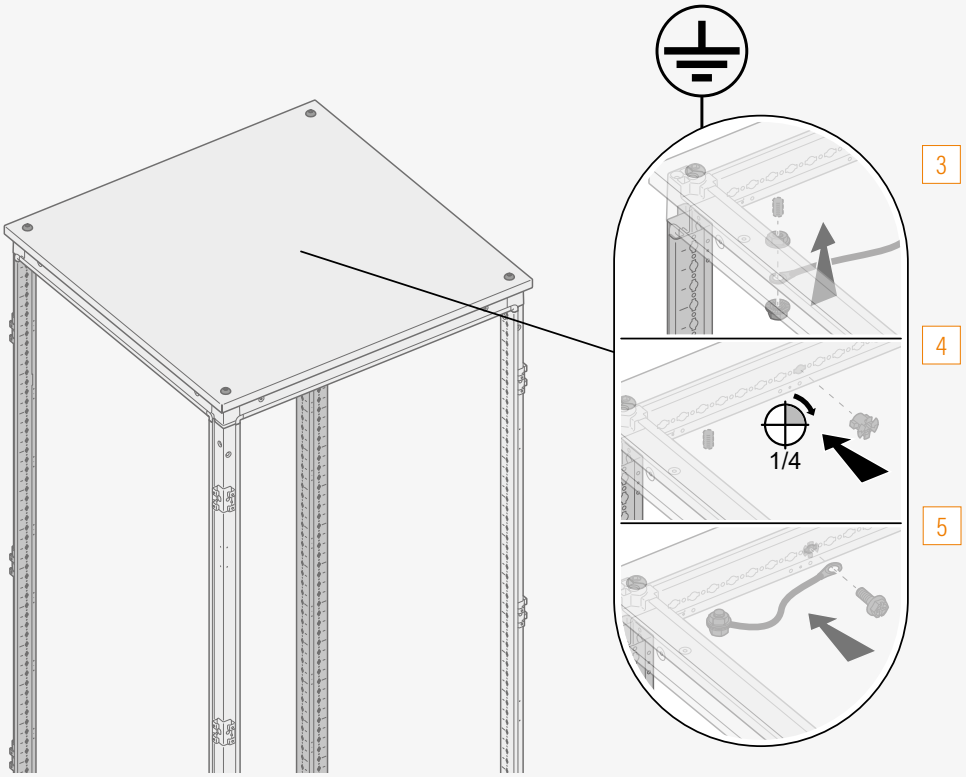
The roof-base assembly is delivered with a pre-mounted earth connection in the lower part and another to be mounted for the upper part.

BASE



1. Insert the cage nut onto the base frame of the structure.
2. Fix the earth connection with the multi-drive screw provided with the roof-base assembly.

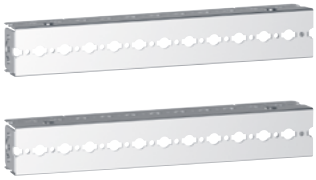
ROOF



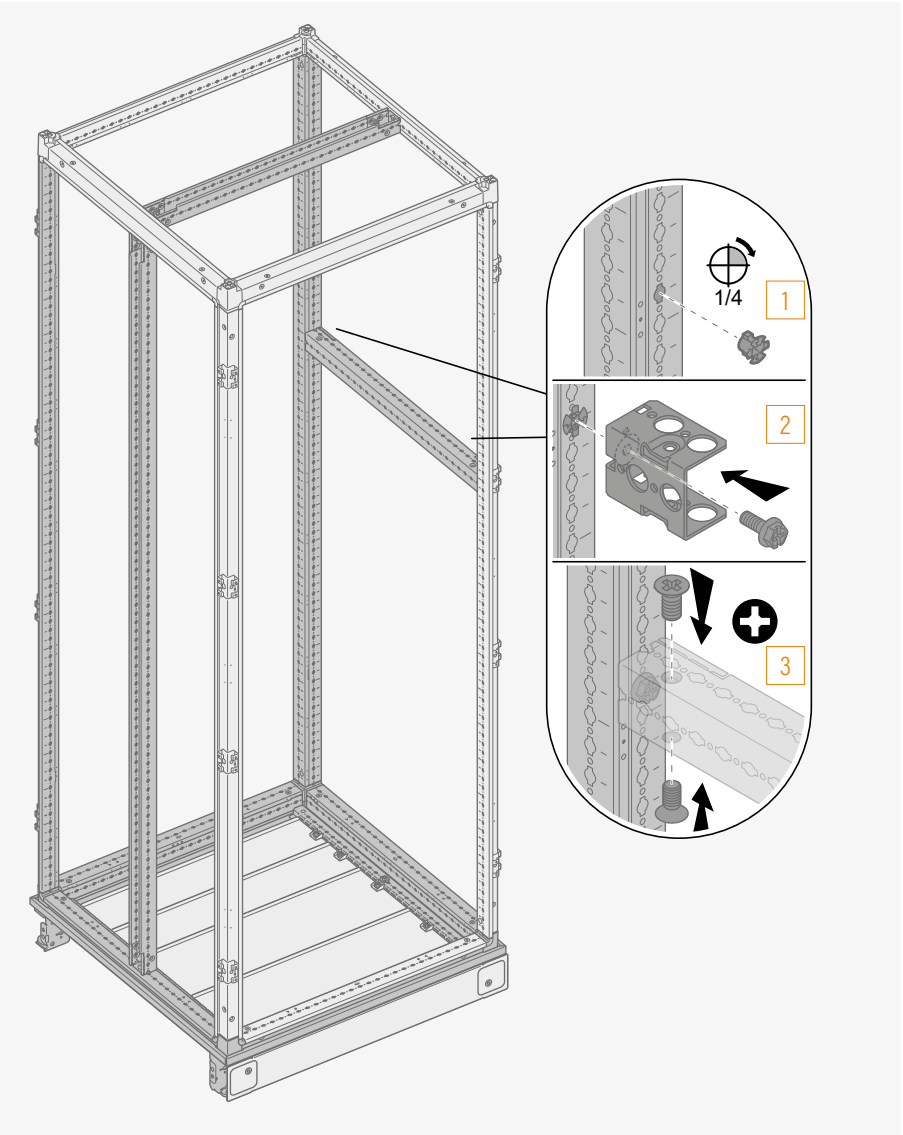
3. Position the provided earth connection on the fixing lug on the roof and screw it on using the nuts provided with the roof-base assembly.
4. Insert the cage nut onto the roof frame of the structure.
5. Fix the earth connection with the multi-drive screw provided with the roof-base assembly.

MOUNTING OF ENCLOSURES

Installation of mounting profiles



These profiles are mounted in a horizontal, vertical, or depth position for creating chassis or attaching insulating support.
They are supplied in packs of 2, with fixing brackets, cage nuts, and screws



1. Insert the cage nut onto the structural upright.
2. Fix the bracket with the multi-head screw.
3. Mount the profile onto the fixing bracket and screw in at the top and bottom with 2 PZ2 screws.

Joining of enclosures

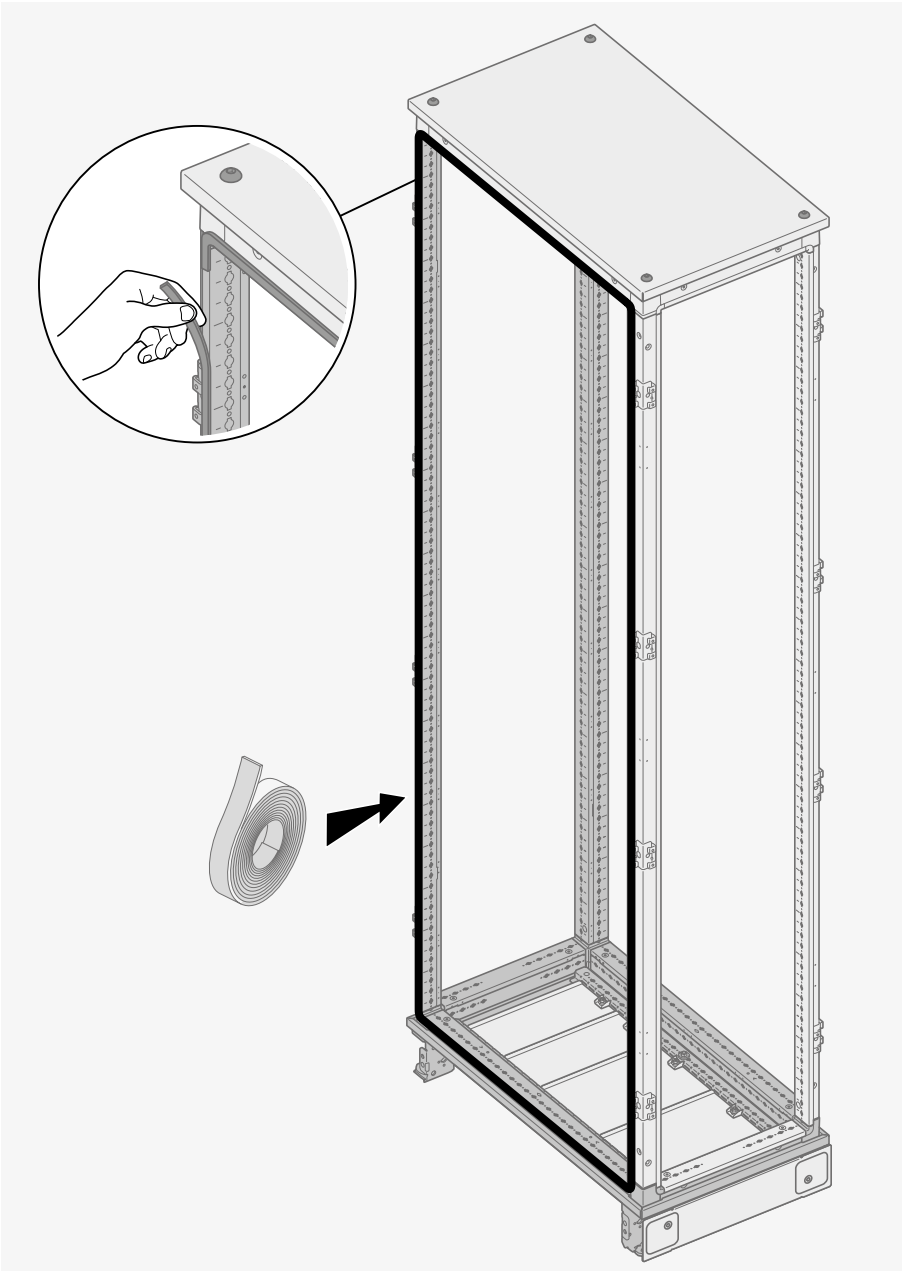
Joining XL³ HP 6300 enclosures allows for all installation configurations with:
- the sealing gasket, Cat.No 3KIP55 (to be ordered separately), consisting of 2 gaskets of 10 m each, to maintain IP 55.
- the joining kit for external fixing Cat.No 3KJLATE,
- the joining kit for internal fixing Cat.No 3KJLATI

Internal coupling: to be performed in the case of workshop coupling (unless the assembly includes partitioning forms)
External coupling: to be performed if - the coupling is carried out on-site,
- the assembly includes partitioning forms,
- cutting a central busbar system is necessary for transport

1 STICK THE GASKET CAT.NO 3KIP55 BETWEEN THE ENCLOSURES (IF IP 55 ENCLOSURES)



1. Position the self-adhesive gasket on 1 side of the 2 enclosures to be coupled.



MOUNTING OF ENCLOSURES

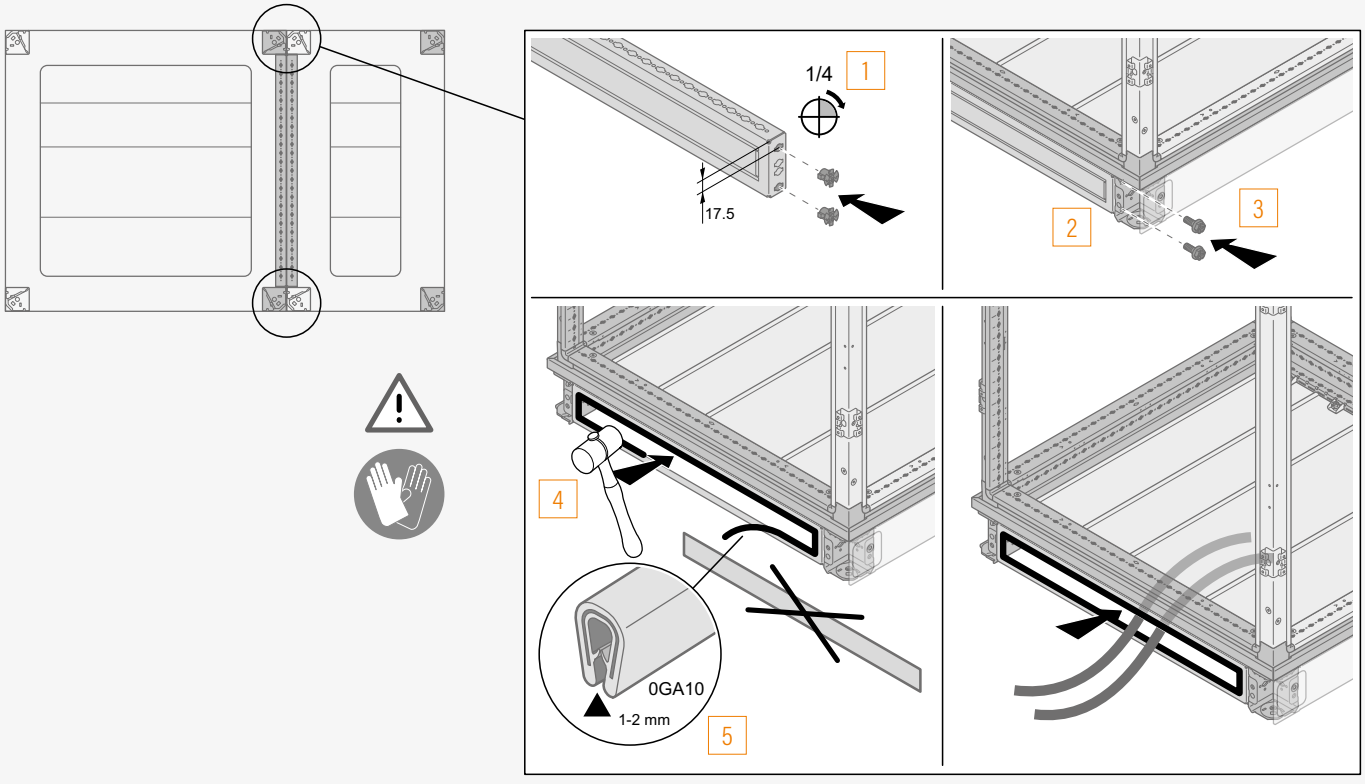
Coupling of enclosures (continued)

2 COUPLING OF ENCLOSURE PLINTHS

After mounting the corner pieces (p. 10), it is possible to add internal plinths to allow cables to pass between 2 coupled enclosures. In order to protect the cable passage, it is advisable to install the gasket Cat.No 0GA10 on the protruding parts of the internal plinths Cat.Nos 3ZLIC040/3ZLIC050/3ZLIC060/3ZLIC080/3ZLIC100

multi-head screw

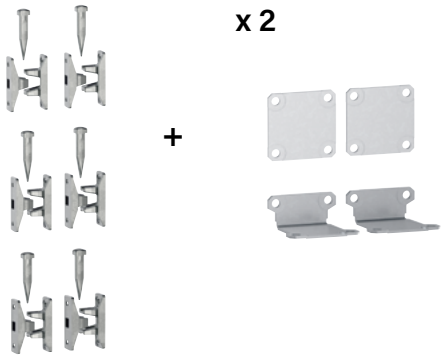




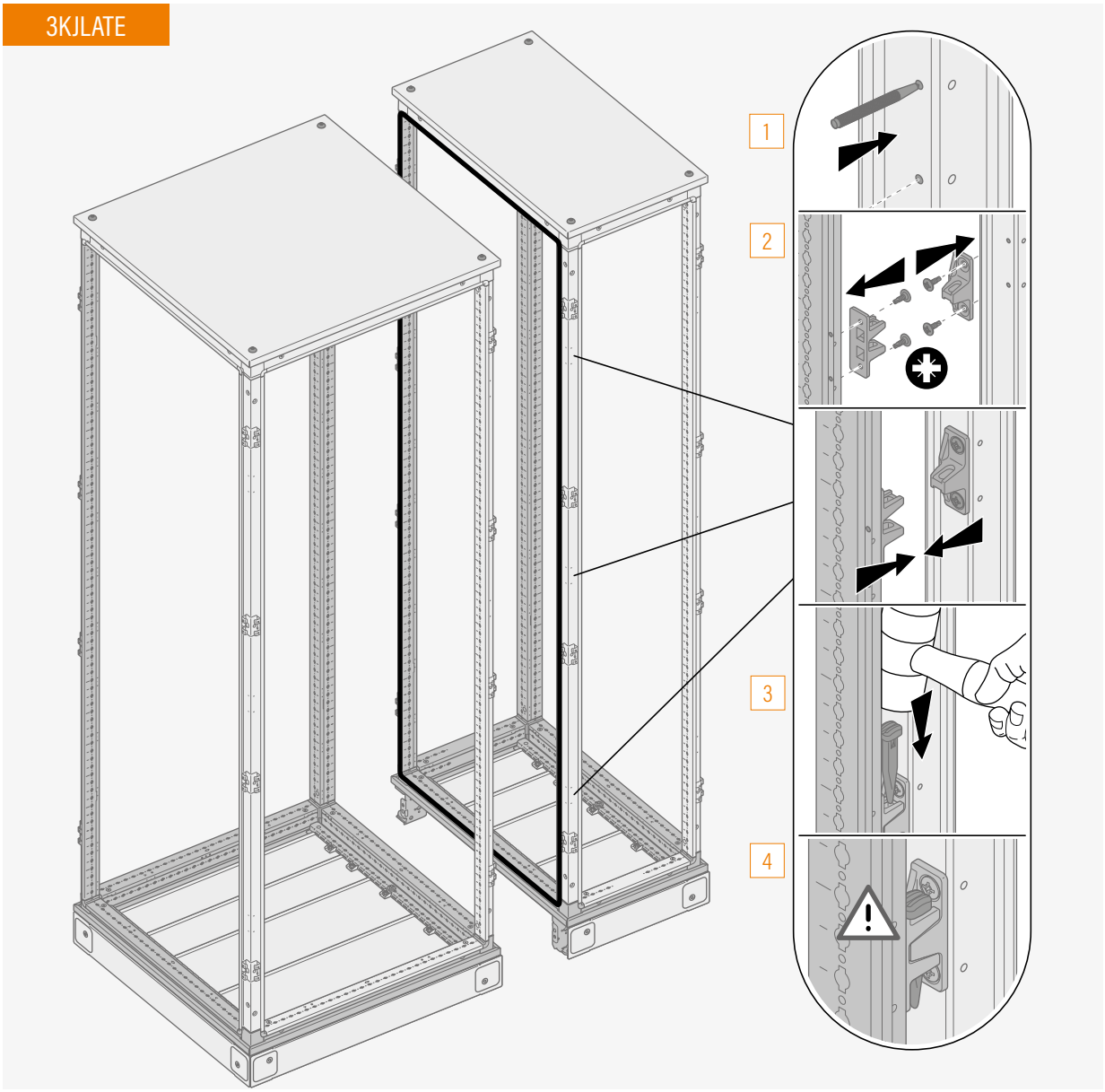
1. Insert 2 cage nuts inside and on each side of the plinth corner pieces.
2. Position the internal plinth between the 2 plinth corner pieces on the side of the enclosure to be coupled
3. Fix the assembly with 2 supplied multi-head screws (on each side of the plinth), passing through the inside of the corner piece.
4. Cut out the inside of the internal plinth using the pre-cuts
5. Position the gasket Cat.No 0GA10 around the opening to protect the cable passage.

3 COUPLING OF STRUCTURES FROM THE OUTSIDE

To ensure maximum rigidity, it is recommended to combine:
- 1 coupling kit for external fixing Cat.No 3KJLATE,
- 2 coupling kits for internal fixing Cat.No 3KJLATI.



3KJLATE



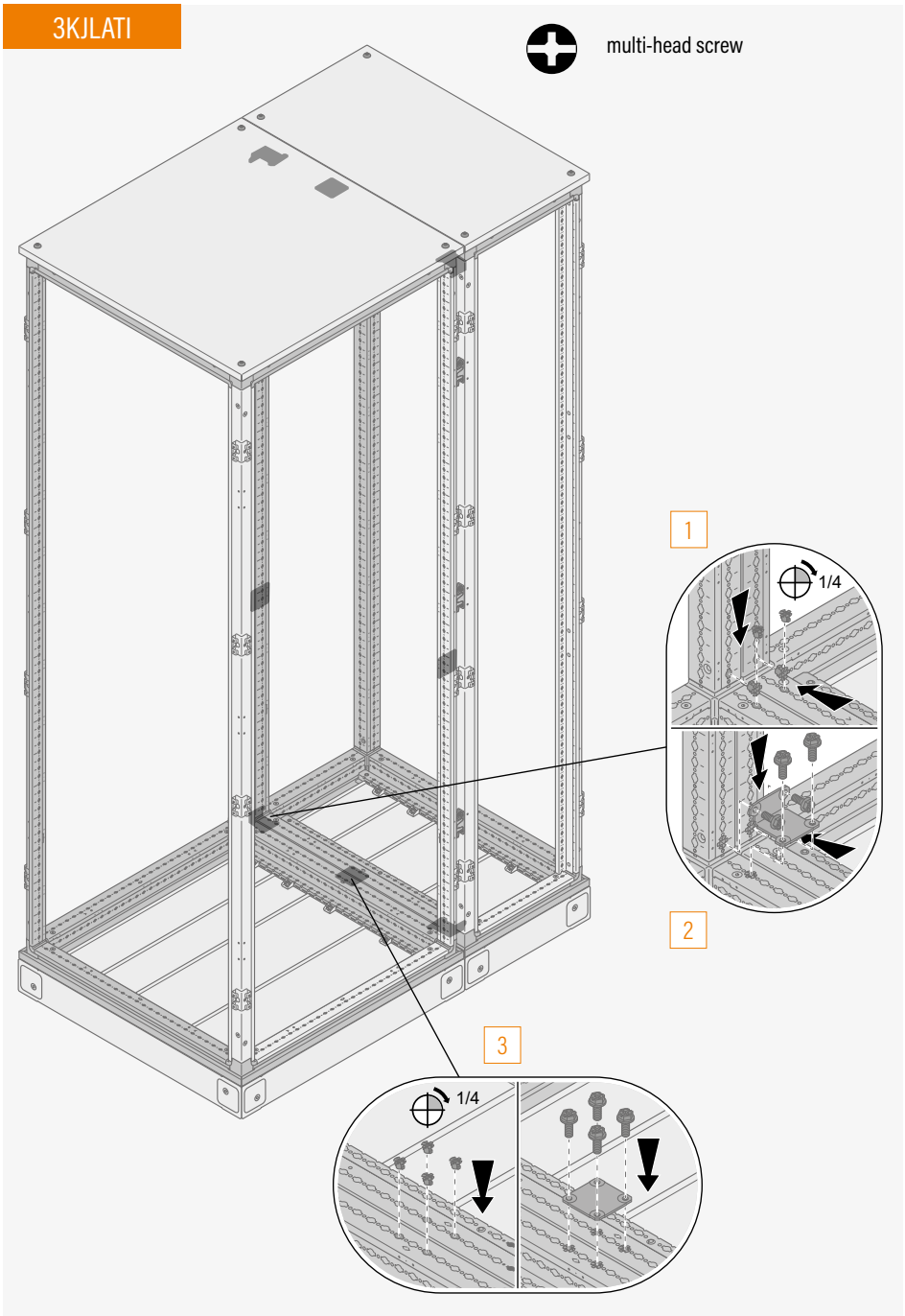
1. On each structural upright, knock out the 2 pre-drilled entries. Repeat this operation 3 times per upright.
2. Screw the 3 fixing supports (male or female) onto each upright to be coupled using the supplied PZ2 screws.
3. Bring the 2 structures together and join them with the supplied coupling pins.
4. Check that the pins are inserted as far as they will go.

MOUNTING OF ENCLOSURES

Coupling of enclosures (continued)

4 COUPLING OF STRUCTURES FROM THE INSIDE

3KJLATI



In case of internal coupling, it is necessary to order 2 kits Cat.No 3KJLATI (consisting of 2 brackets and 2 plates).



1. Insert 4 cage nuts for each corner bracket (in the 1st vertical hole of the structure upright and in the 2nd horizontal hole of the base and roof frame).
2. Fix each corner element with 4 supplied multi-drive screws
3. Insert 4 cage nuts for each plate into the base and roof frame.

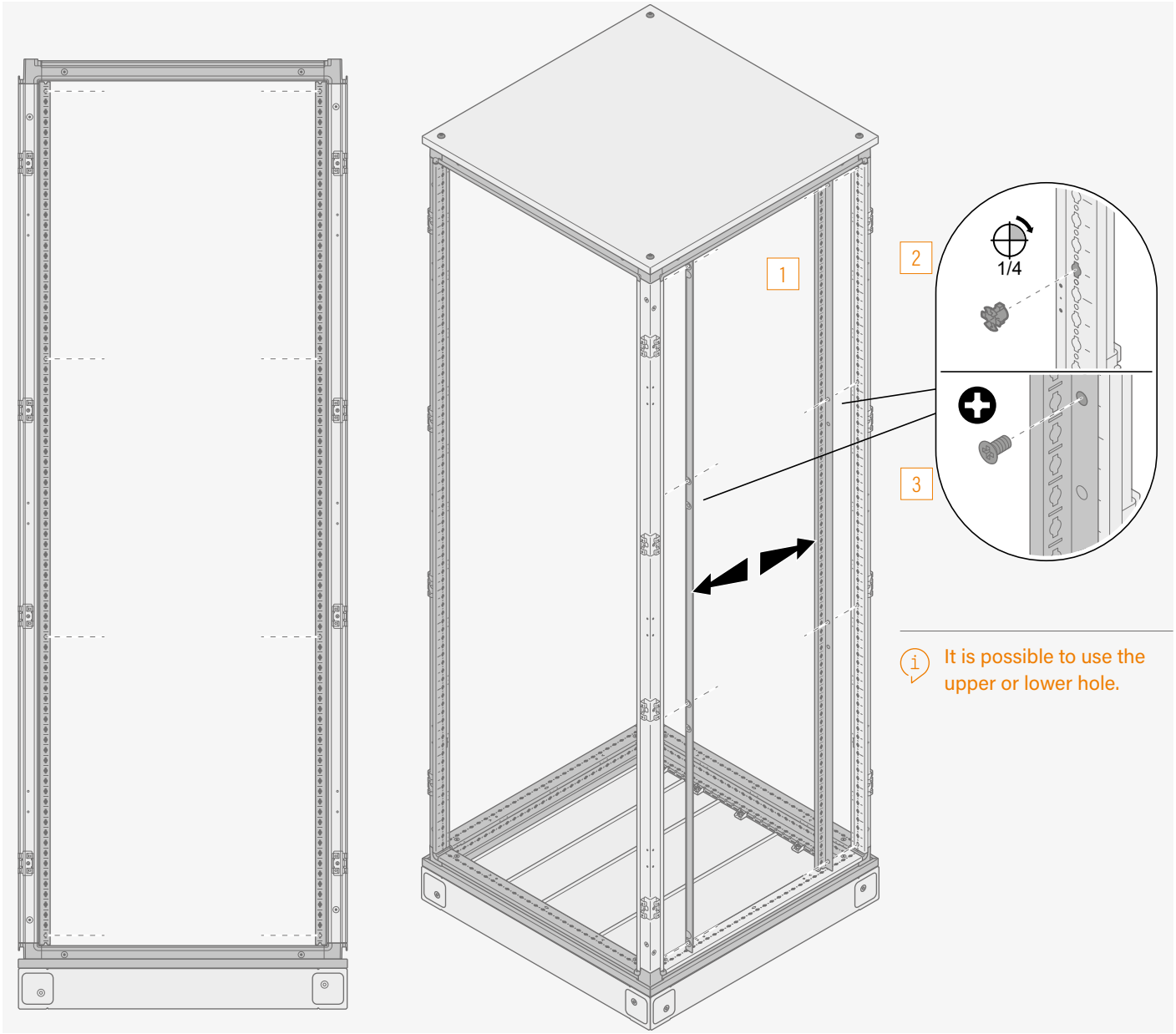
It is recommended to position the plate equidistant from the 2 structural uprights, provided it does not interfere with the mounting of the intermediate upright or the partial chassis

Once coupled, the enclosure can be equipped with lifting angles Cat.No 3KLIFTB to ensure handling.



Mounting the faceplate support uprights

They allow the 1/4 turn faceplates to be fixed and locked and are supplied in packs of 2.
The faceplate support uprights Cat.Nos 3SP180/3SP200/3SP220 are fixed by screws to the structural uprights



It is possible to use the upper or lower hole.

1. Position the faceplate support uprights next to the structural uprights to mark the location of the cage nuts to be positioned
2. Insert the 4 cage nuts into each of the 2 structural uprights.
3. Fix the 2 faceplate support uprights using the 8 supplied PZ2 screws.

MOUNTING OF ENCLOSURES

Panels mounting

The side and rear panels are identical in their aesthetics and for their mounting.
They are fixed by screws to the structure uprights and are supplied with 2 retaining clips for easier mounting



IP 30 panel with high and low ventilation louvres



IP 55 panel equipped with a sealing gasket

The codification of the references allows identifying the size and IP of each product to facilitate their selection:

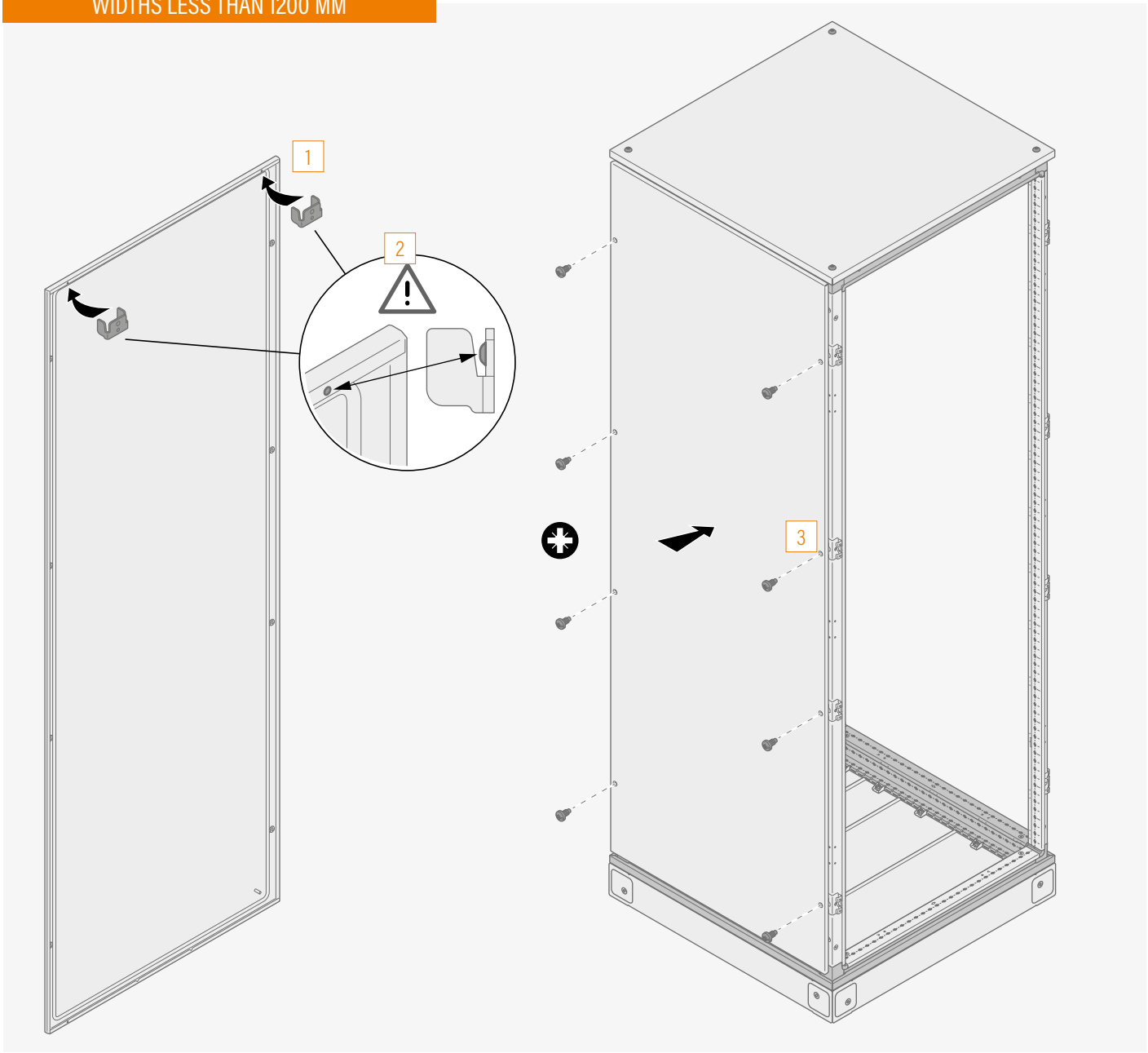
Example:

3PAP07018030
panel
width 700 mm
height 1800 mm
IP30

3PAP10020055
panel
width 1000 mm
height 2000 mm
IP55

Warning: the panel must be earthed, **see p. 27**

WIDTHS LESS THAN 1200 MM



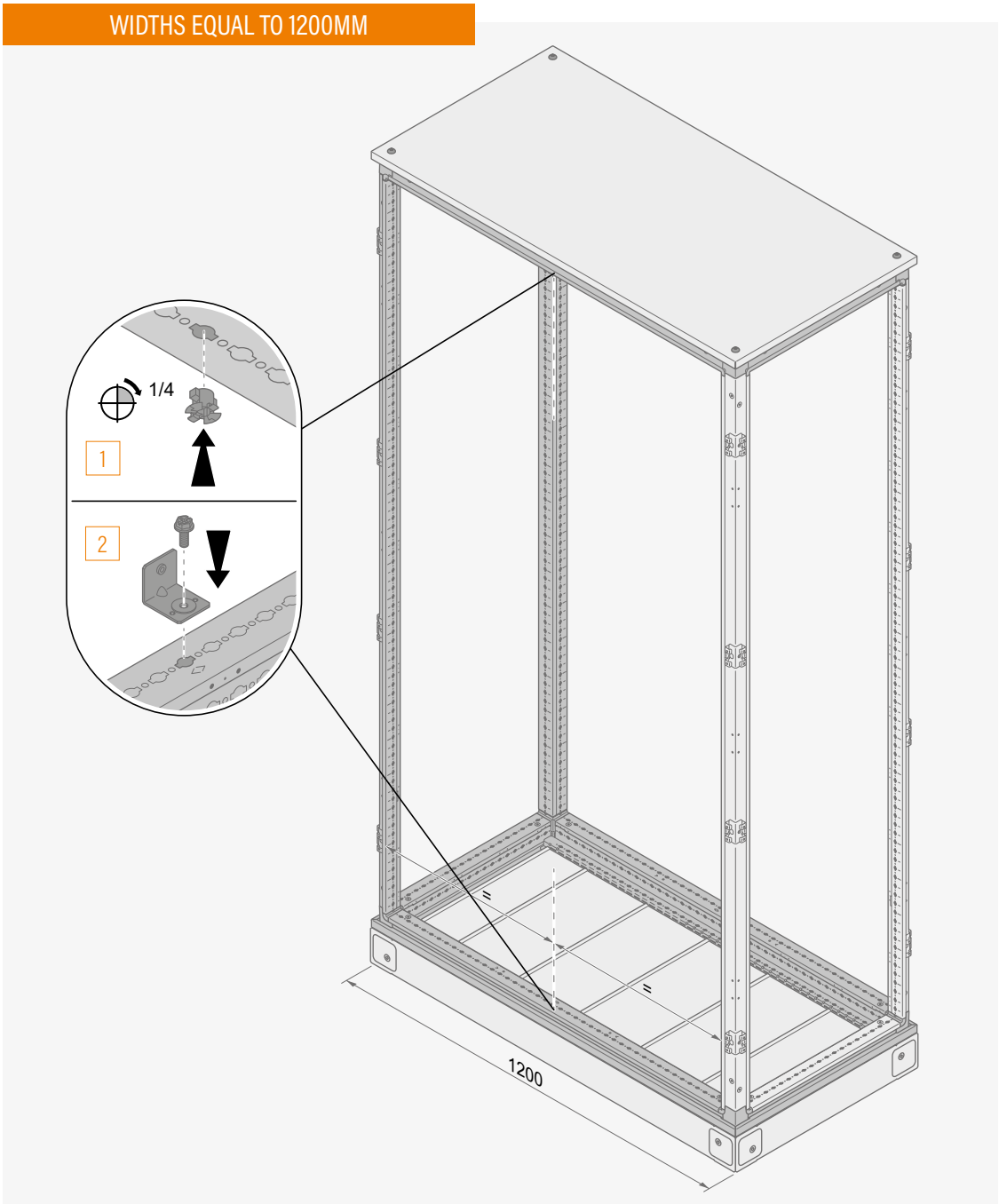
1. Position the 2 retaining clips on the top of the panel in the 2 provided slots.
2. Position the panel on the structure so that the retaining clips fit into the enclosure's top gutter.
3. Fix the panel to the supports pre-mounted on the structural uprights, using the 8 PZ2 screws provided.

It is recommended to pre-tighten the first panel fixing screws "in a cross pattern". This will allow the panel to be stabilized for the pre-fixing of the other screws. Once all screws are installed, it is necessary to finalize the tightening

MOUNTING OF ENCLOSURES

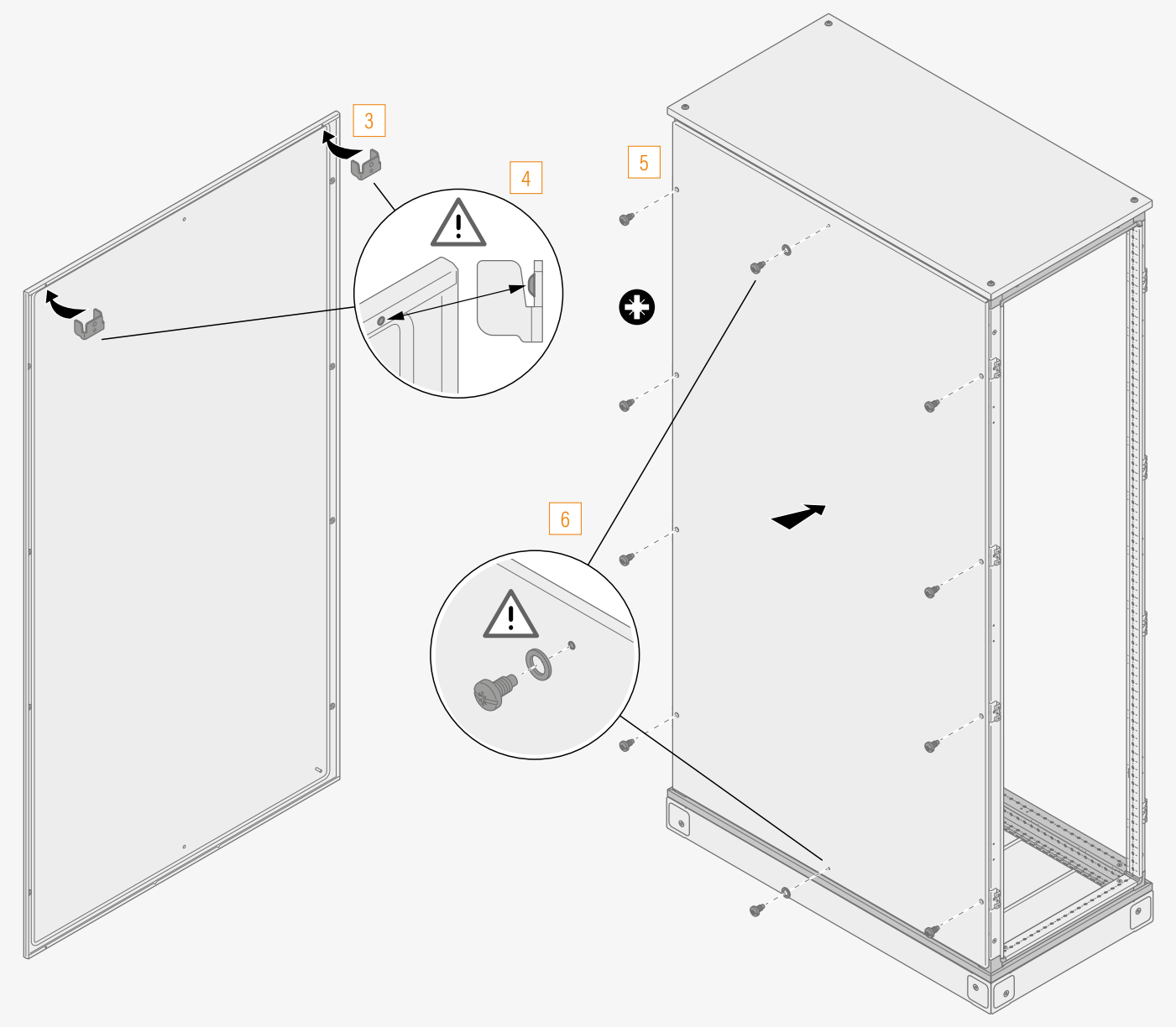
Panel mounting (continued)

WIDTHS EQUAL TO 1200MM



1. Position 1 cage nut in the center of the base frame and the roof frame.
2. Screw the reinforcement support using the supplied multi-drive screw.

Warning: the panel must be earthed, **see p. 27**



3. Position the 2 retaining clips on the top of the panel in the 2 provided slots.
4. Position the panel on the structure so that the retaining clips fit into the enclosure's top gutter.
5. Fix the panel to the supports pre-mounted on the structural uprights, using the 8 PZ2 screws provided.
6. Finalize the fixing of the panel with 2 PZ2 screws to be mounted with the supplied washers in the center of the panel width.

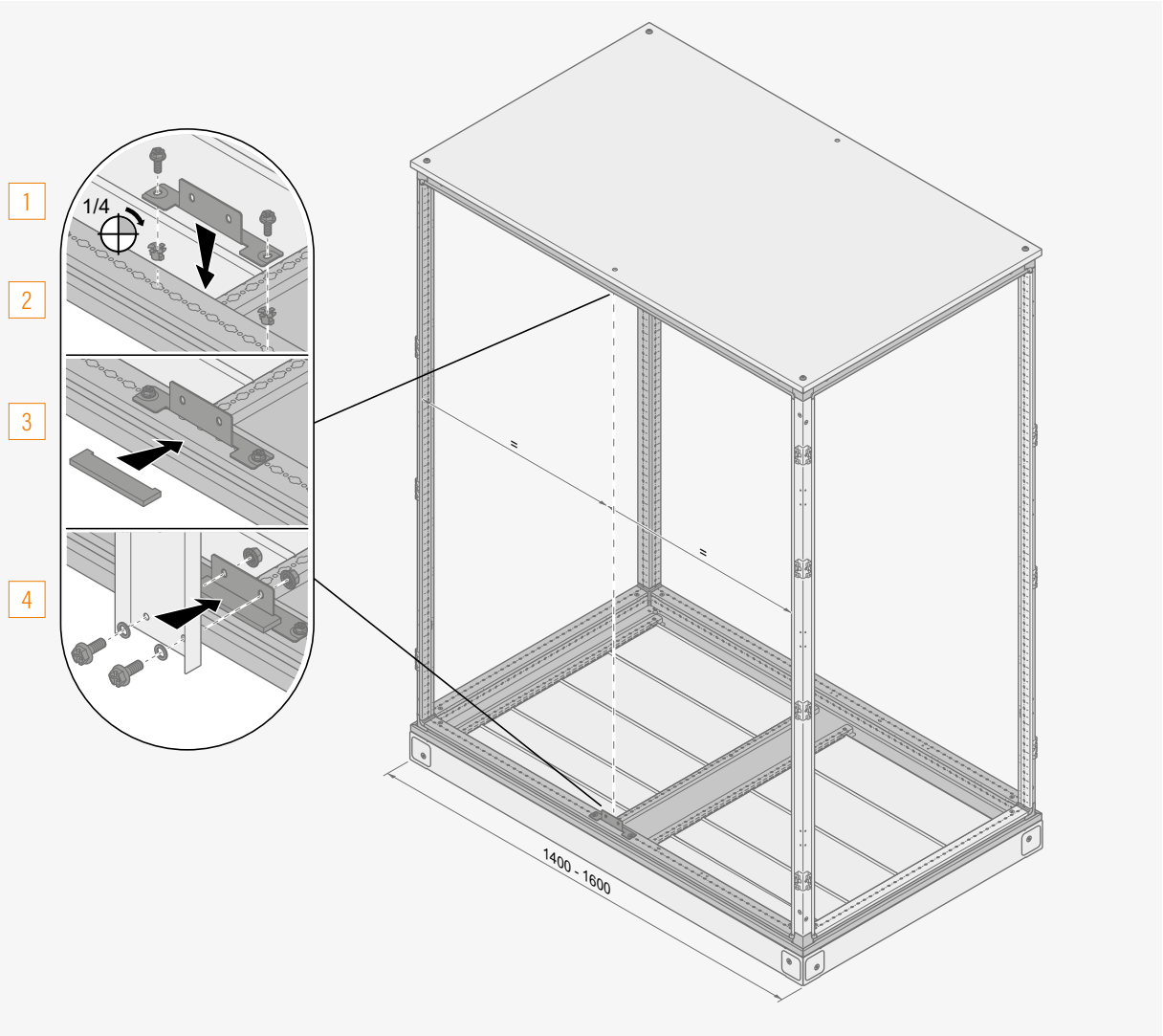
It is recommended to pre-tighten the first panel fixing screws in a "cross" pattern.
This will help stabilize the panel for the pre-fixing of the other screws.
Once all screws are installed, it is necessary to finalize the tightening

MOUNTING OF ENCLOSURES

Panel assembly (continued)

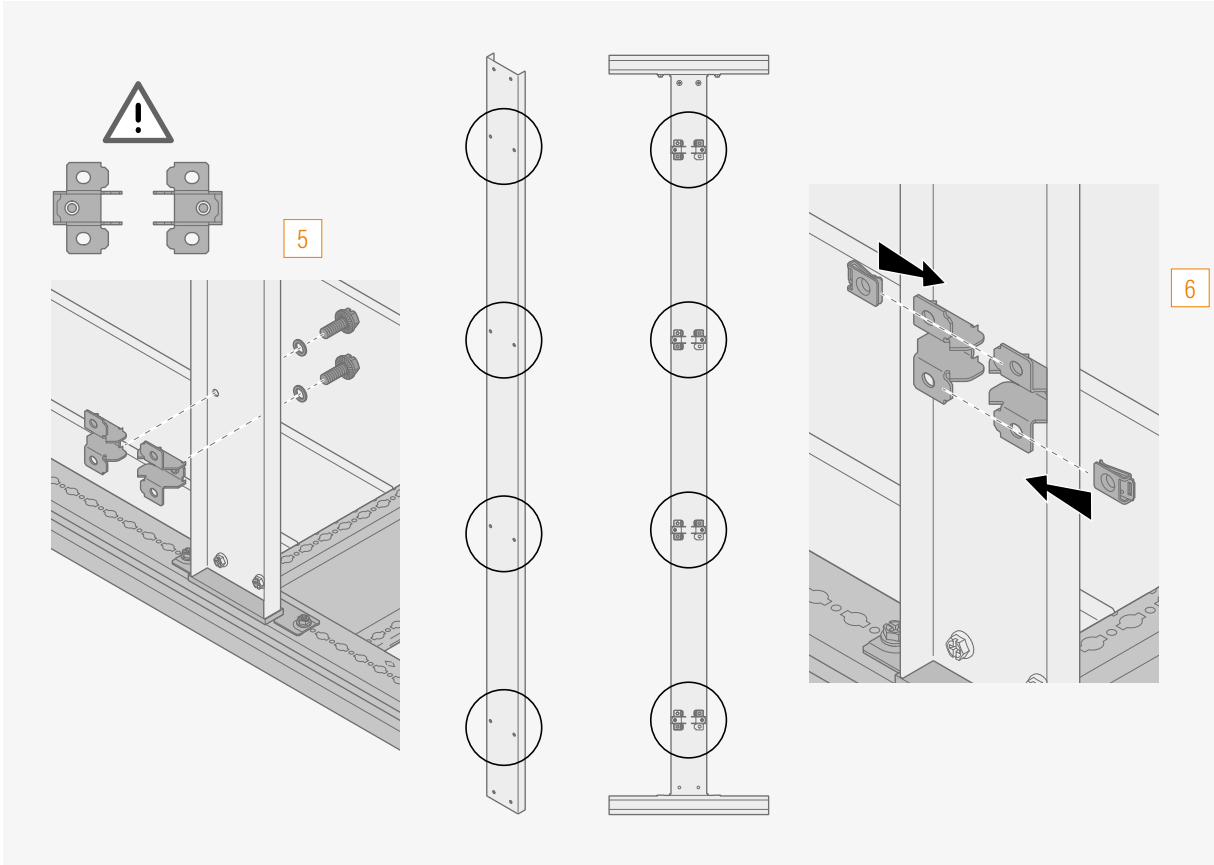
WIDTHS GREATER THAN 1200 MM

The 1400 mm and 1600 mm panels are delivered in 2 parts with a central reinforcement upright.



1. Position 2 cage nuts in the center of the base frame and the roof frame.
2. Screw the central reinforcement support inside the enclosure using the 2 multi-head screws provided.
3. Position the reinforcement supports in the 2 supports (from the outside of the enclosure).
4. Secure the reinforcement upright to the 2 supports with the multi-head screw, washer, and nut provided (on the outside of the enclosure).

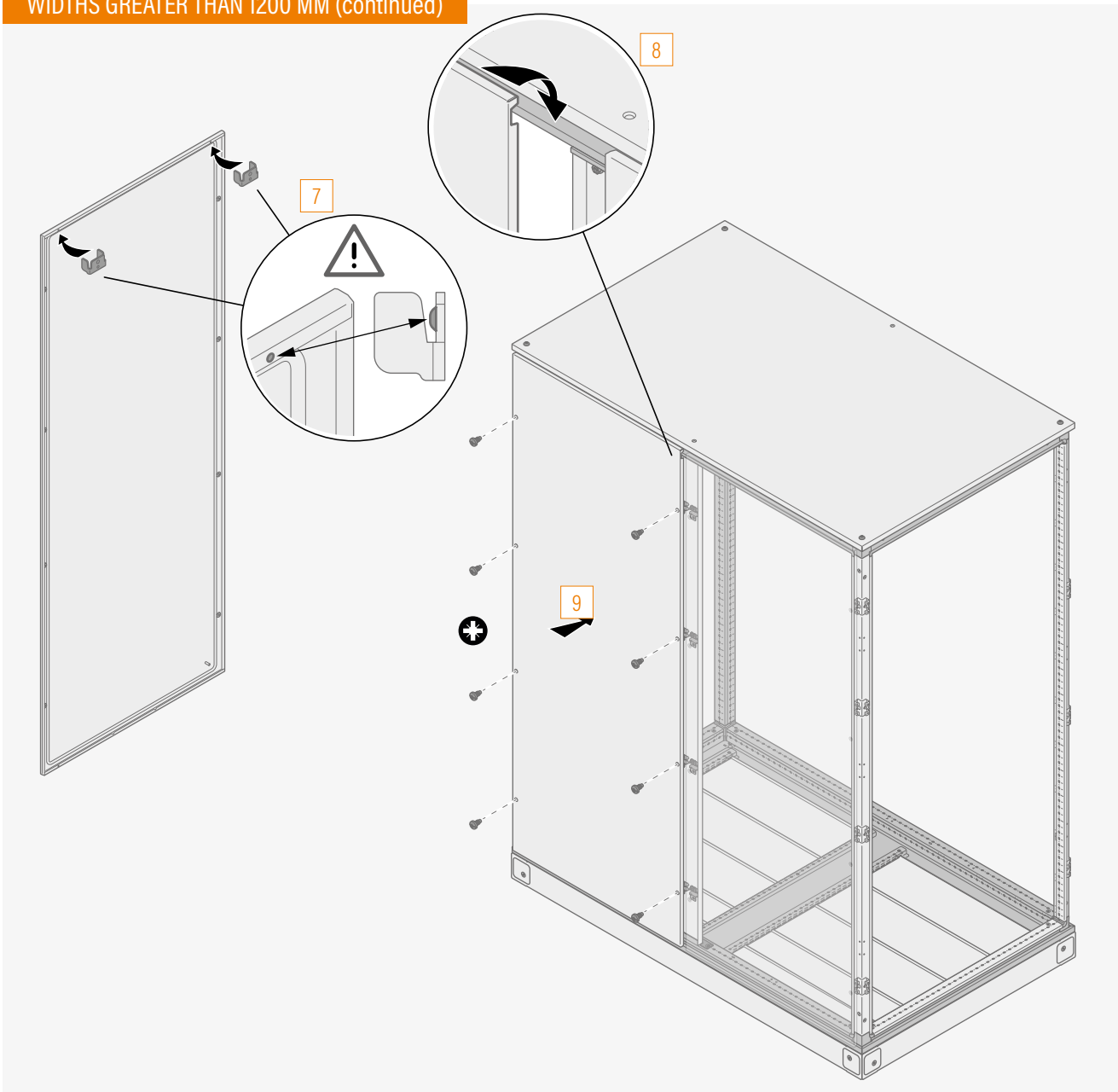
Warning: the panel must be earthed, **see p. 27**



5. Mount the 8 intermediate supports (respecting the mounting direction) on the central reinforcement upright with the multi-head screw and the washer.
6. Insert the cage nuts (in reverse mounting) onto the intermediate supports.

Panel assembly (continued)

WIDTHS GREATER THAN 1200 MM (continued)

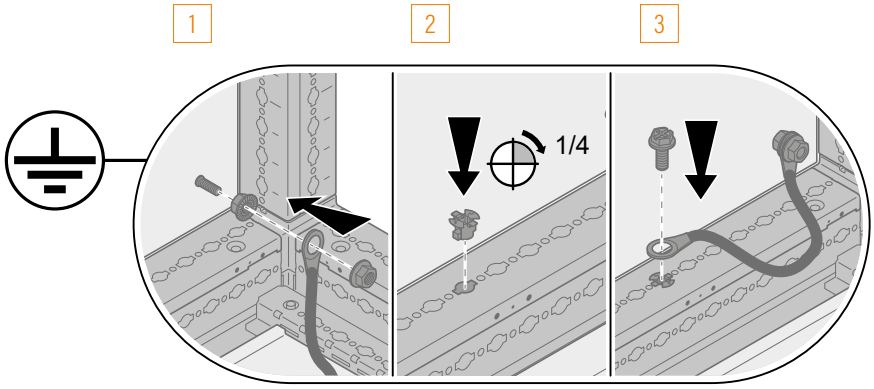


7. Position the 2 retaining clips on the top of a panel in the 2 designated slots.
8. Position the panel on the structure so that the retaining clips fit into the enclosure's top gutter.
9. Fix the panel to the supports pre-mounted on the structural uprights, using the 8 PZ2 screws provided.
10. Repeat these operations to secure the 2nd panel.

It is recommended to pre-tighten the first panel fixing screws in a "cross" pattern.
This will stabilize the panel for the pre-fixing of the other screws.
Once all screws are installed, it is necessary to finalize the tightening

EARTHING THE PANELS

Operation to be performed with the equipotential bonding cable equipped with 2 round lugs Cat.No 0CMR

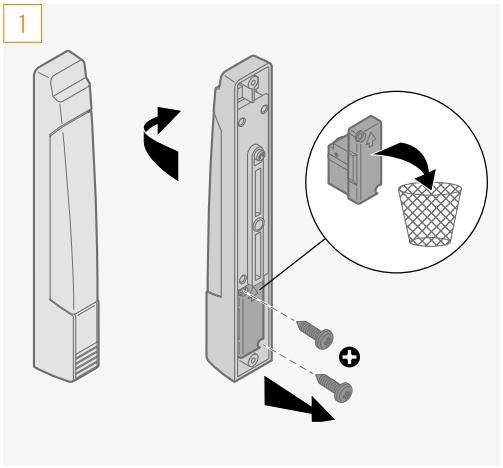


1. Position the earth link Cat.No 0CMR on the fixing lug on the panel and secure it using the nuts provided with the roof-base assembly.
2. Insert the cage nut onto the structure frame.
3. Secure the earth link with the multi-head screw provided with the cable.

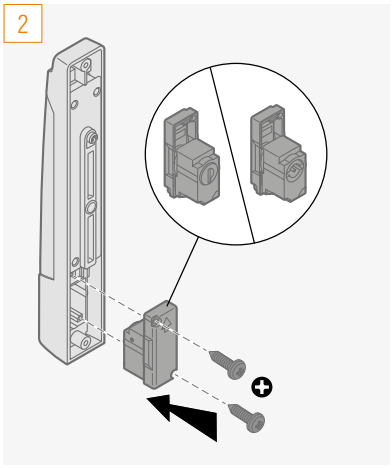
Doors assembly

MOUNTING THE CYLINDER ON THE HANDLE (OPTIONAL)

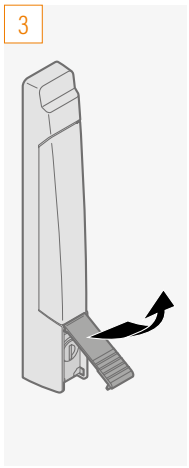
As standard, the handle is equipped with a push-button.
The lever handle is compatible with:
- key cylinders Cat.Nos. 0CLKB405 / 0CLKB421 / 0CLKB455 / 0CLKB1242E / 0CLKB2433A / 0CLKB3113, supplied with 2 keys,
- the double-bar cylinder Cat.No 0CLKBDB, delivered with 1 key.



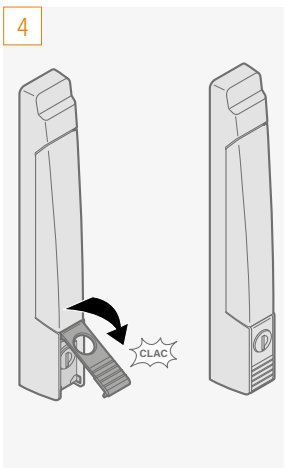
1. Unscrew the blanking plug from the back of the handle.



2. Insert the cylinder in its place.

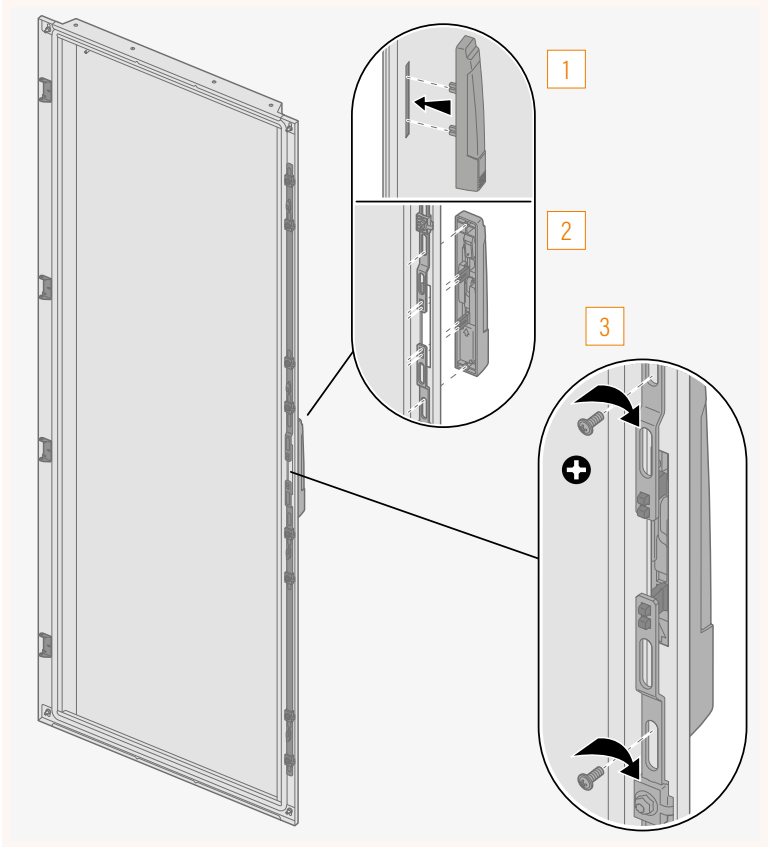


3. Remove the original blanking plug.



4. Position the blanking plug delivered with the cylinder.

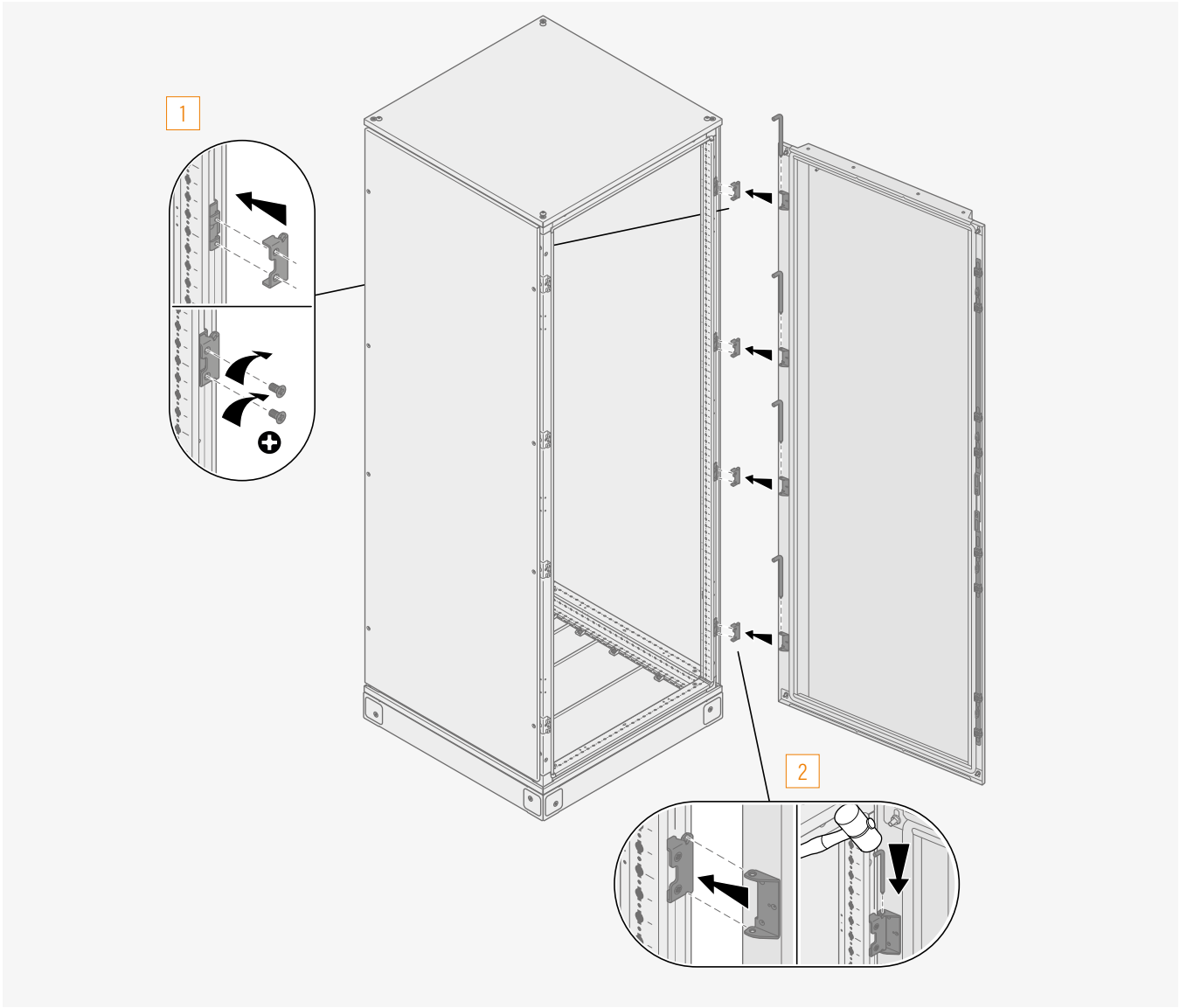
MOUNTING THE HANDLE ON THE DOOR



1. Insert the handle on the outside of the door.
2. Position the 2 notches of the handle on the linkage.
3. Lock the handle with the 2 screws provided on the inside of the door in the 2 pre-drilled holes of the door.

DOOR ASSEMBLY

The doors are reversible and can be installed on the left or right.
The assembly steps are identical regardless of the door type and size (metal or glass).
The doors are supplied with 8 hinges. The door opening direction determines the side on which the hinges are mounted.

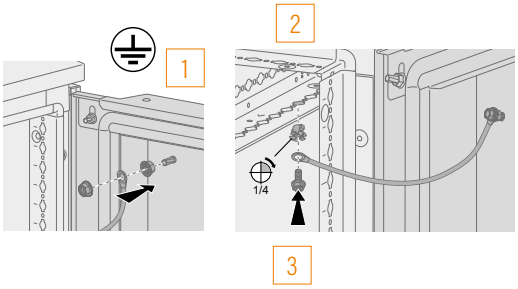


1. Fix the 4 hinges to the locations provided on the enclosure uprights, using the screws provided.
2. Slide the connecting piece inside the door, align it with the hinges, and lock the assembly with the pin provided.

EARTHING THE DOOR

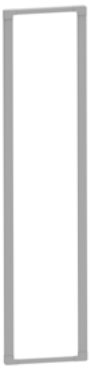
If a measuring device or a Control and Signaling Auxiliary with voltage U > 50 V is mounted on the door, the door must be earthed.

1. Fix the earthing conductor Cat.No 0CMR to the door stud (screw and nut not provided).
2. Position the cage nut Cat.No 0KCEVM6 on the roof-base according to the length of the cord.
3. Fix the earthing conductor Cat.No 0CMR to the cage nut (screw not provided).



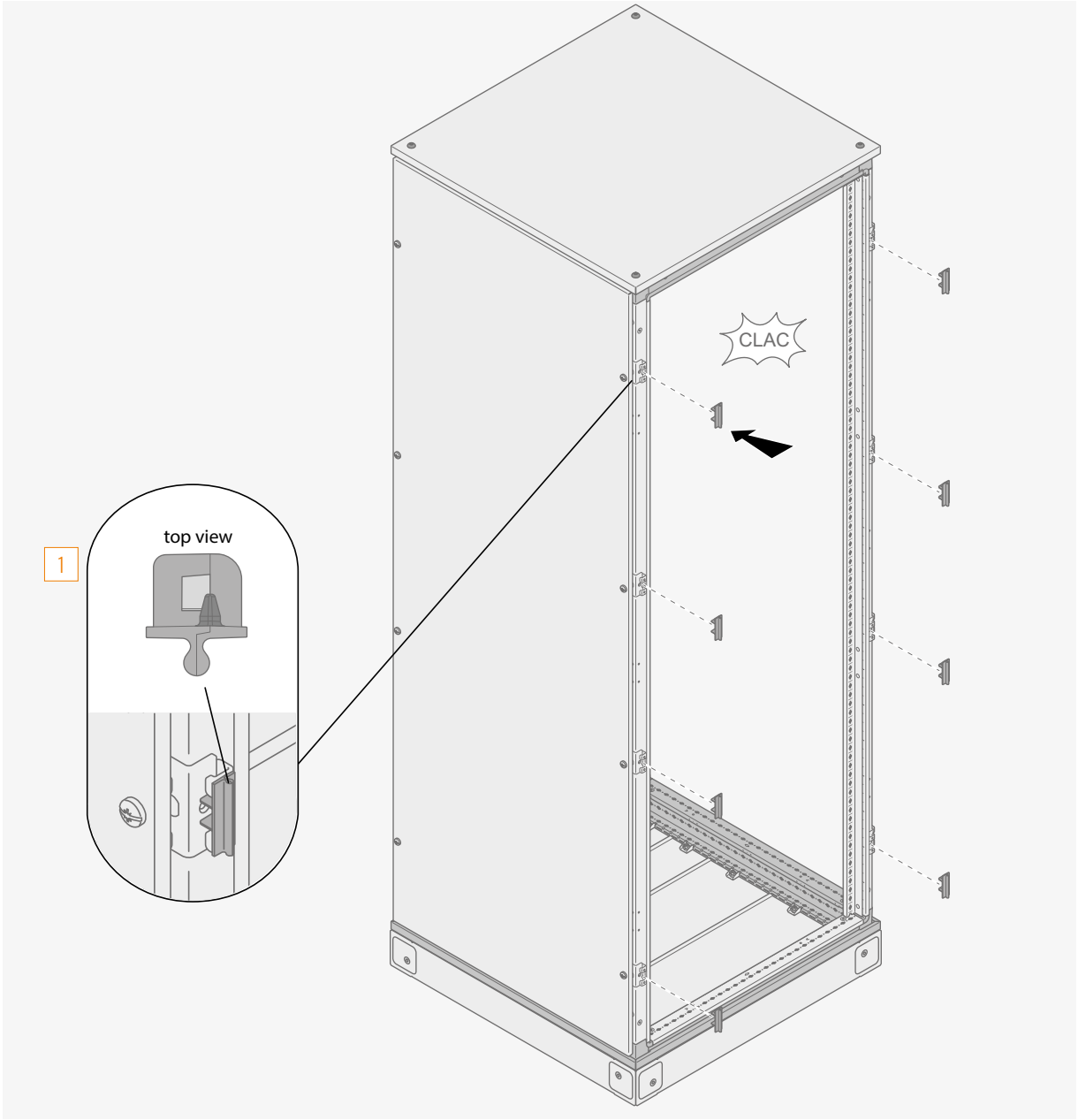
Standard reminder: it is necessary to mark the relevant door with an electrical hazard warning sticker.

MOUNTING OF ENCLOSURES



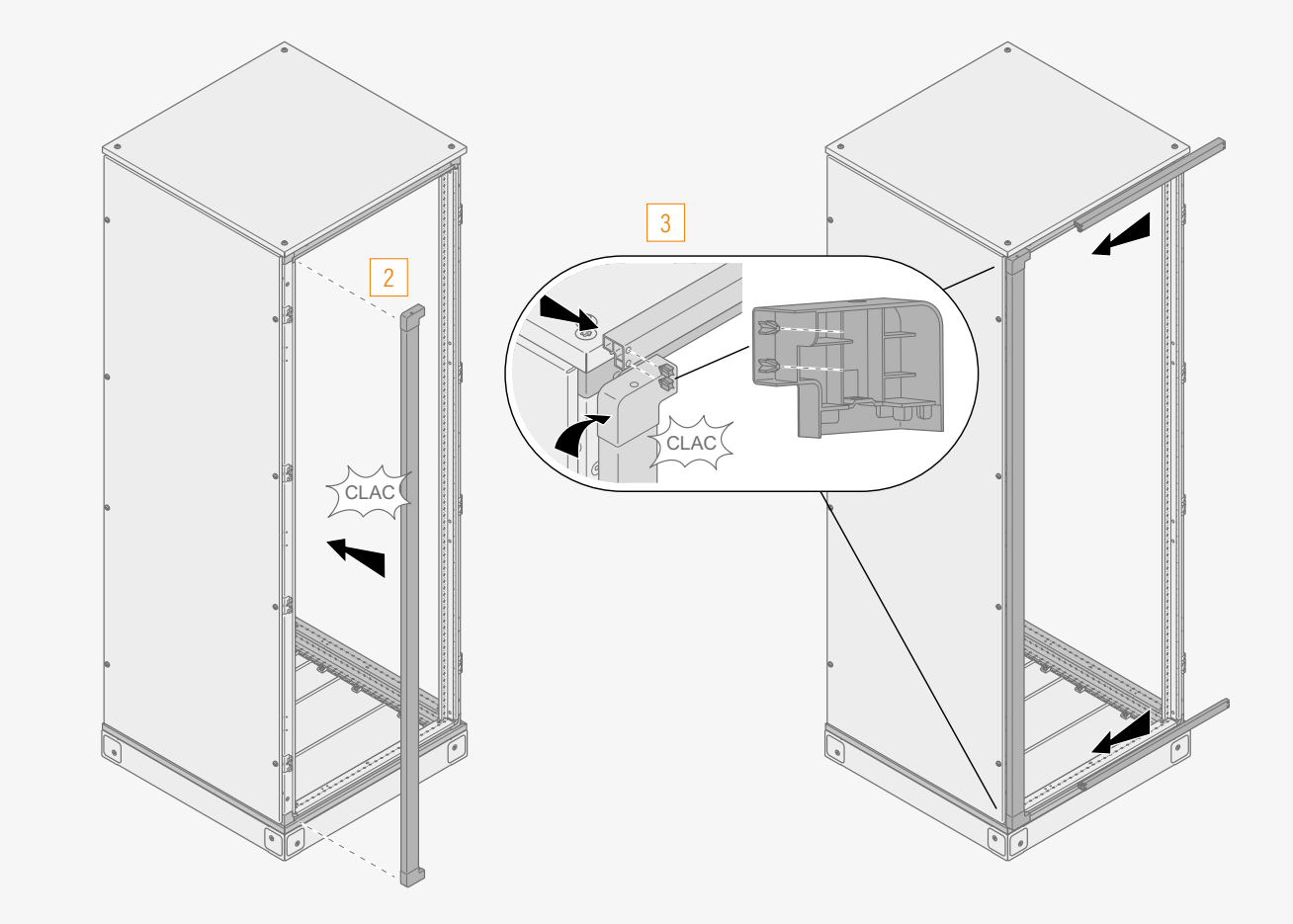
Finishing frame assembly

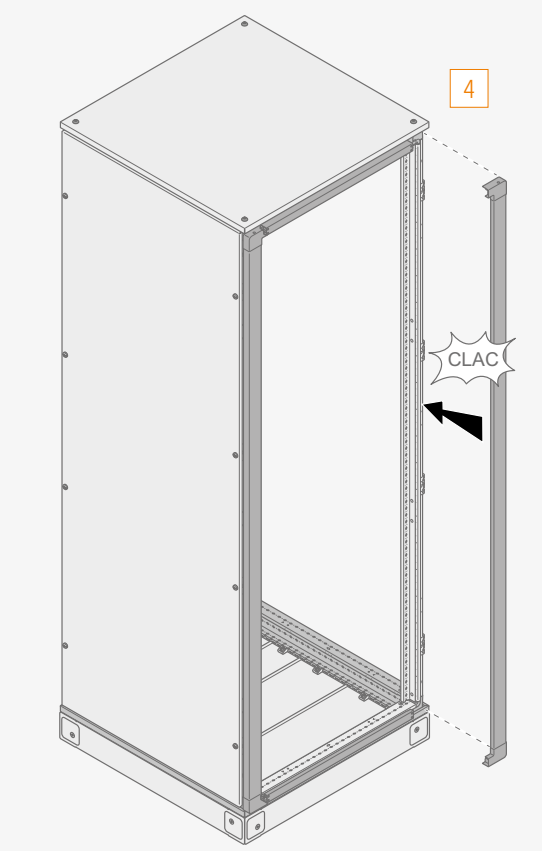
The finishing frame is mounted on the side of the enclosure fitted with faceplates.
It is fixed without tools, by clipping only.



1. Clip the 8 mounting brackets onto the supports pre-installed on the structural uprights.

⚠ Caution: adapt the mounting direction to the right or left side of the enclosure.





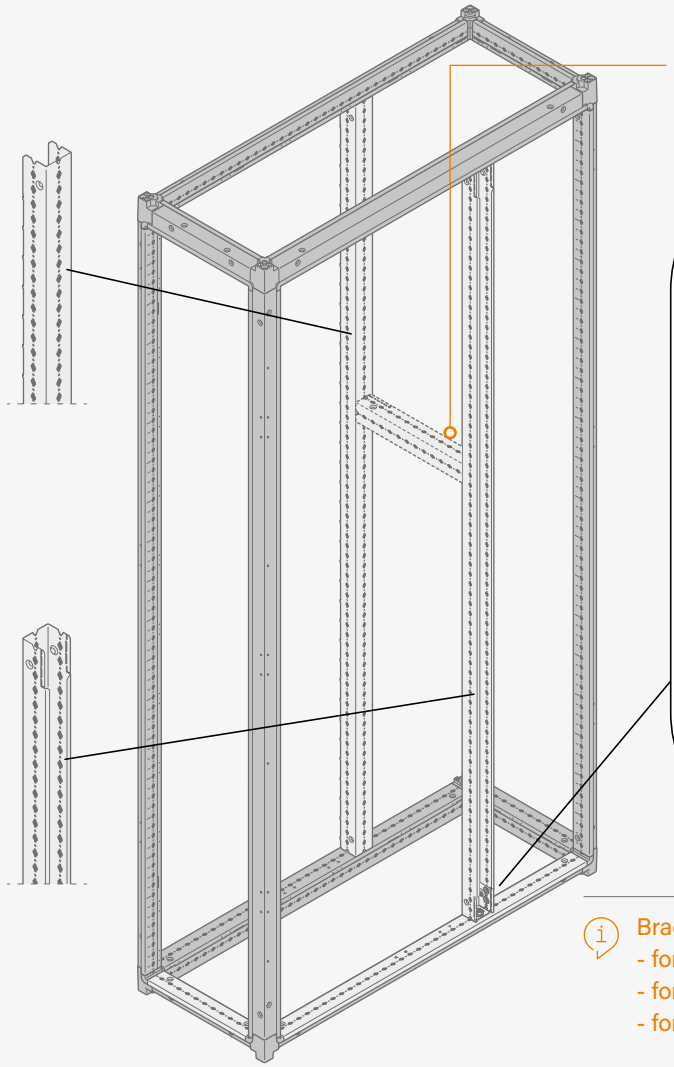
2. Clip 1 vertical element of the finishing frame.
3. Slide the top and bottom horizontal elements into the enclosure gutters.
4. Clip the last vertical element of the finishing frame

Internal cable sleeve

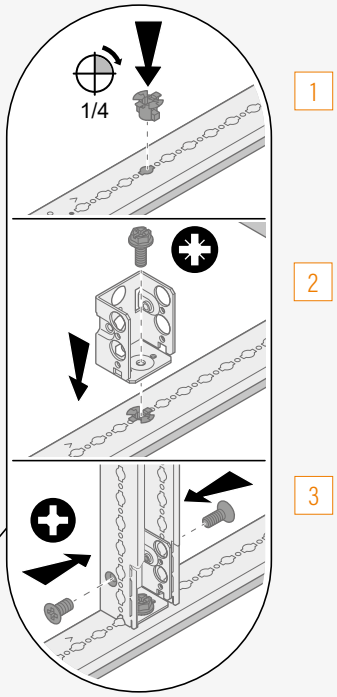
An internal cable sleeve can be created in enclosures with a width of:
- 800 mm, resulting in a distribution enclosure with a width of 600 mm and a cable sleeve with a useful width of 150 mm
- 1000 mm, resulting in a distribution enclosure with a width of 800 mm and a cable sleeve with a useful width of 150 mm
- 1000 mm, resulting in a distribution enclosure with a width of 700 mm and a cable sleeve with a useful width of 250 mm
- 1000 mm, resulting in a distribution enclosure with a width of 600 mm and a cable sleeve with a useful width of 350 mm

It can be positioned on the left or right
These combinations are achieved using kits consisting of 2 functional uprights width 50mm, 2 faceplate supports, and 1 finishing profile.

CREATING AN INTERNAL CABLE SLEEVE OVER THE FULL DEPTH OF THE ENCLOSURE

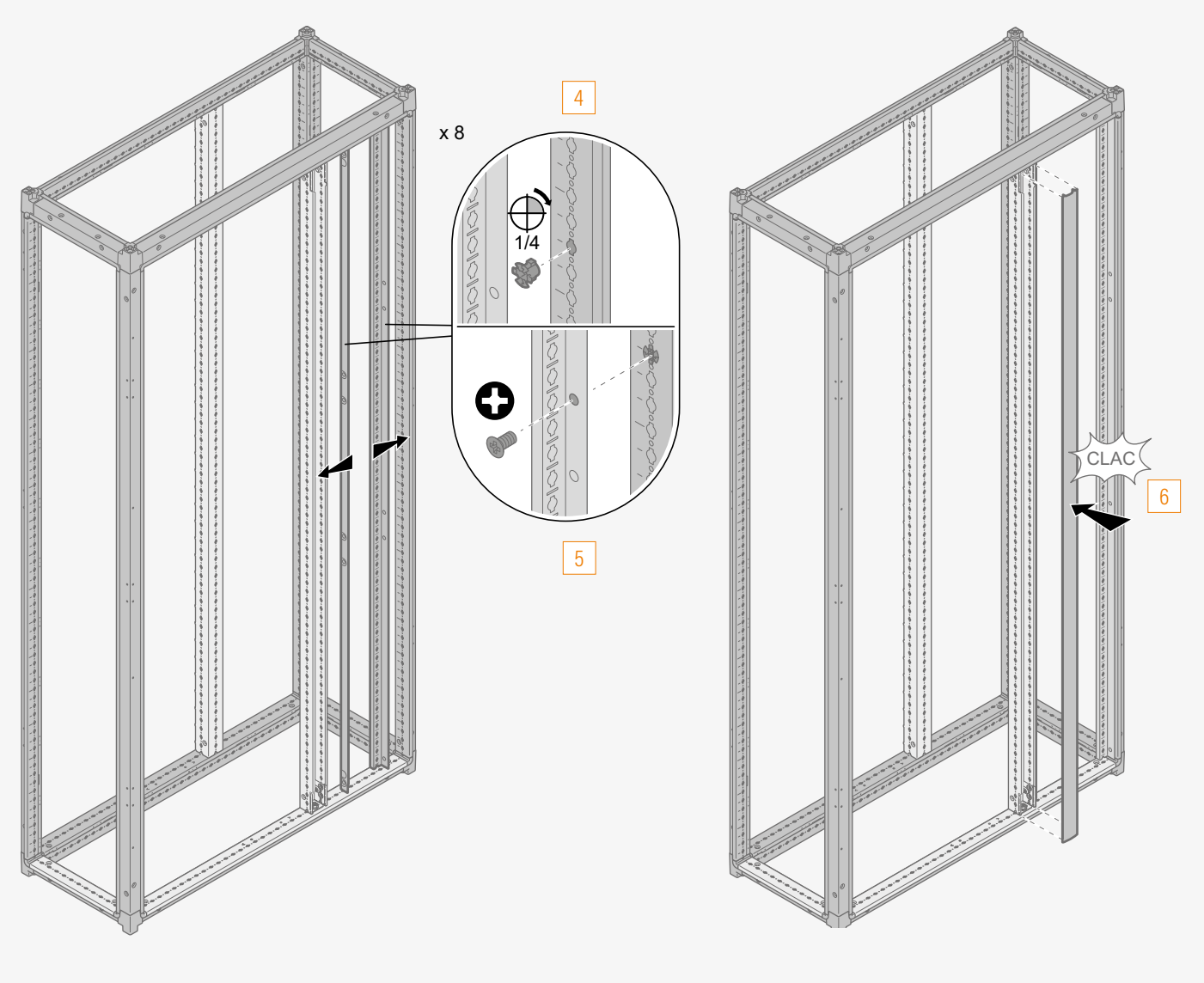


It is advisable to use a mounting profile Cat.No 3PR... (p. 14) to reinforce the rigidity of the internal cable sleeve, installed at mid-height.



Bracket installation distance from the inside corner:
- for a cable sleeve with a usable width of 150 mm: 175 mm
- for a cable sleeve with a usable width of 250 mm: 275 mm
- for a cable sleeve with a usable width of 350 mm: 375 mm

1. Position the cage nuts on the roof-base frame.
2. Screw the fixing brackets using the multi-head screws.
3. Fix the functional uprights (respecting the mounting direction) to the brackets using the 2 PZ2 screws provided.



4. Position the cage nuts on the internal cable sleeve uprights.
5. Fix the faceplate support uprights using the PZ2 screws provided.
6. Clip the finishing profile onto the internal cable sleeve uprights.

MOUNTING OF DEVICES

XL³ HP 6300 enclosures accommodate:
- rails for mounting modular devices, DPX³ 160, DPX³ 250, DPX-IS 250, DRX and Vistop up to 160 A.
It is possible to mount DPX³ 160/250 and modular devices on the same row thanks to the rail spacer
- mounting plates for DPX³ circuit breakers to be mounted on quick-mounting crosspieces (p. 39)
- mounting plates for DMX³ open circuit breakers to be mounted on mounting profiles (p. 42)
- universal mounting plates.

Rail mounting

The frame is to be assembled with adjustable DIN rails allowing the mounting of modular devices or DPX³ 160, DPX³ 250, DPX-IS 250, DRX and Vistop up to 160 A with adapters.

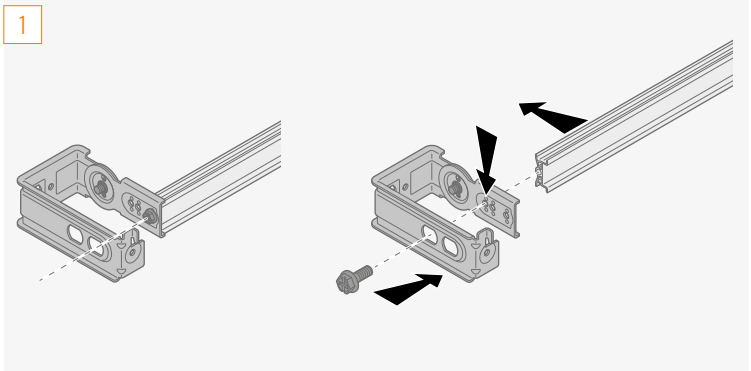
NEW

Numbered marks on the functional uprights corresponding to the position marks defined by XLPro4.

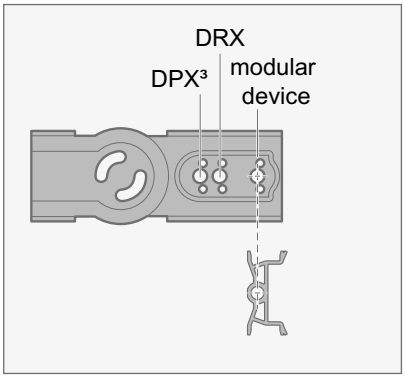
CUBICLES WIDTH 450 AND 600 MM

multi-head screw

1

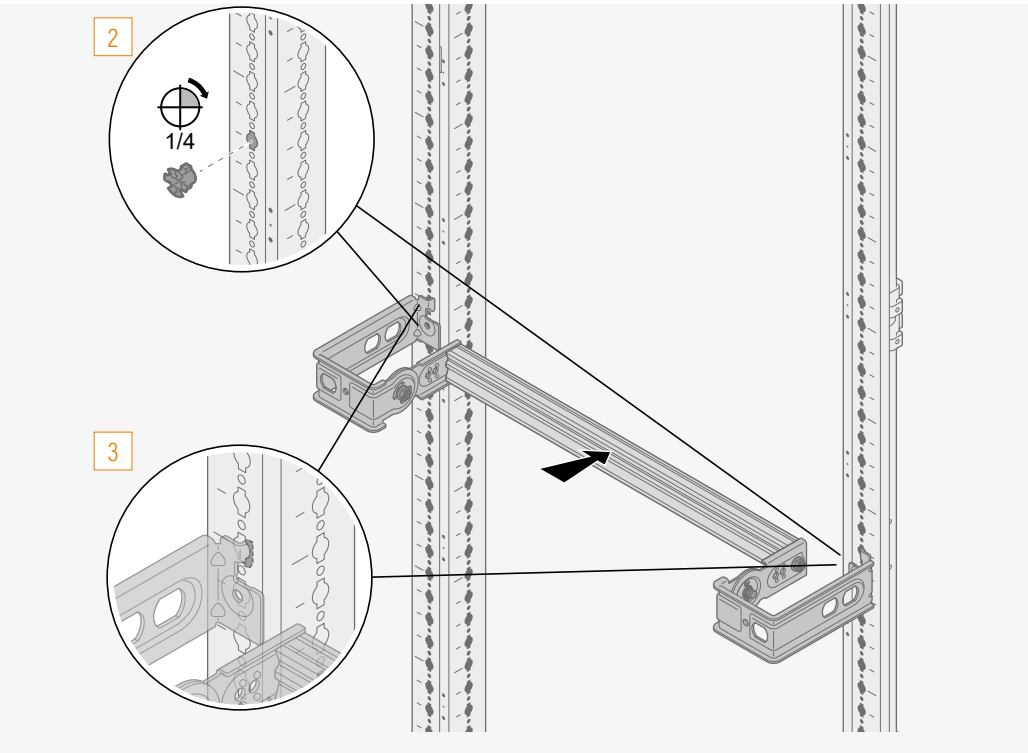


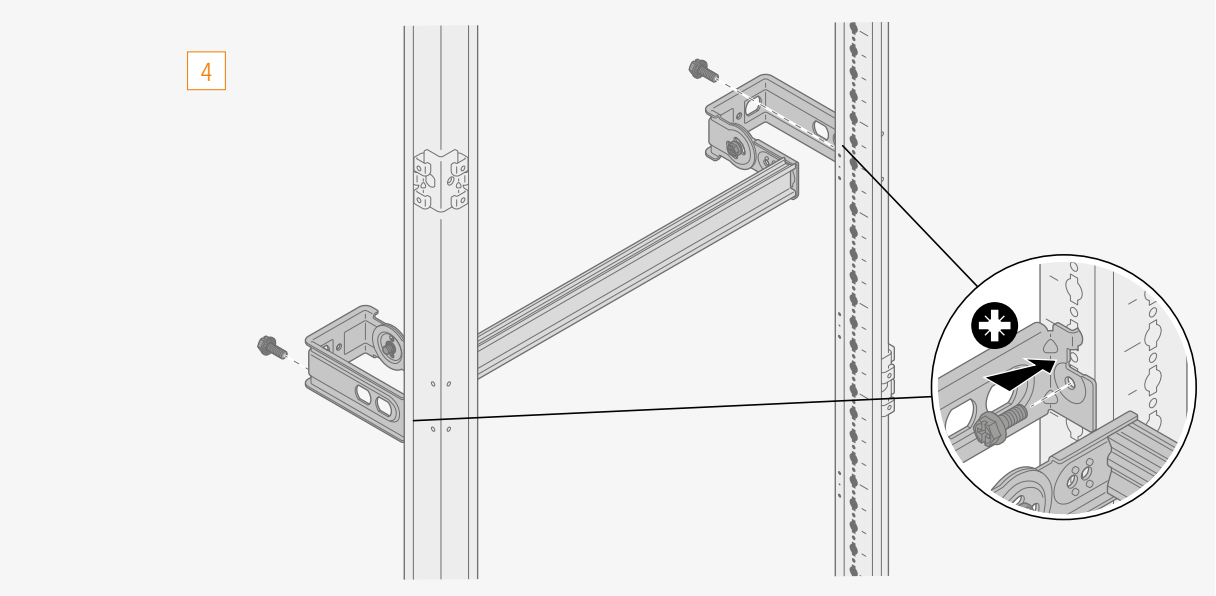
Position of the screw for the rail according to the devices to be installed:



1. Adjust the position of the rail on the fixing bracket according to the products to be mounted using the pre-mounted screws.

The rail is delivered assembled in the front position for mounting modular devices

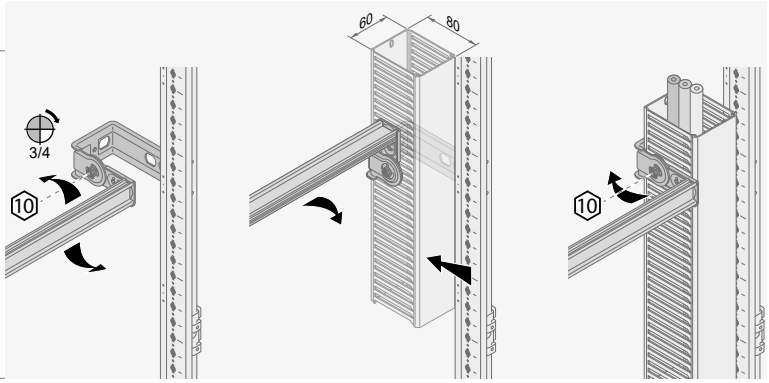




2. Position the cage nuts on the structure uprights.
3. Insert the fixing brackets into the notches of the uprights.
4. Fix the brackets into the uprights with the 2 multi-head screws provided.

It is possible to fix 80 mm high x 60 mm wide cable ducts in a vertical position on these rails.
Fix the cable duct using insulating rivet Cat.No 0 200 80 or nylon screws Ø6 mm.

Access to the duct is possible after removing the faceplate support

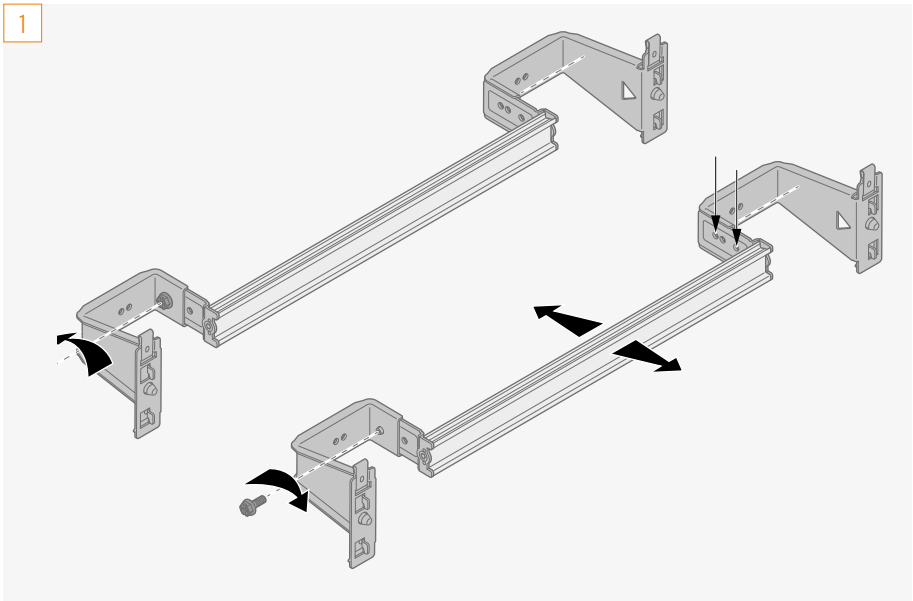


Rail mounting (continued)

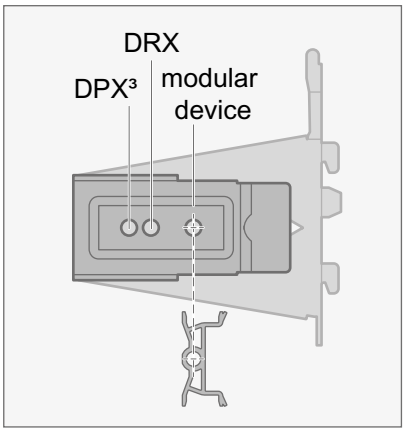
CUBICLES WIDTH 700, 800 AND 1400 MM

multi-head screw

1



Position of the screw for the rail according to the devices to be installed:

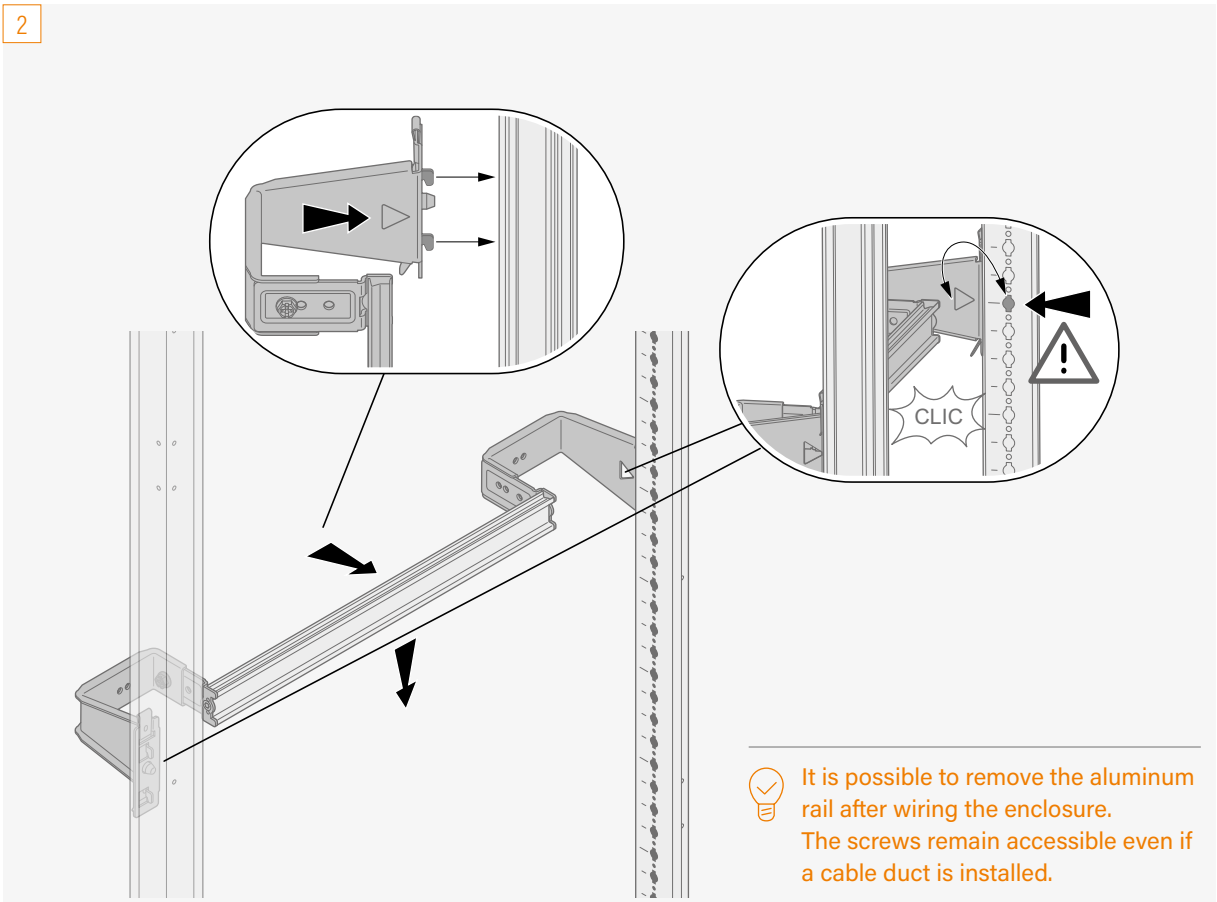


1. Adjust the position of the rail on the fixing bracket according to the products to be mounted using the pre-mounted multi-head screws.

The rail is delivered assembled in the front position for mounting modular devices

Screwless fixing

2



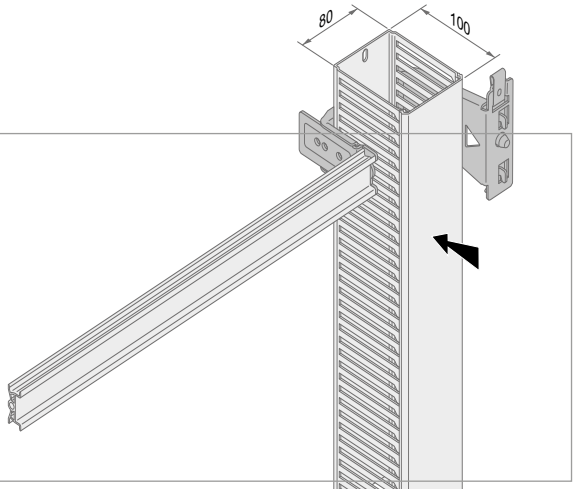
It is possible to remove the aluminum rail after wiring the enclosure.
The screws remain accessible even if a cable duct is installed.

2. Clip (without screws) the fixing brackets into the structure uprights.

+

It is possible to slide a duct in a vertical position, max. dimensions width 80 mm x height 100 mm, into the rail fixing brackets, once mounted.
Fix the cable duct using insulating rivet Cat.No 0 200 80 or nylon screws Ø6 mm

Access to the duct is possible after removing the faceplate support

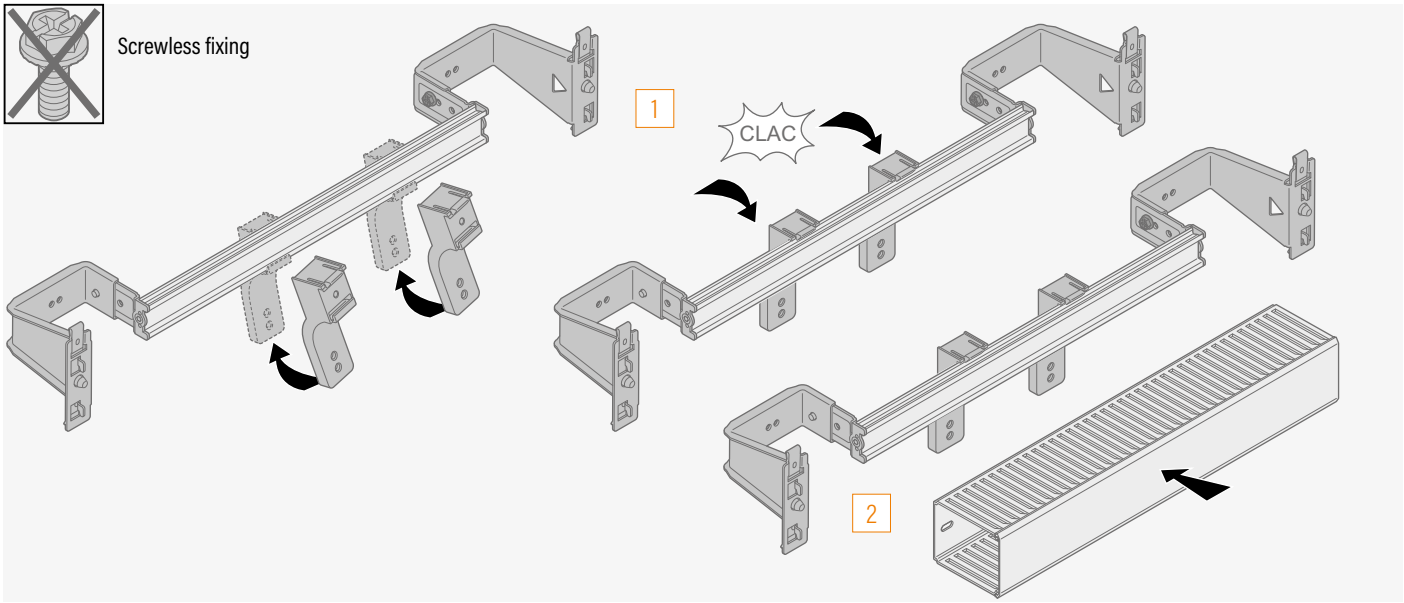


MOUNTING OF DEVICES

Horizontal cable duct mounting

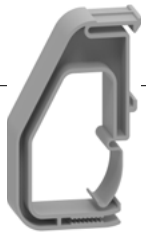


The cable duct is mounted horizontally below the rail with fixing support Cat. No. 3SFGH

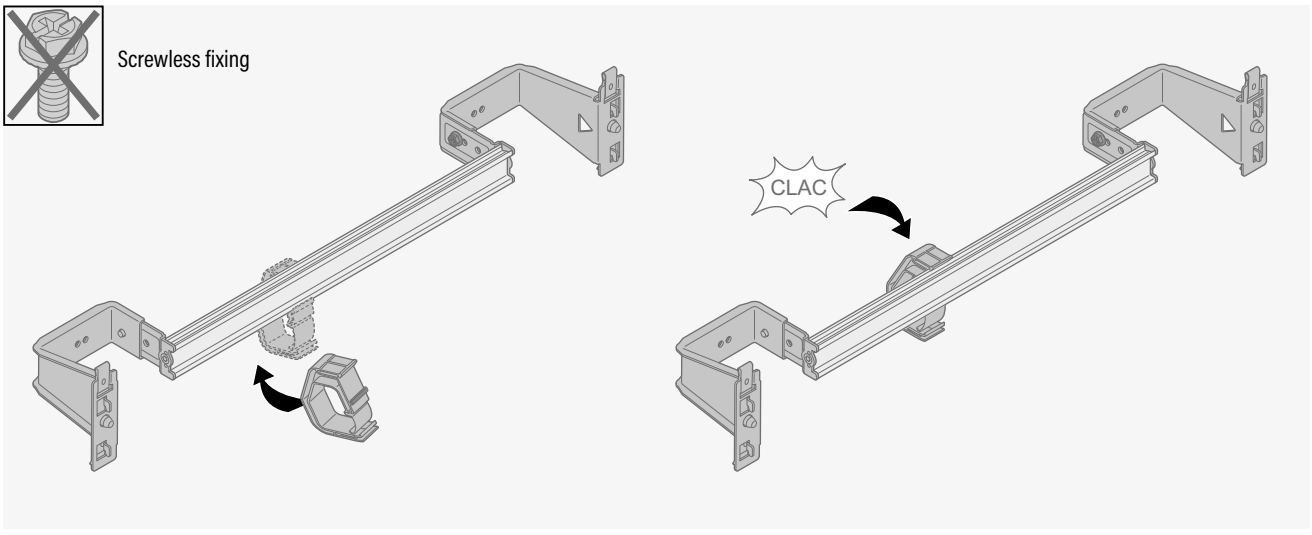


1. Clip the fixing support to the back of the rail.
2. Fix the horizontal cable duct onto the support using insulating rivets Cat.No 0 200 80 (not supplied) or nylon screws.

Wiring circulation

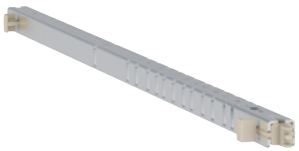


The tie for horizontal wiring circulation Cat.No 0BGH can be added without tools to the back of the rail.



Mounting plates fixing

The mounting plates for the DPX³ are fixed on the quick-mounting width crosspieces, which are themselves fixed to the depth crosspieces.



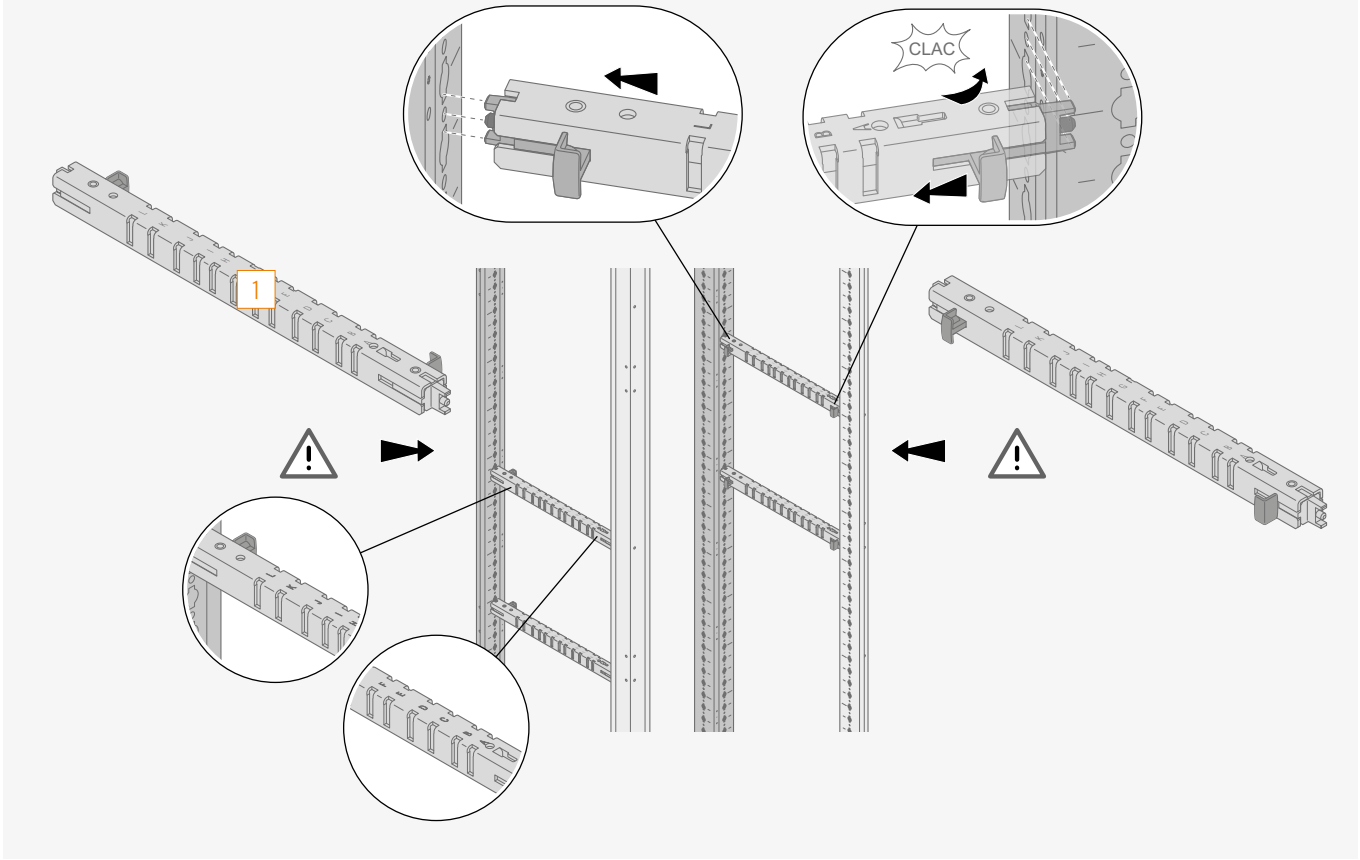
MOUNTING OF DEPTH CROSSPIECES CAT.NOS 3TRP040 / 3TRP060 / 3TRP080

Supplied in sets of 4 pieces (2 for left-hand mounting, 2 for right-hand mounting).



Screwless fixing

The crosspiece is positioned between the 2 numbers, with the central part of the spring in the cylindrical slot of the upright



1. Clip (without screws) the crosspieces onto the structural uprights, respecting the mounting direction (reversed between the 2 sides of the structural uprights)..

Tip for mounting the crosspieces:
- the letters must always be legible in the correct orientation from the front of the enclosure and visible on the upper part of the crosspiece,
- the spring grippers must be accessible from inside the enclosure.

Mounting of mounting plates (continued)

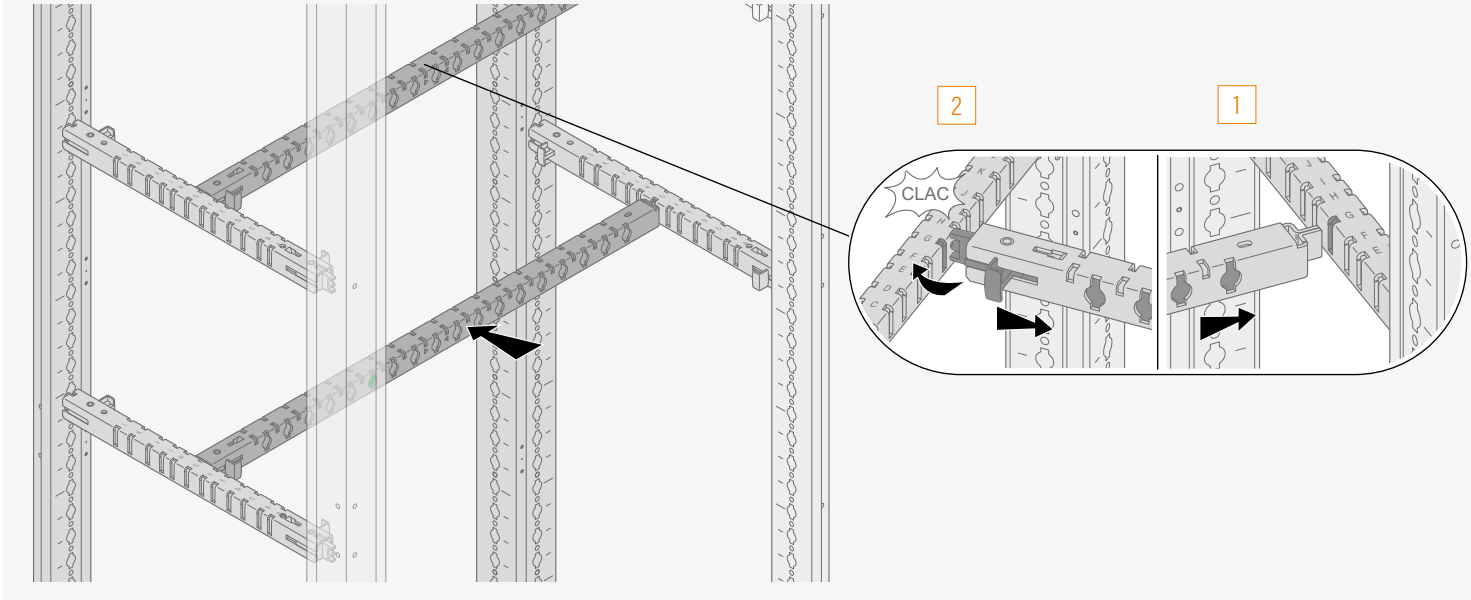
MOUNTING OF WIDTH CROSSPIECES CAT.NOS 3TRL045 / 3TRL060 / 3TRL070 / 3TRL080



Supplied in sets of 2 pieces

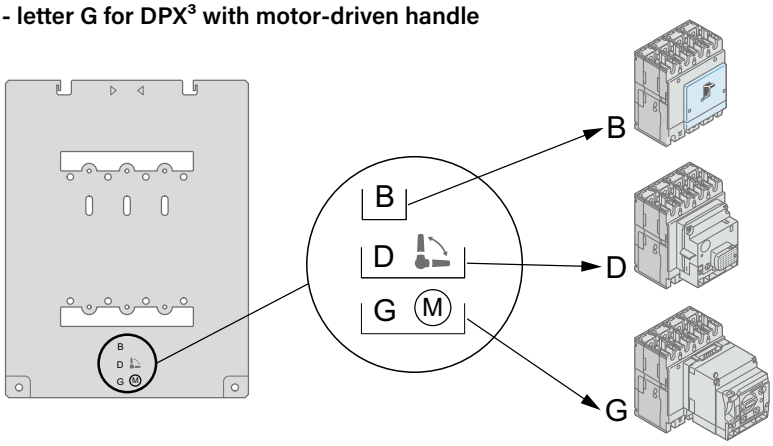
Screwless fixing

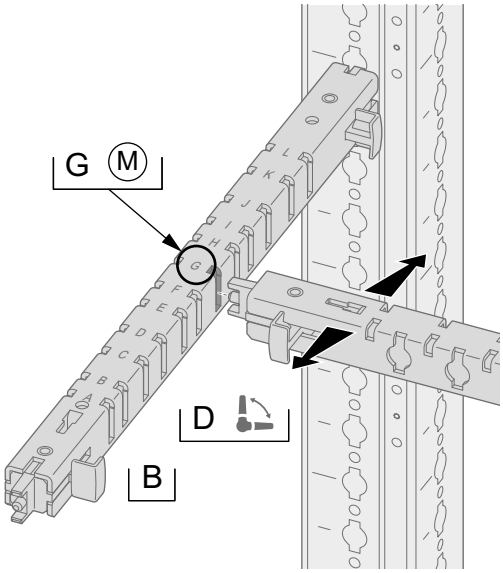




1. Insert the side of the width crosspiece with a fixed lug into the depth crosspiece
2. Finalize the insertion of the width crosspiece with the side featuring a spring-loaded lug into the depth crosspiece.

The position for fixing the width crosspiece onto the depth crosspiece is indicated on the mounting plate by identification letters according to the device to be fixed and its equipment.
Example in this case:
- letter B for DPX³ only
- letter D for DPX³ with rotary handle
- letter G for DPX³ with motor-driven handle

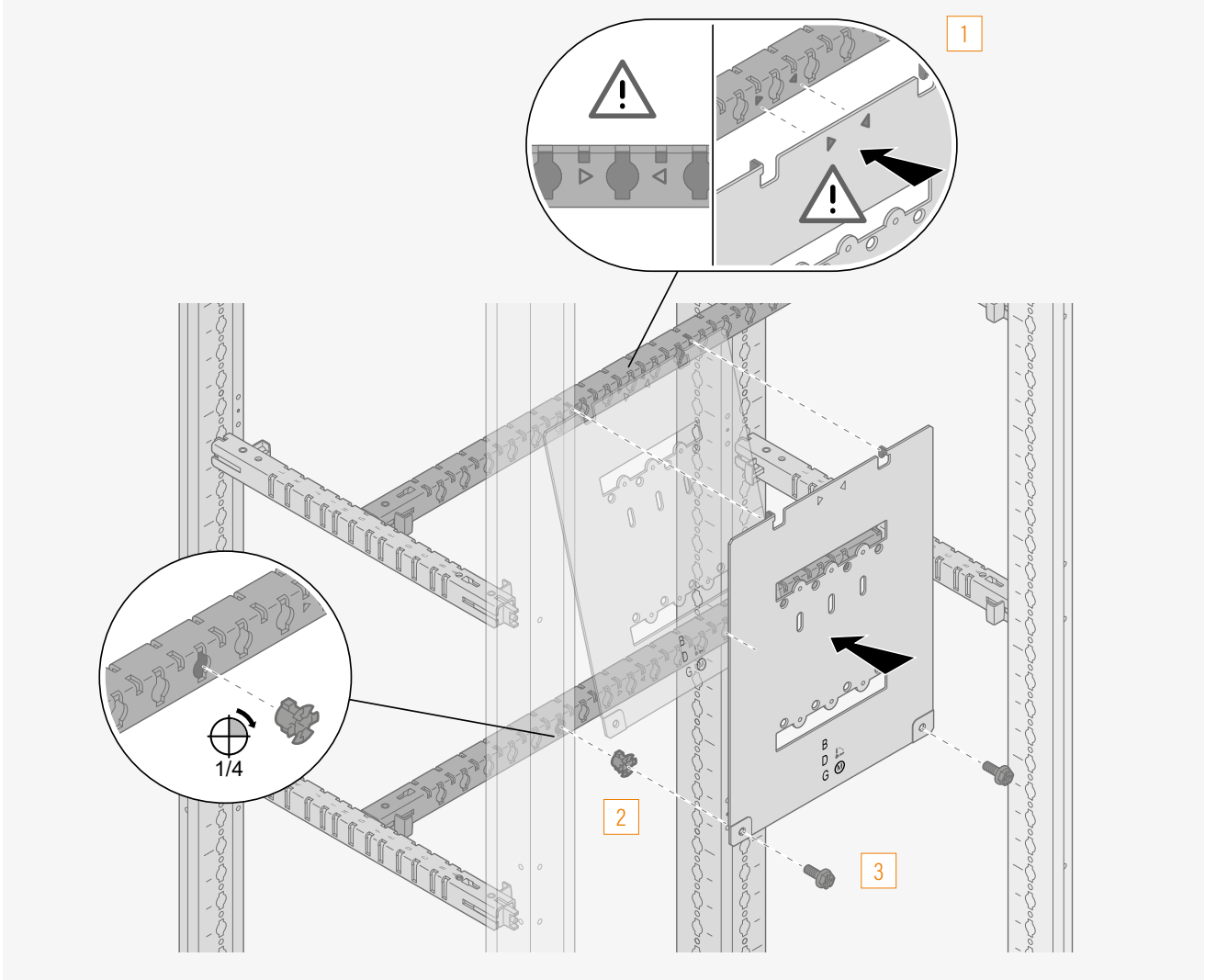




MOUNTING PLATES FOR DPX³, DPX-IS ETC.

Once the quick-mounting depth and width crosspieces are positioned, it is possible to fix the mounting plates in a vertical position for DPX³, DPX-IS, DRX etc.

multi-head screw



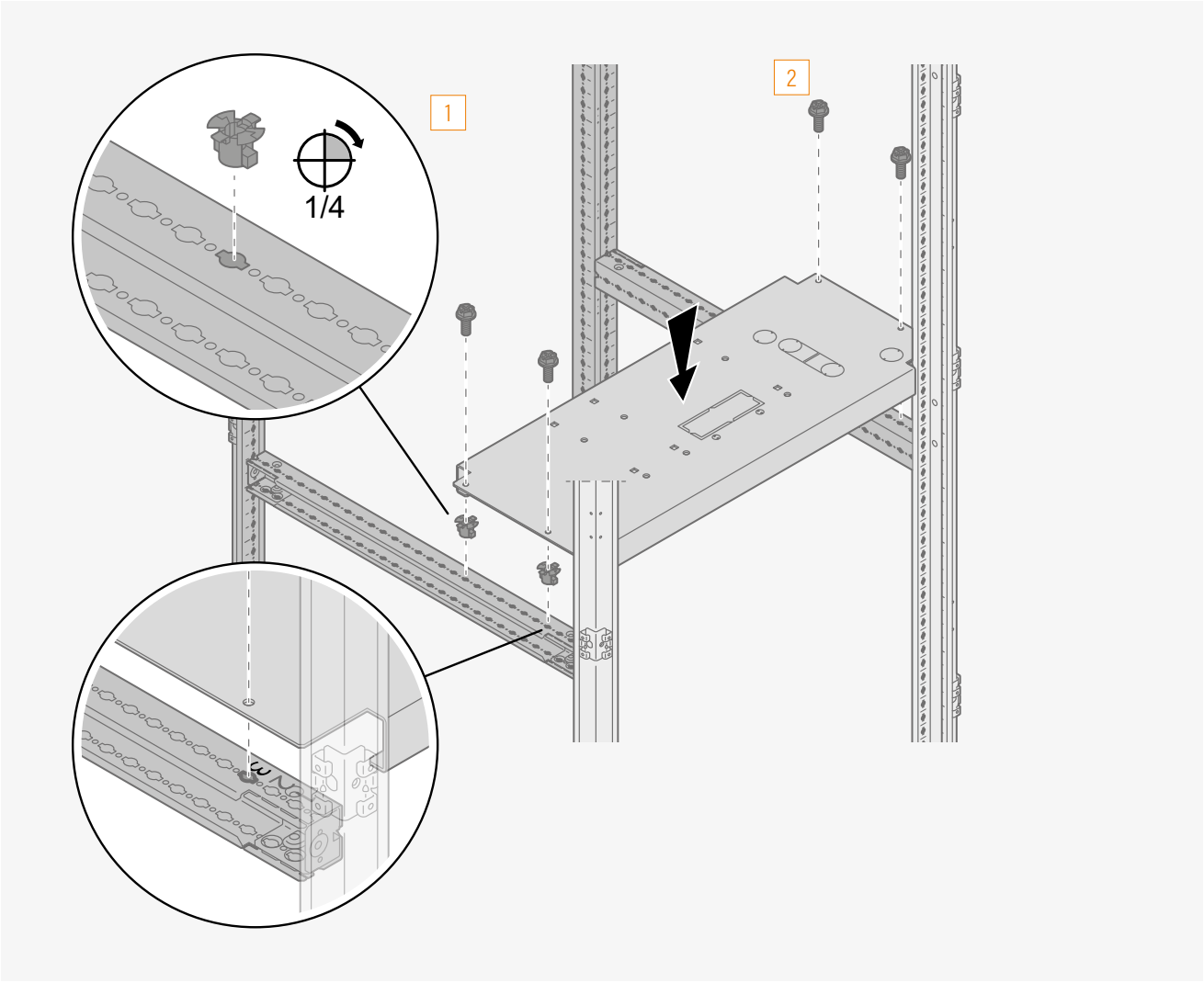
1. Slide the top of the mounting plate into the width crosspiece, centering the mounting plate on the crosspiece using the provided markings.
2. Position the 2 cage nuts supplied with the mounting plate on the lower width crosspiece.
3. Fix the mounting plate onto the lower width crosspiece using the 2 screws supplied with the mounting plate.

Mounting of mounting plates (continued)

MOUNTING PLATES FOR DMX³

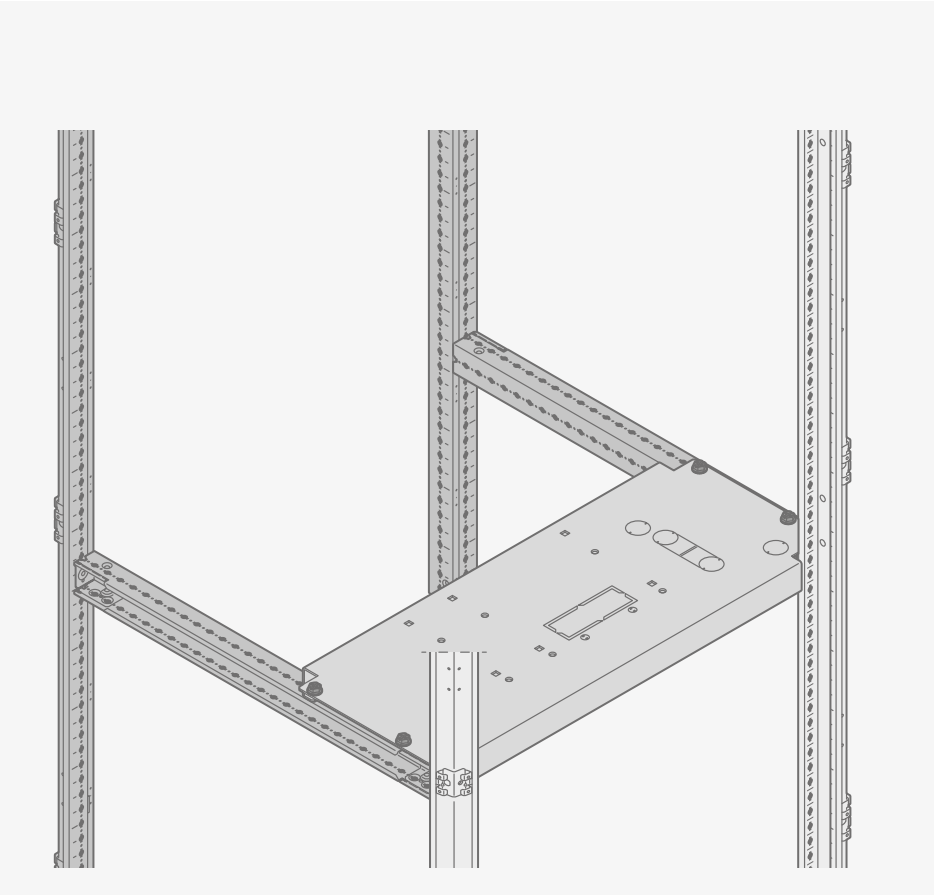
DMX³ units are installed on a mounting plate in a horizontal position on mounting profiles.

multi-head screw

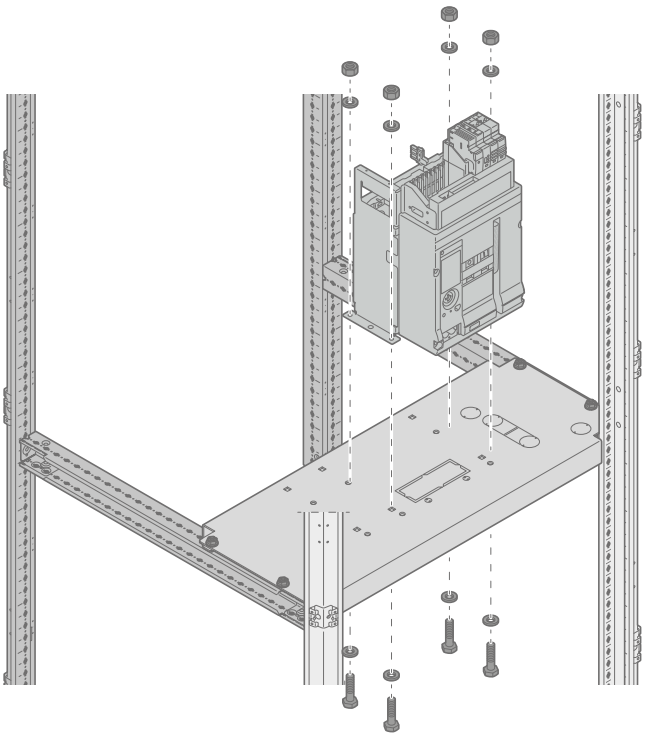


1. Position the 4 cage nuts supplied with the mounting plate on the mounting profiles (ensuring the 3rd hole is used to position the mounting plate as close as possible to the front of the enclosure).
2. Fix the mounting plate using the 4 multi-head screws supplied with the mounting plate.

3. Fix the DMX³ onto the mounting plate using the screws, nuts, and washers from the delivery pallet.



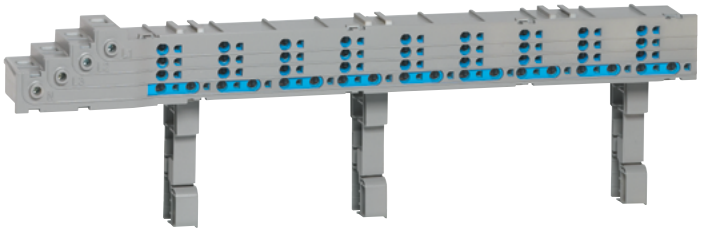
► More mounting information for each DMX³/DMX-SP is available in the mounting plate instructions on the online catalog at legrand.com



HX³/VX³ distribution system

HX³ 125A HORIZONTAL DISTRIBUTION BLOCK

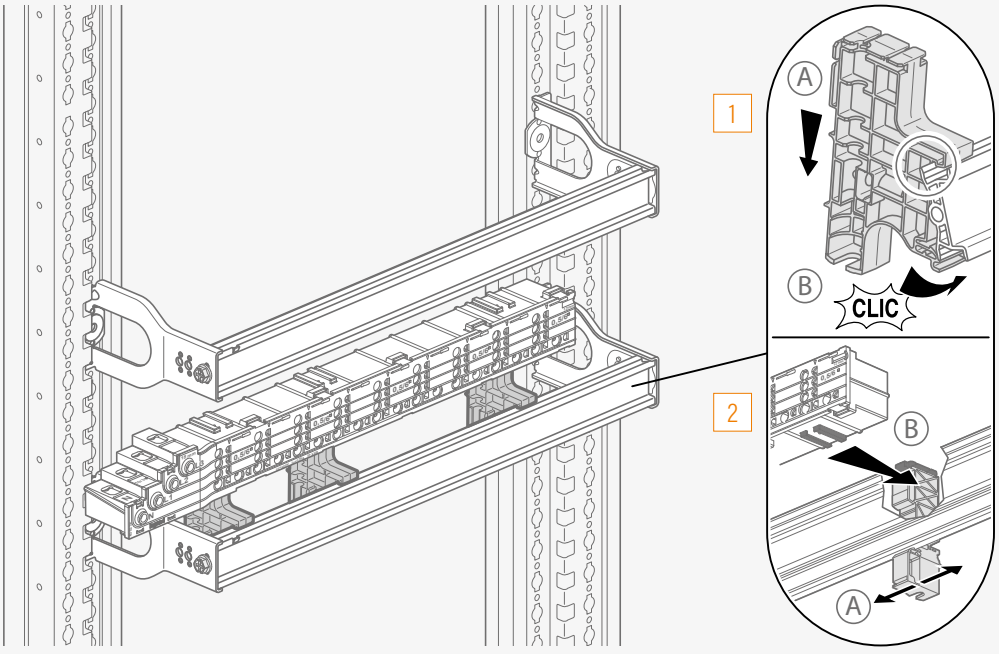
The 125 A horizontal distribution blocks Cat.Nos 4 052 30 (3 x 9 Phase outputs + 18 Neutral outputs) and 4 052 31 (3 x 4 Phase outputs + 8 Neutral outputs) are equipped with IP XXB automatic terminals and fixing lugs for attachment to a DIN rail or a perforated mounting plate (with accessory Cat.No 0 364 42).
Power supply is possible from the top, bottom, or through-feed via screw terminals.



Supplied with 2 types of supports:
- for XL³ HP 160 mounting (see photo)
- for XL³ HP 630 and XL³ HP 6300 mounting

⚠ The use of this distribution block requires a 200 mm high faceplate.

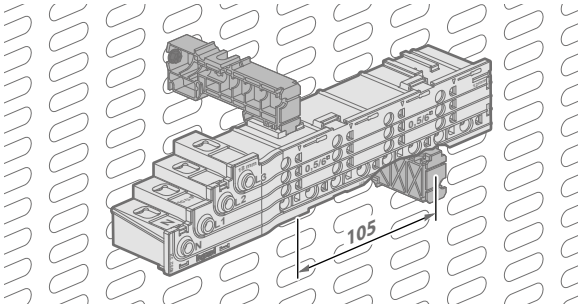
Terminal capacity:
- supply from top or bottom (screw terminals): 10 mm² to 35 mm² for flexible wires with or without ferrules or rigid wires,
- outputs (automatic terminals): 0.5 to 6 mm² for flexible wires with or without ferrules or rigid wires.

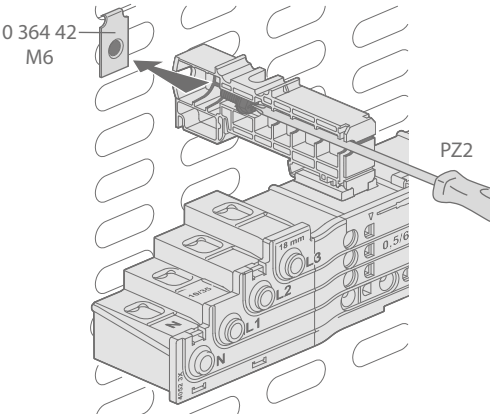


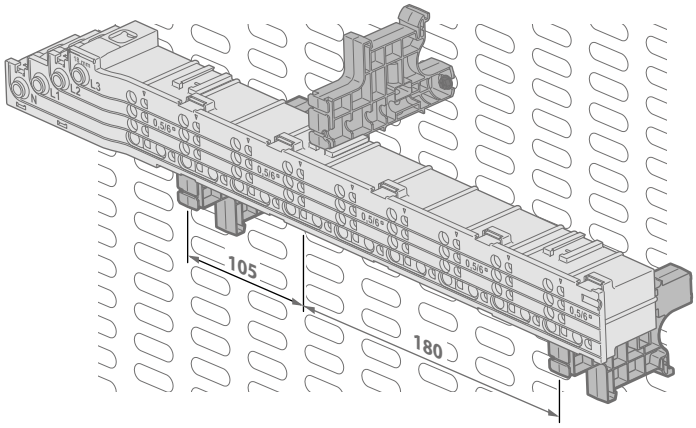
1. Clip the fixing lugs onto the DIN rail
2. Slide the fixing lugs along the rail and slide the distribution block into the upper part of the fixing lugs.

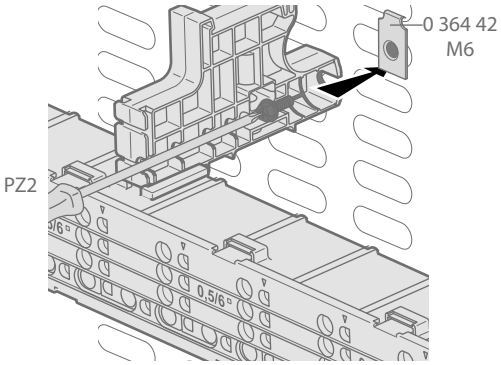
ⓘ The rail must be in the upper position for mounting the distribution block support.

Can also be fixed to a perforated mounting plate with accessory Cat.No 0 364 42 and the supplied fixing lugs









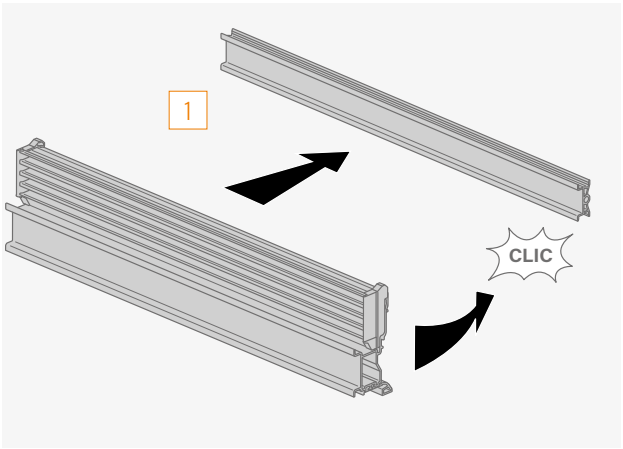
HX³/VX³ distribution system (continued)

HX³ AUTOMATIC HORIZONTAL DISTRIBUTION BLOCK 125A

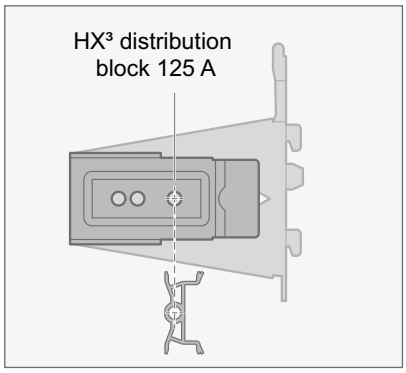
The single-phase or four-pole automatic connection row distribution blocks, Cat.Nos 0RR125M24 or 0RR125M36, allow for safe (IP XXB) automatic connection and disconnection under voltage (off-load) via connection modules.
They are mounted on the rails with a supplied aluminum spacer.



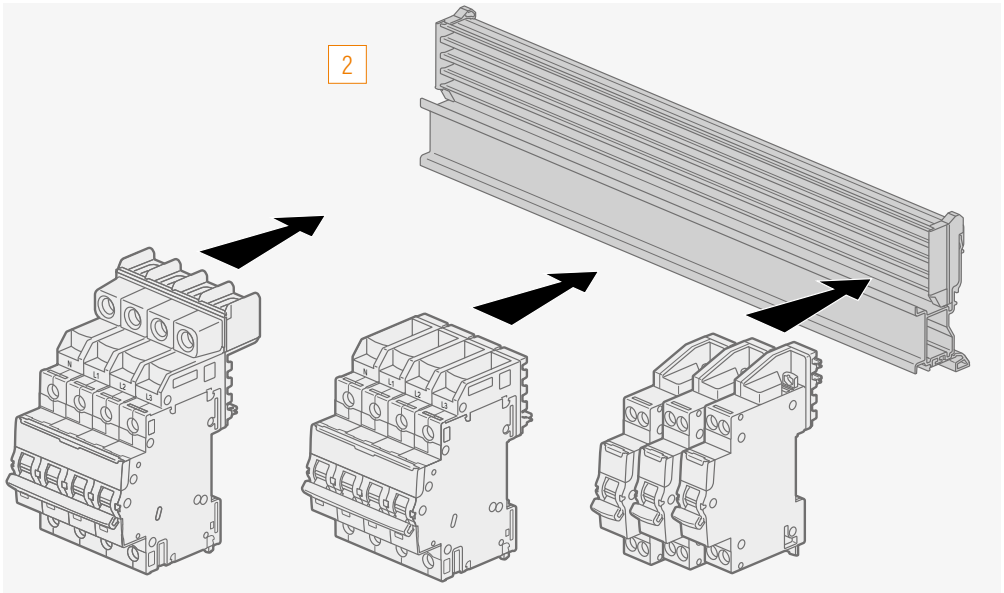
Under installation conditions, allows for compliance with IS 223 at the row level.



1. Clip the HX³ 125A horizontal distribution block with the spacer onto the DIN rail (not supplied).



Adjust the bracket to the low position to install the distribution block.



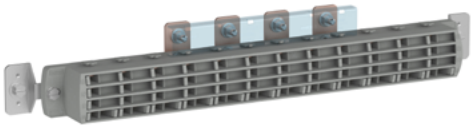
2. Clip the modular devices onto the distribution block with the corresponding connection modules.

Requires the use of a faceplate with a minimum height of 150 mm.

It is possible to mount a DPX³ 160 on this distribution block by removing the spacer and cutting the rail.
▶ More information in the distribution block manual available in the online catalog at legrand.com

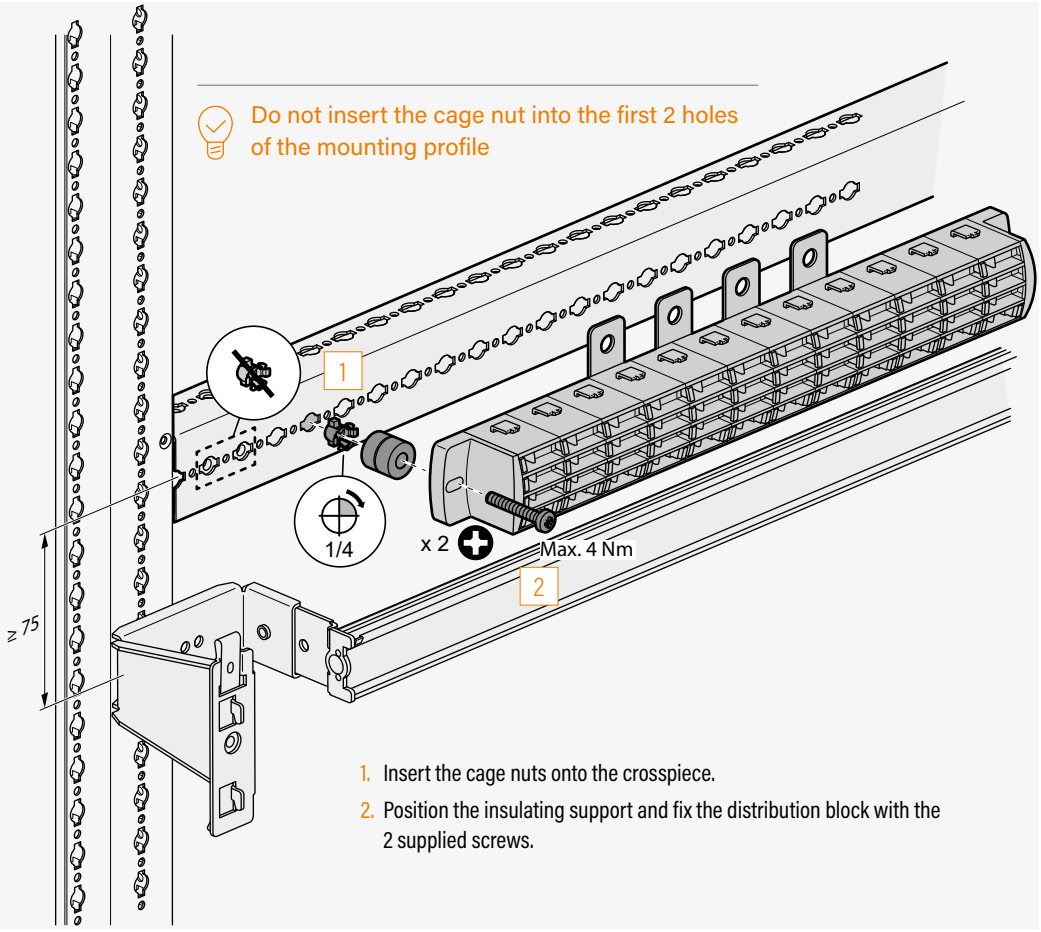
HX³ LEXICLIC 250 A HORIZONTAL DISTRIBUTION BLOCK

The Lexiclic single-phase or four-pole/single-phase horizontal distribution blocks allow for safe (IP XXB) connection and disconnection under voltage (off-load) with automatic locking connector cords.
They are mounted on mounting profiles Cat.No 3PR...



Under installation conditions, allows for compliance with IS 223 at the row level.

Cat.Nos 0RR2501XX and 0RR2503XX: mounting on crosspieces



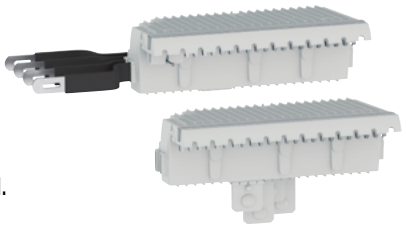
The minimum fixing centre distance to be observed when installing a rail below or above the crosspiece is 75 mm.

HX³/VX³ distribution system

Mounting only in XL³ HP 6300 enclosures 600 mm wide

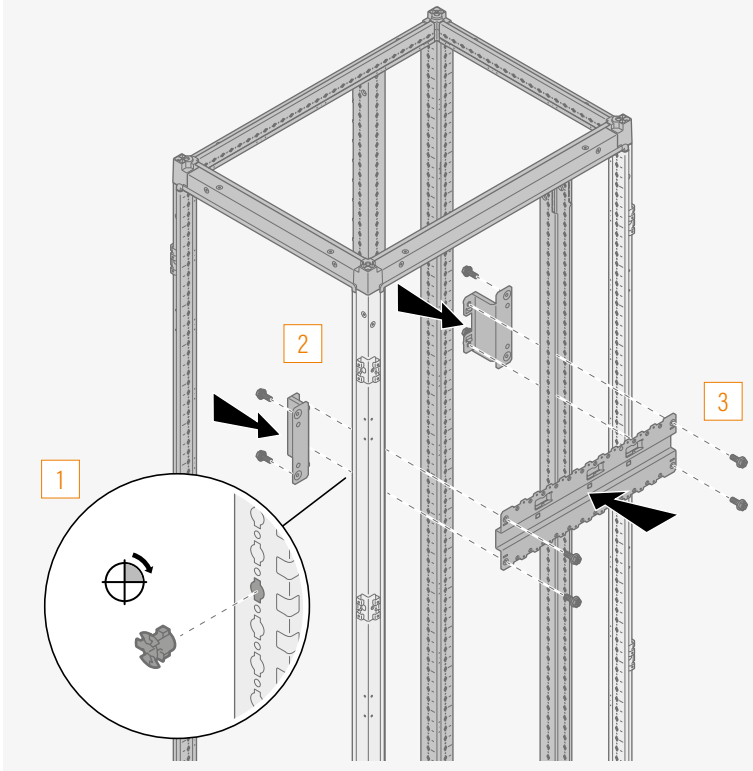
HX³ HORIZONTAL DISTRIBUTION BLOCK FOR DPX³ 250 HP MAXIMUM CURRENT 630 A

The horizontal distribution blocks allow for tool-free connection of 3 or 4 DPX³ 250 HP fixed or plug-in versions in vertical position.
They are available in 2 versions:
- supplied with side extensions (left or right) for direct connection to aluminum bars (max. 1600 A) mounted in a 200 mm wide cable sleeve.
- supplied with Ø9mm connection terminals for bottom connection to cables or bars not supplied.



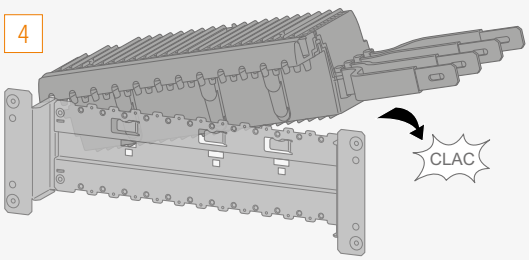
MOUNTING	CASE 1: ON STRUCTURAL UPRIGHTS IN ENCLOSURE WIDTH 600 MM + INTERNAL CABLE SLEEVE 200 MM	CASE 2: ON STRUCTURAL UPRIGHTS ACROSS THE ENCLOSURE WIDTH 600 MM + EXTERNAL/INTERNAL CABLE SLEEVE 400 MM	CASE 3: ON MOUNTING PROFILES IN ENCLOSURES WIDTH 600 MM
For DPX³ 250 HP fixed version only	distribution block with extension: 3DBF3PL or 3DBF3PR or 3DBF4PL or 3DBF4PR + mounting kit: 3PLDBF	distribution block with connection terminals: 3DB03P or 3DB04P + mounting kit: 3PLDBF	NO
For DPX³ 250 HP fixed version with rotary or motor-driven handle	NO	NO	distribution block with connection terminals: 3DB03P or 3DB04P + mounting kit 3PLDBAC
For DPX³ 250 HP plug-in version	NO	NO	distribution block with connection terminals: 3DB03P or 3DB04P + mounting kit 3PLDBPI

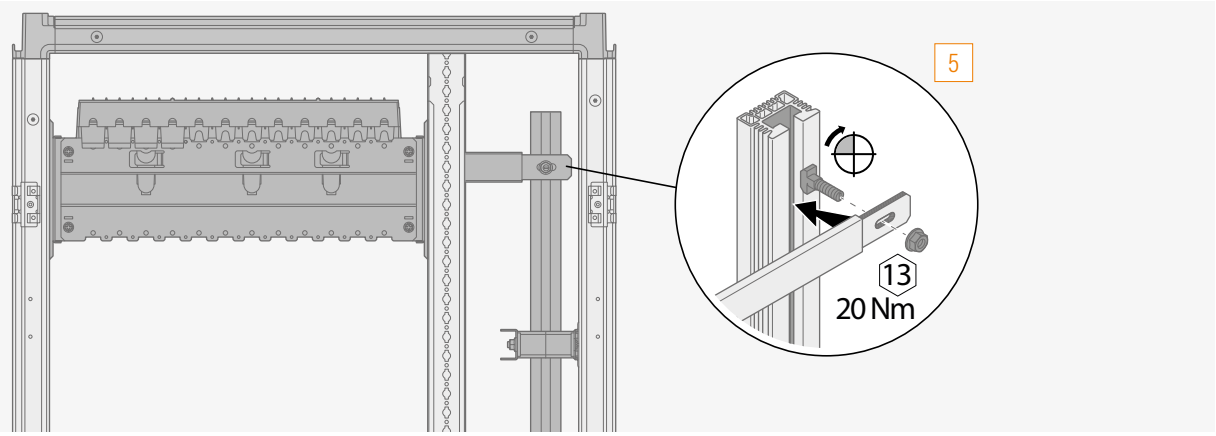
CASE 1 OR CASE 2: MOUNTING KIT CAT.NO 3PLDBF



multi-head screw

1. Insert 4 cage nuts inside the structural uprights (2 on each upright).
2. Position the 2 mounting brackets and fix the assembly with the 4 multi-head screws provided (on the outer holes of the bracket),
3. Position the kit mounting plate Cat.No 3PLDBF and fix it to the inner holes of the brackets using the 4 multi-head screws provided.
4. Clip the distribution block onto the mounting plate.

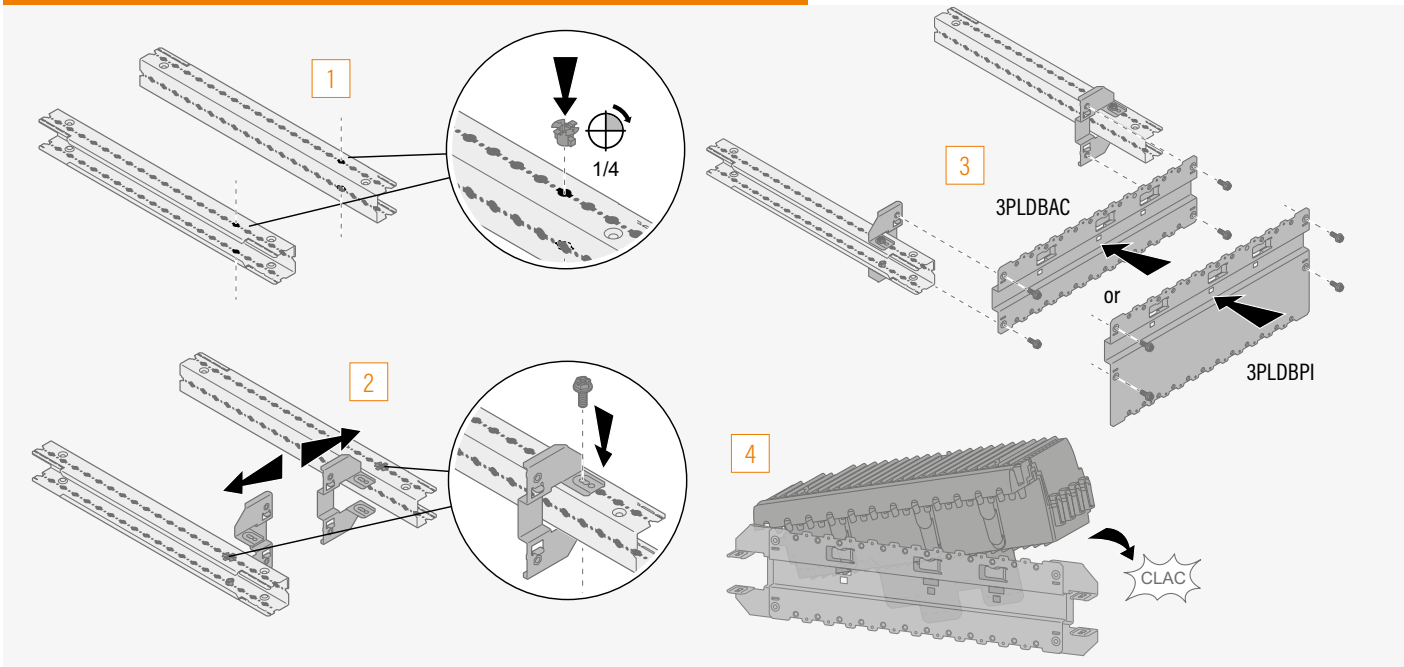




5. Connect the extensions to an aluminum busbar max. 1600 A (installed in 200 mm internal cable sleeve) with hammer nuts Cat.No 4 044 92

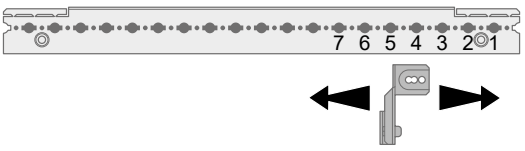
CASE 3: MOUNTING KIT CAT.NOS 3PLDBAC OR 3PLDBPI

⚠ Mounting in 600 mm wide enclosure only



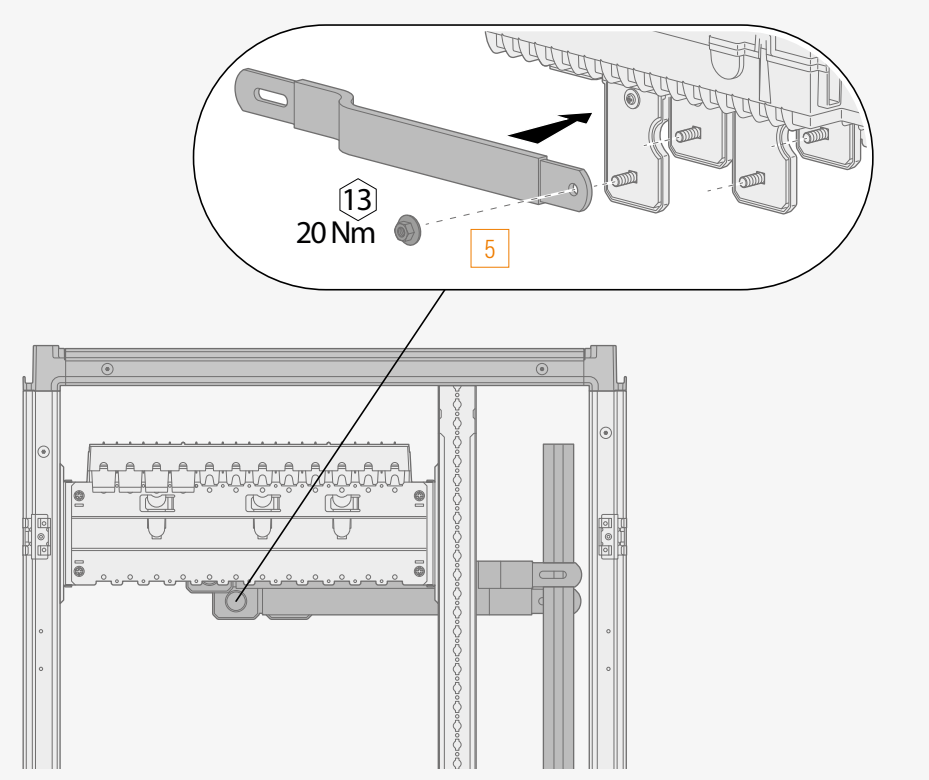
1. Insert 2 cage nuts onto the mounting profiles Cat.No 3PR...
2. Position the 2 mounting brackets and secure the assembly with the 4 multi-head screws supplied (upper and lower part of each depth crosspiece Cat.Nos 3TRP...,
3. Position the mounting kit plate Cat.No 3PLDBAC or 3PLDBPI and fix it to the inner holes of the brackets using the 4 multi-head screws provided.
4. Clip the distribution block onto the mounting plate.

The position for fixing the mounting kit brackets on the mounting profile is determined by the DPX³ 250 HP version to be mounted.
Example in this case:
- DPX³ 250 HP fixed version with rotary handle: 3rd hole
- DPX³ 250 HP fixed version with motor driven handle: 5th hole
- DPX³ 250 HP plug-in version only: 4th hole
- DPX³ 250 HP plug-in version with rotary handle: 5th hole
- DPX³ 250 HP plug-in version with motor operator: 7th hole



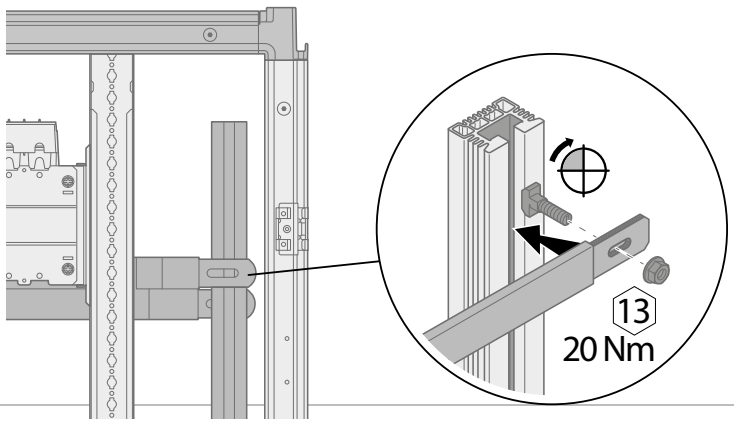
HX³/VX³ distribution system (continued)

HX³ HORIZONTAL DISTRIBUTION BLOCK FOR DPX³ 250 HP - LIMITED TO 630 A (CONTINUED)



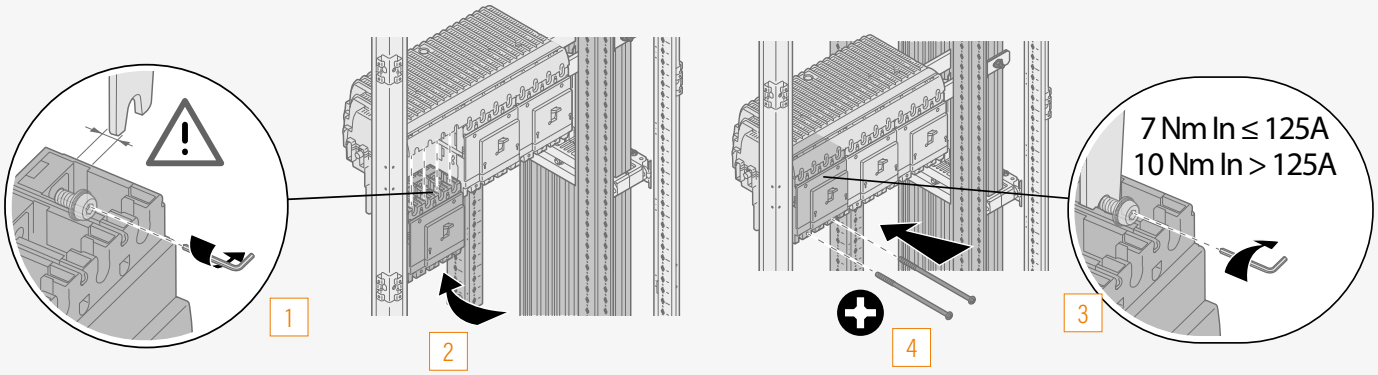
5. Connect to the Ø9mm connection terminals with cables or 5x32mm bars (not provided). It is possible to connect to an aluminum or copper busbar by adapting the length of the bars.

The distribution block can be connected to an aligned copper or aluminum busbar, in an internal or external cable sleeve, depending on the length of the bars (5 × 32 mm), using hammer nuts Cat.No 4 044 92 adapted to the bars.



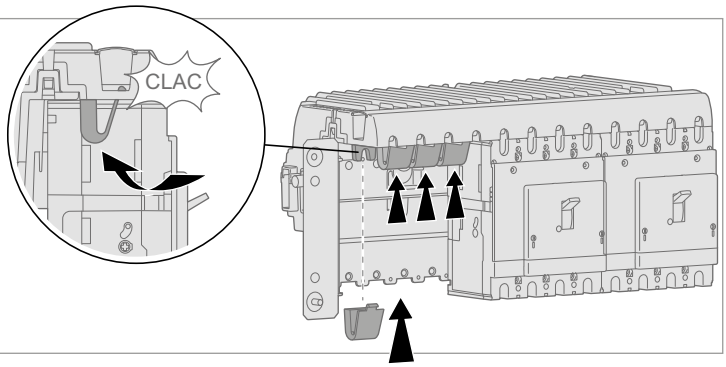
MOUNTING OF DPX³ 250 HP ON THE DISTRIBUTION BLOCK

Depending on the reference, the distribution block can accept 3 circuit breakers 4P or 4 circuit breakers 3P.

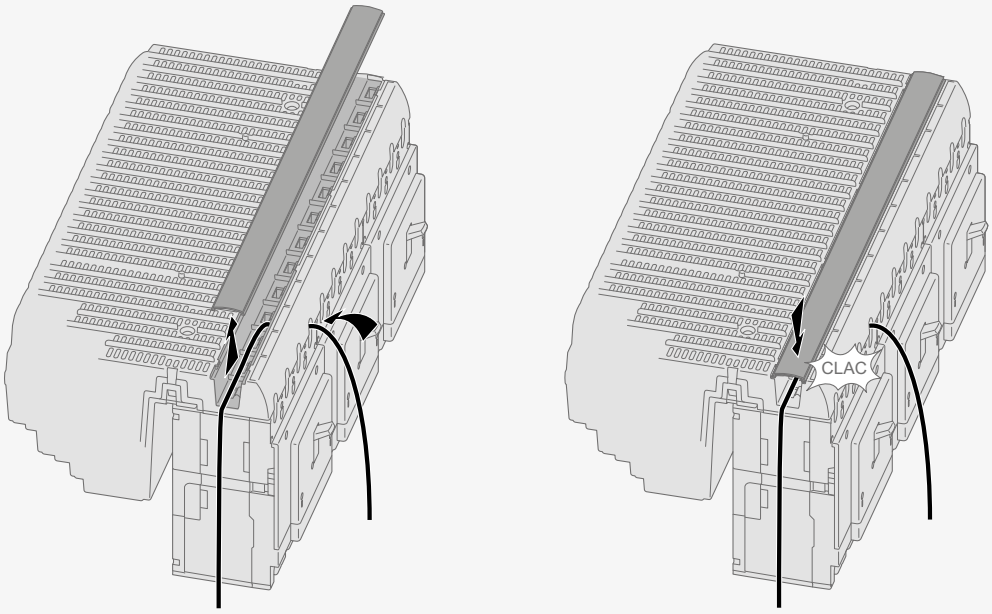


1. Unscrew the upstream connection terminals.
2. Integrate the DPX³ 250 HP, ensuring the insertion of the distribution block comb teeth.
3. Fix the distribution block comb teeth by tightening the circuit breaker connection terminal screws to 7 Nm for DPX³ 250 HP In ≤ 125 A or 10 Nm for In > 125 A
4. Fix the DPX³ 250 HP onto the mounting plate using the long screws provided with the circuit breaker on the lower part.

It is necessary to fit protective covers Cat.No 3DBPC on the unused teeth of the DPX³ 250 HP distribution block.
It is possible to mix 3P and 4P products on distribution blocks Cat.Nos 3DBF4PL, 3DBF4PR or 3DBO4P (only), but it is imperative to put a protective cover on the tooth supplying the neutral of a 4P product



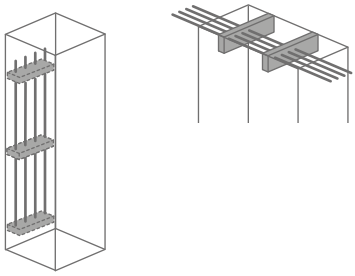
The distribution block cover allows for the storage of control cables for DPX³ 250 HP auxiliaries



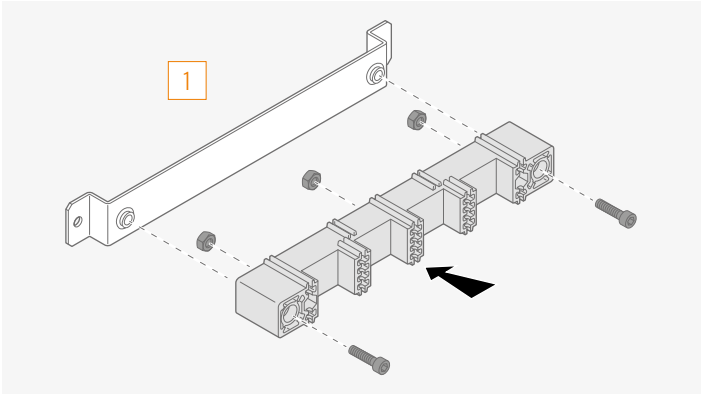
Insulating supports for C-shaped aluminum busbars

BUSBAR IN ALIGNED POSITION ≤ 630 A

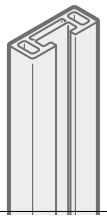
These insulating supports Cat.Nos 0SBXXM630ALI (intermediate) and 0SBXXM630ALT (end) allow for the vertical or horizontal mounting of C-shaped aluminium busbars in an aligned position.
They are compatible with C-shaped aluminium bars Cat.Nos 4 044 30/31/32.



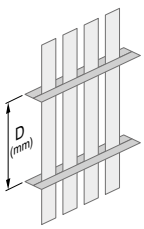


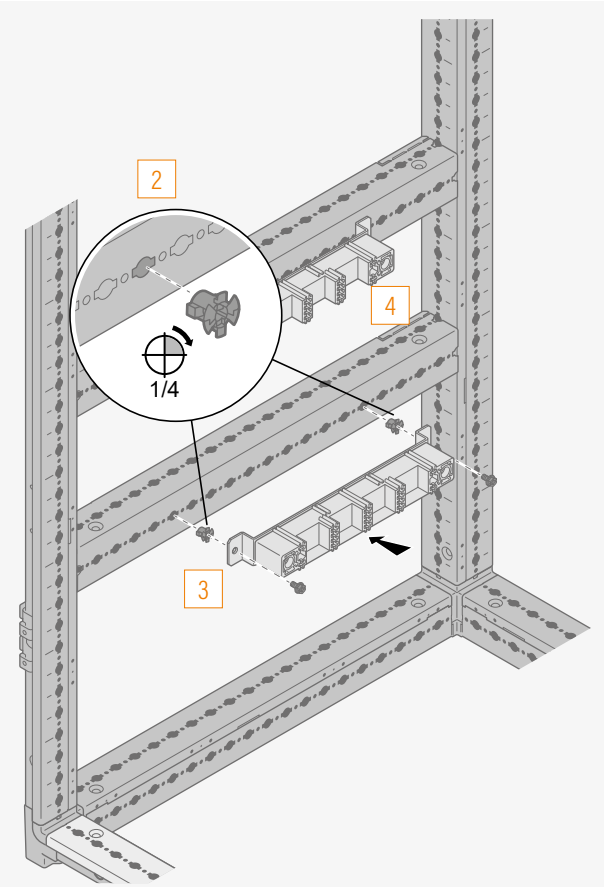


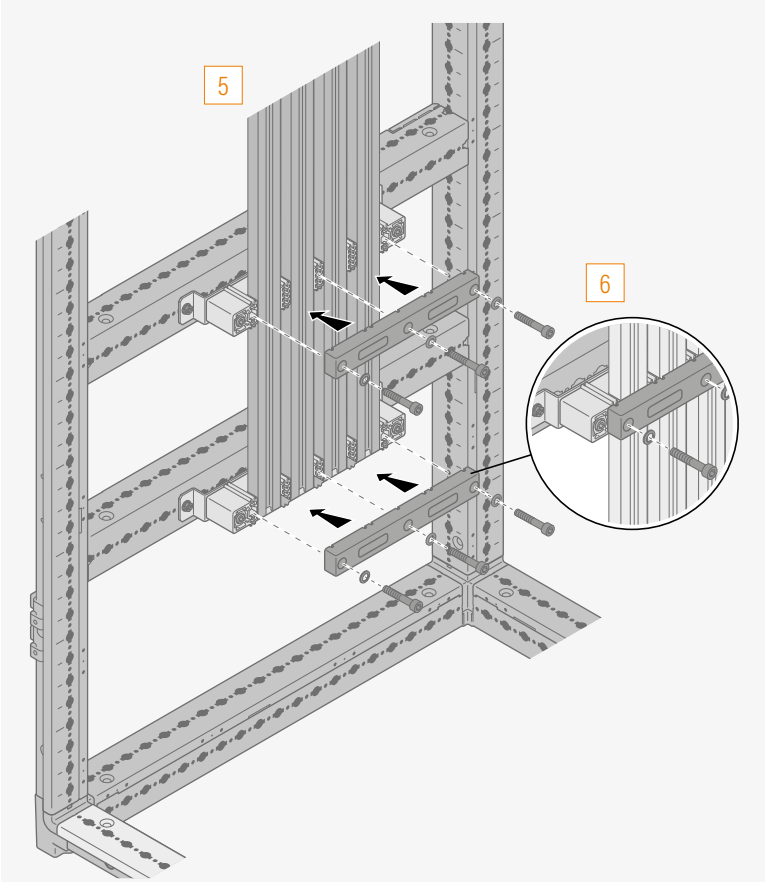
1. Assemble the insulating support and the metal crosspiece for the intermediate and end supports.
2. Insert the cage nuts onto the mounting profiles Cat.No 3PR....
3. Fix the end support with the integrated end caps, respecting the distances indicated in the table below
4. Fix the intermediate supports, respecting the distances indicated in the table below
5. Slide the C-shaped aluminium bars into the insulating supports.
6. Close the insulating support with the upper part using the screws provided.
7. Cut the profile Cat.No 0BALIP to length between the insulating supports.
8. Insulate the bars with the insulating profile.

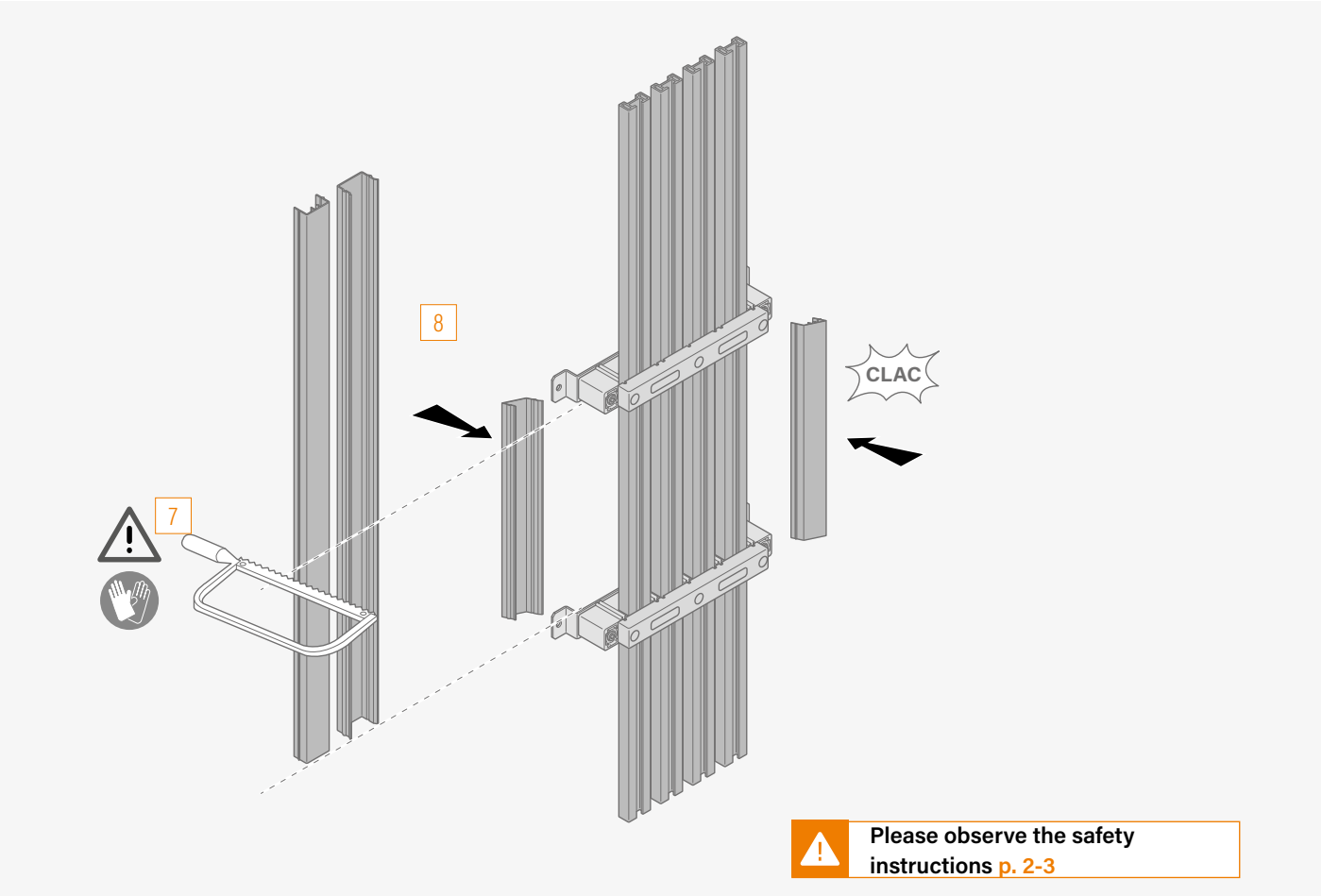
C-SECTION ALUMINIUM BARS	Reference temperature: 35°C	I (A)		I (A)	
		IP ≤ 30	IP > 30	IP ≤ 30	IP > 30
	4 044 30	320	250	320	250
	4 044 31	500	400	500	400
	4 044 32	700	630	700	630

Not compatible with the mounting of tap-off terminals Cat.Nos 4 044 89/90.

		Ipk (kA)											
D (mm)		10	15	20	25	30	35	40	45	50	60	70	80
	4 044 30	1600	1200	800	600	400	350	300	250	250	-	-	-
	4 044 31	1600	1200	800	650	500	450	400	350	300	250	175	100
	4 044 32	1600	1200	800	650	500	450	400	350	300	250	175	100





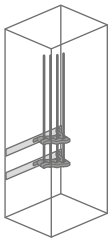


Please observe the safety instructions p. 2-3

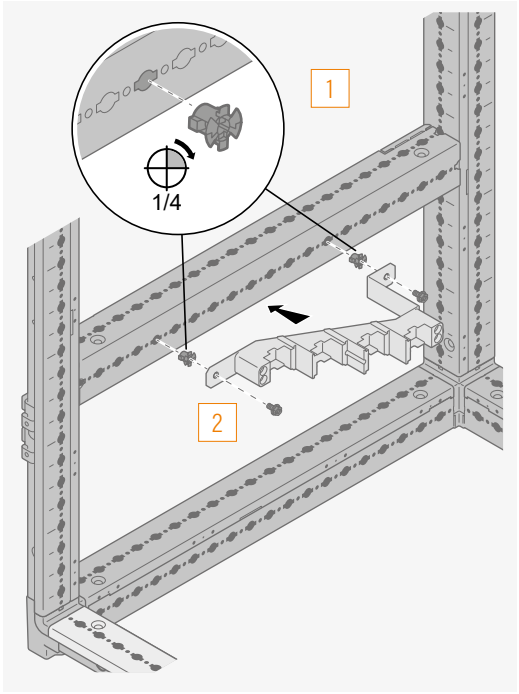
Insulating supports for C-section aluminium busbars (continued)

BUSBAR IN OFFSET POSITION ≤ 630 A

These insulating supports Cat.Nos 3SBXX630ALI (intermediate) and 3SBXX630ALT (end) allow for the vertical mounting of C-section aluminium busbars in an offset position. They are compatible with C-section aluminium bars Cat.Nos 4 044 30/31/32.



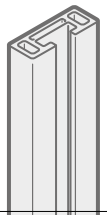
multi-head screw





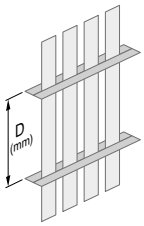
1. Insert the cage nuts onto the mounting profiles Cat.No 3PR....
2. Fix the end support with the corresponding end caps, respecting the distances indicated in the table below
3. Fix the intermediate supports with the corresponding end caps, respecting the distances indicated in the table below
4. Slide the C-section aluminium busbars into the insulating supports.
5. Close the insulating support with the upper part using the screws provided.
6. Cut the profile Cat.No 0BALIP to length between the insulating supports.
7. Insulate the bars with the insulating profile.

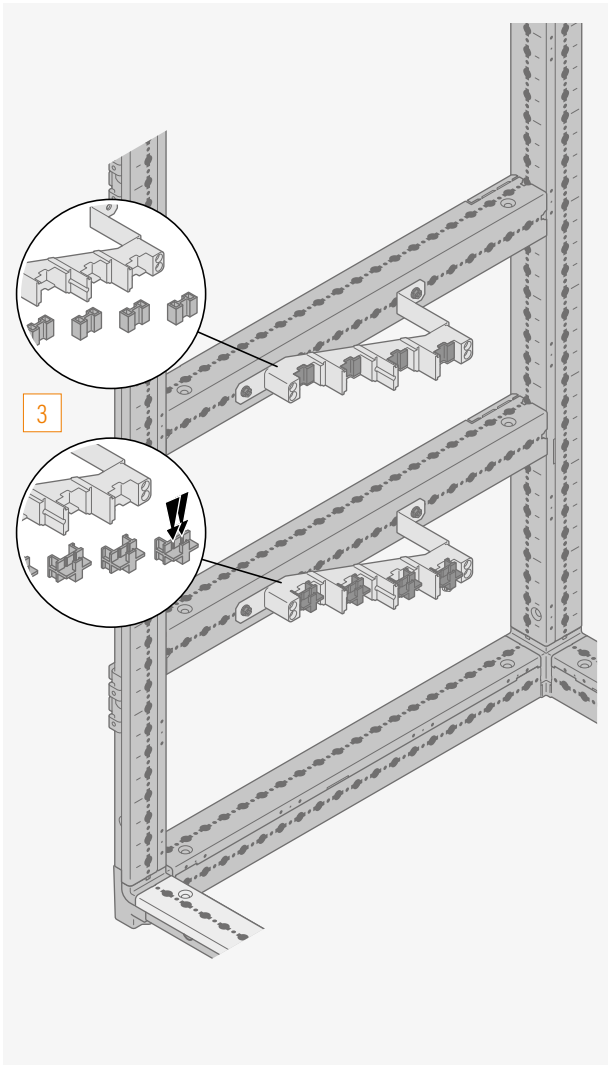
C-SHAPED ALUMINUM BARS

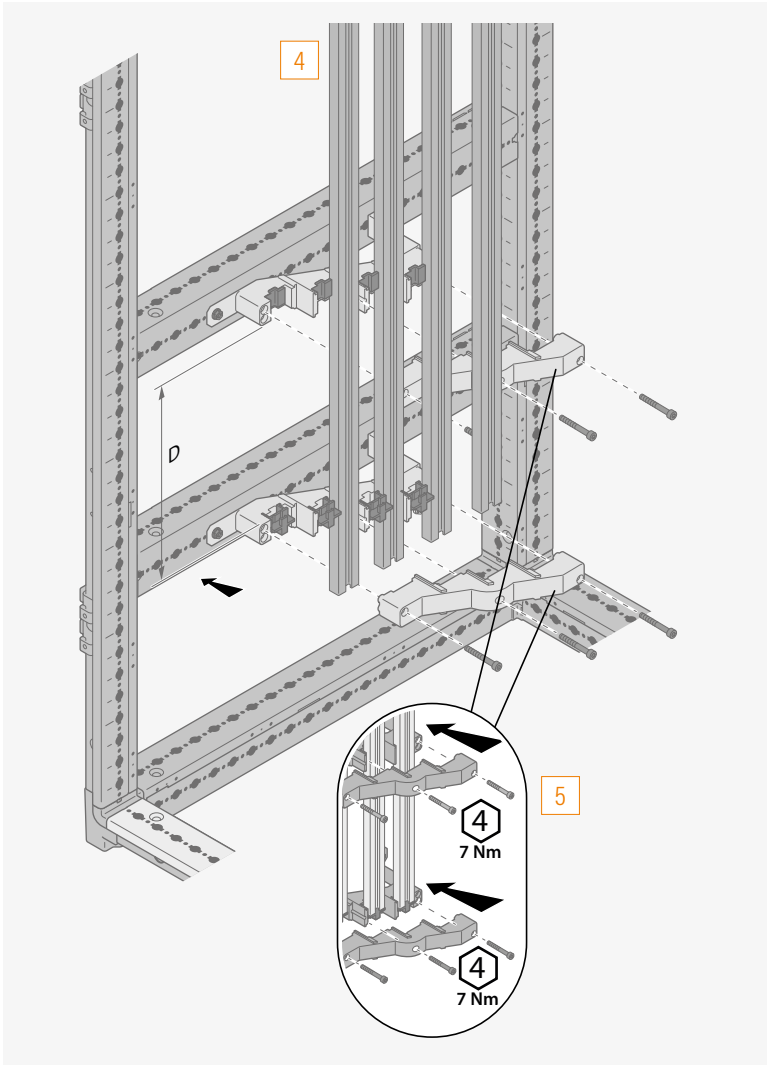


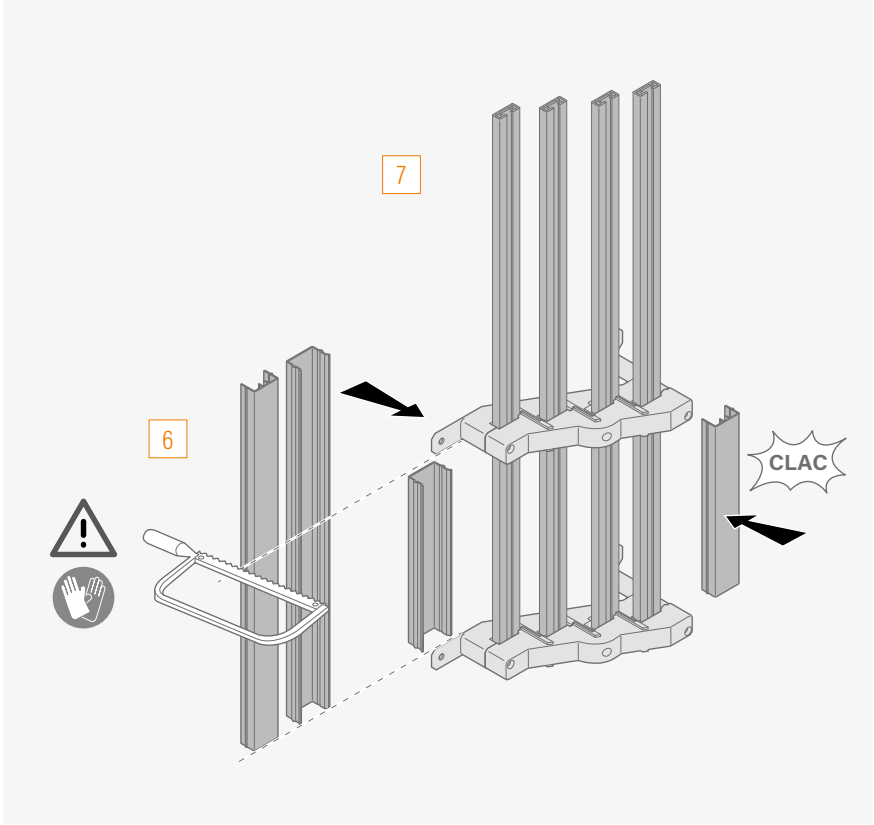
Reference temperature: 35°C	I (A)		I (A)	
	IP ≤ 30	IP > 30	IP ≤ 30	IP > 30
4 044 30	320	250	320	250
4 044 31	500	400	500	400
4 044 32	700	630	700	630

Not compatible with the mounting of tap-off terminals Cat.Nos 4 044 89/90.

		Ipk (kA)											
D (mm)		10	15	20	25	30	35	40	45	50	60	70	80
	4 044 30	1600	1200	800	600	400	350	300	250	250	-	-	-
	4 044 31	1600	1200	800	650	500	450	400	350	300	250	175	100
	4 044 32	1600	1200	800	650	500	450	400	350	300	250	175	100







Please observe the safety instructions p. 2-3

Insulating supports for C-section aluminium busbars (continued)

BUSBAR IN ALIGNED POSITION ≤ 1600 A

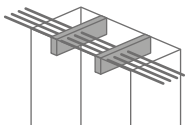
These insulating supports (base, intermediate or floating) allow for vertical, horizontal or transfer mounting of C-section aluminium busbars in an aligned position.
They are compatible with aluminium bars Cat.Nos 0 373 54/55/56/57/58 and must be used with the screw kit Cat.No 3VBAL (to be ordered for each insulating support). Icw up to 70 kA / 1 s

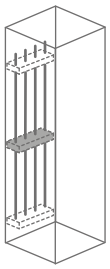
Supports with 75 mm or 125 mm fixing centres are available for mounting in enclosures:
- width 450 mm or depth 400 mm
- width or depth 600 mm
- width or depth 800 mm
- depth 1000 mm
- depth 1200 mm



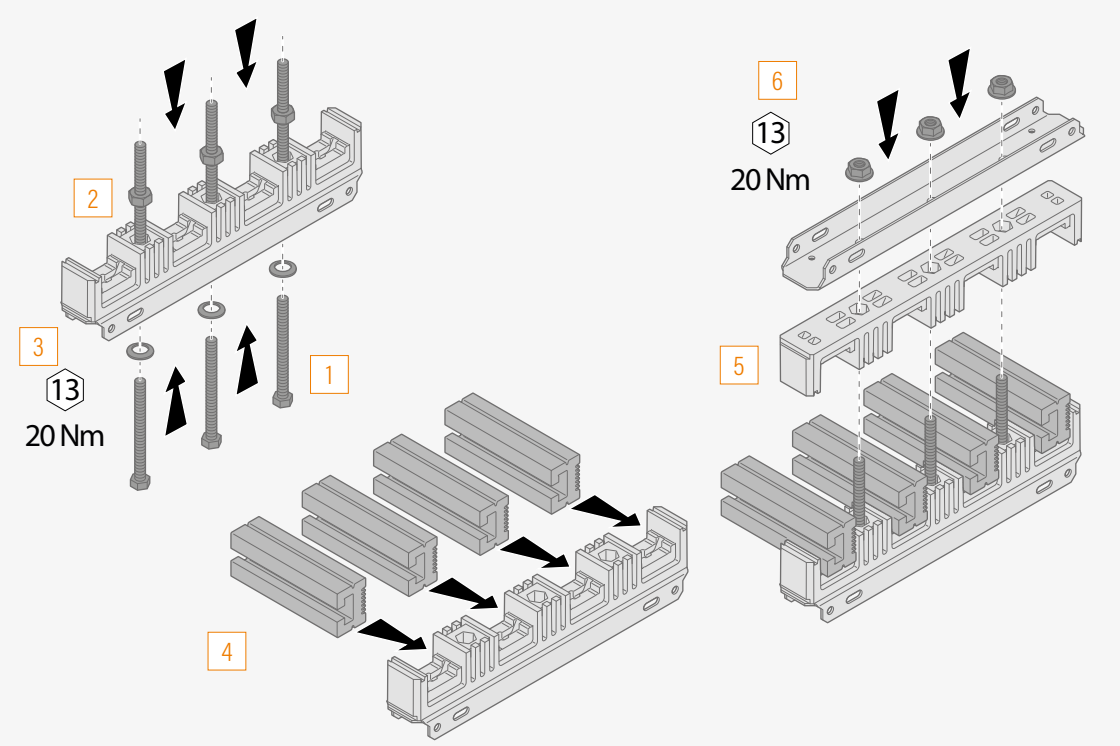
MOUNTING PRINCIPLE FOR THE 3SBADDS075L AND 3SBADDS125L FLOATING SUPPORT

ⓘ Floating supports are insulating supports that do not attach to the enclosure structure but only to the aligned busbars.





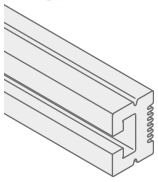
ⓘ The screw kit Cat.No 3VBAL is required for each floating support.



1. Insert the 3 threaded rods with the washers contained in the 3VBAL kit into a support.
2. Tighten the rods with the nuts.
3. Finalize tightening the assembly to 20 Nm.
4. Slide the aluminum bars between the studs of the insulating support.
5. Position the upper part of the insulating support through the threaded rods.
6. Tighten the rods with the washer nuts to 20 Nm.

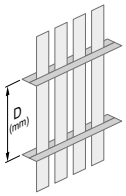
MOUNTING OF INSULATING SUPPORTS

C-SECTION ALUMINIUM BARS



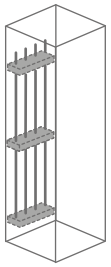
Reference temperature: 35°C	I (A)		I (A)	
	IP ≤ 30	IP > 30	IP ≤ 30	IP > 30
0 373 54	800	630	630	500
0 373 55	1000	800	800	630
0 373 56	1250	1000	1000	800
0 373 57	1450	1250	1250	1000
0 373 58	1750	1600	1400	1250

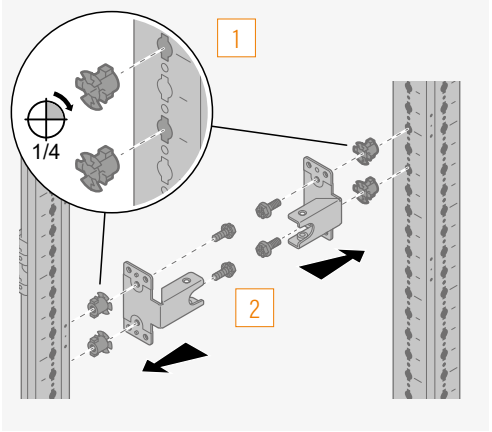
The Cat. No 3VBAL screw kit is required for each support.

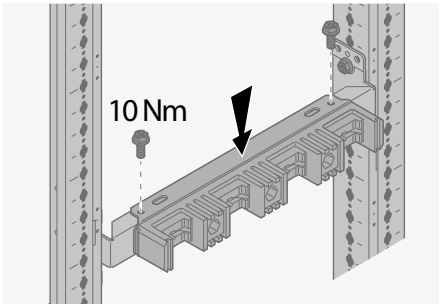


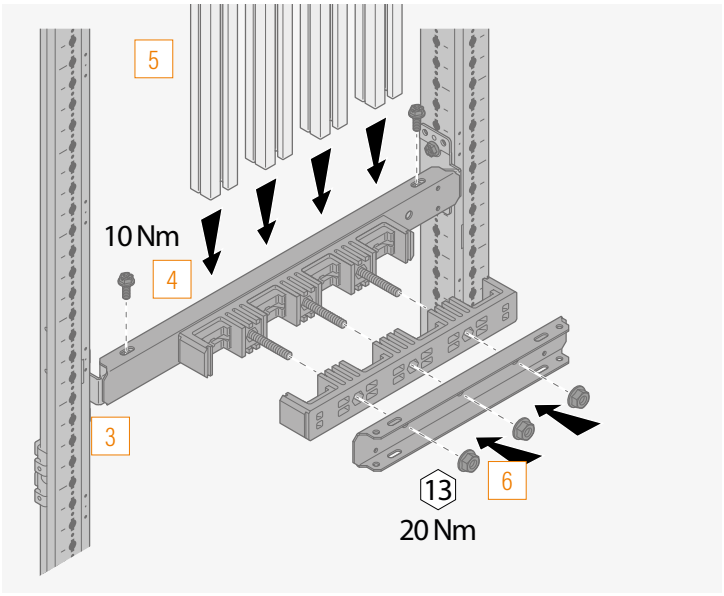
D (MM)	Ipk (kA)									
75 MM FIXING CENTRE	30	40	50	60	70	80	90	100	130	150
0 373 54	1600	1000	800	700	600	600	500	500	-	-
0 373 55	1600	1000	800	700	600	600	500	500	-	-
0 373 56	1600	1000	800	700	600	600	500	500	500	400
0 373 57	1600	1000	800	700	600	600	500	500	500	400
0 373 58	1600	1000	800	700	600	600	500	500	500	400
125 MM FIXING CENTRE	30	40	50	60	70	80	90	100	130	150
0 373 54	1600	1000	800	600	500	500	400	400	-	-
0 373 55	1600	1000	800	600	500	500	400	400	-	-
0 373 56	1600	1000	800	600	500	500	400	400	400	300
0 373 57	1600	1000	800	600	500	500	400	400	400	300
0 373 58	1600	1000	800	600	500	500	400	400	400	300

▪ Mounting at the back of the enclosure









The insulating support Cat.No 3SB040S075L, which allows mounting at the back of enclosure with a width of 450 mm or a depth of 400 mm, requires fixing in the round holes of the insulating support (and not the oblong ones)

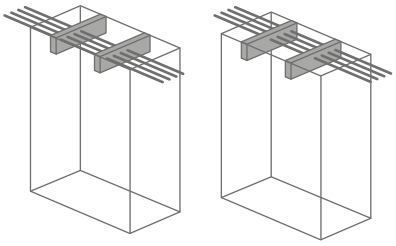
1. Insert 4 cage nuts inside the uprights (2 for each fixing bracket of the insulating support).
2. Fix the 2 fixing lugs using the 4 multi-head screws provided.
3. Position the fixed part of the support (in the oblong holes) on the fixing lugs using the 4 multi-head screws provided. Observe the tightening torque of 10 Nm.
4. Insert the 3 threaded rods with the washers contained in the 3VBAL kit into the fixed part of the insulating support.
5. Pre-tighten the rods with the nuts on the mobile part of the insulating support, and insert the C-section aluminum bars.
6. Finalize fixing the bars to the insulating support by tightening the rods with the washer nuts to 20 Nm on the mobile part of the insulating support.

Mounting the end caps ► p. 61

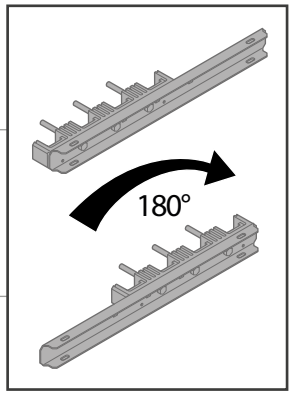
Insulating supports for C-shaped aluminum bars (continued)

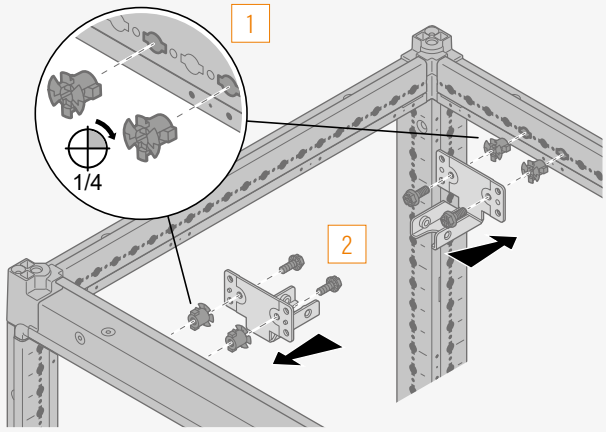
BUSBAR IN ALIGNED POSITION ≤ 1600 A (continued)

- Omnibus mounting (top or bottom)



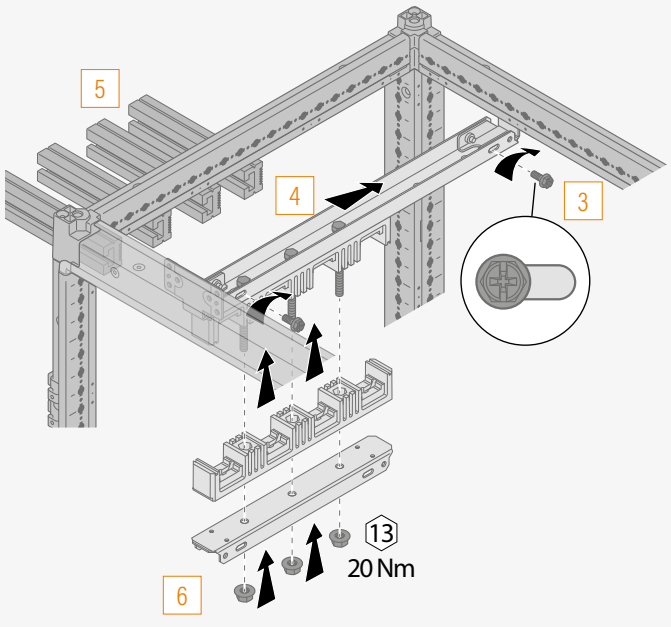
It is possible to rotate the insulating supports 180° to fix the busbar on the right or left side.





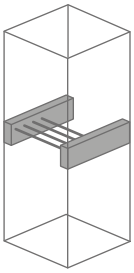
For mounting in the bottom position, the supports must be turned over for fixing the busbar.

1. Insert 4 cage nuts inside the roof support (2 for each fixing lug of the insulating support).
2. Fix the 2 fixing lugs using the 4 multi-head screws provided.

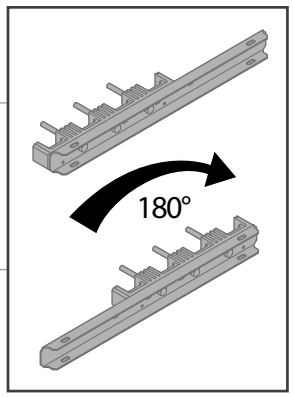


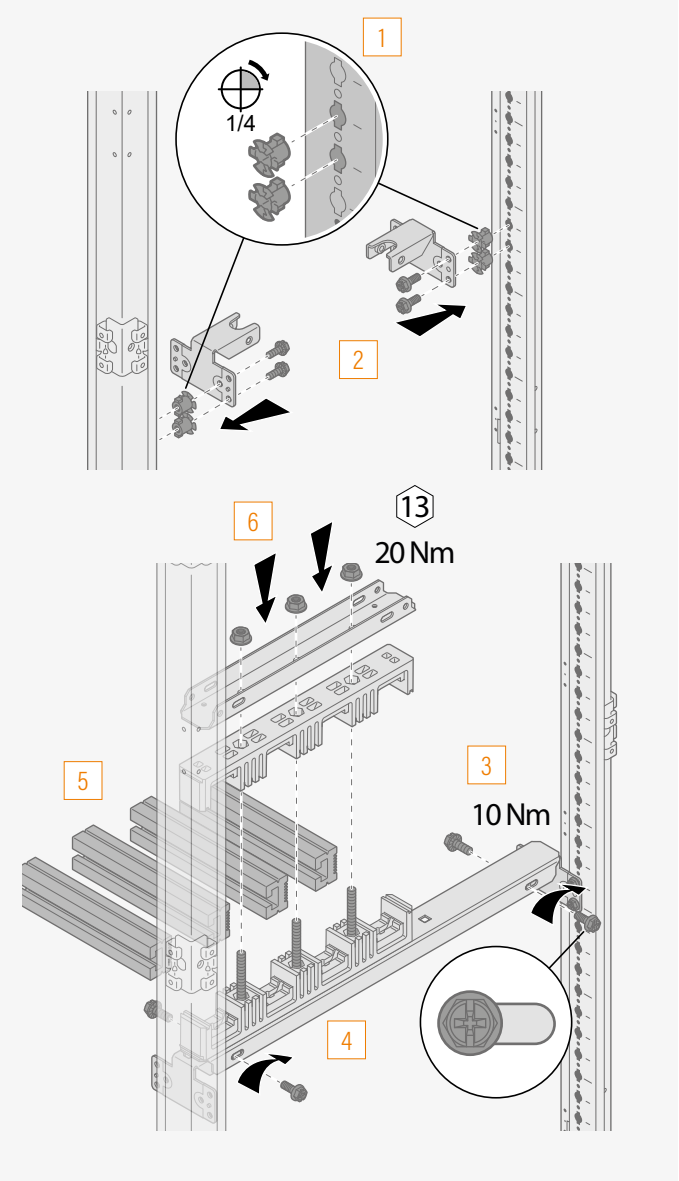
3. Position the fixed part of the support on the fixing lugs and secure it to the lugs using the 4 multi-head screws provided, adjusting if necessary using the oblong holes. Observe the tightening torque of 10 Nm.
4. Insert the 3 threaded rods with the washers contained in the 3VBAL kit into the fixed part of the insulating support.
5. Pre-tighten the rods with the nuts on the mobile part of the insulating support, and insert the C-section aluminum bars.
6. Finalize fixing the bars to the insulating support by tightening the rods with the washer nuts to 20 Nm on the mobile part of the insulating support.

- For transfer busbar



It is possible to rotate the insulating supports 180° to fix the busbar on the right or left side.



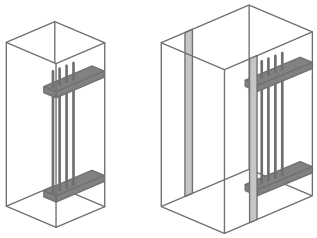


1. Insert 4 cage nuts inside the structural uprights (2 for each fixing lug of the insulating support).
2. Fix the 2 fixing lugs using the 4 multi-head screws provided.
3. Position the fixed part of the support on the fixing lugs and secure it to the lugs using the 4 multi-head screws provided, adjusting if necessary using the oblong holes. Observe the tightening torque of 10 Nm.
4. Insert the 3 threaded rods with the washers contained in the 3VBAL kit into the fixed part of the insulating support.
5. Pre-tighten the rods with the nuts on the mobile part of the insulating support, and insert the C-section aluminum bars.
6. Finalize fixing the bars to the insulating support by tightening the rods with the washer nuts to 20 Nm on the mobile part of the insulating support.

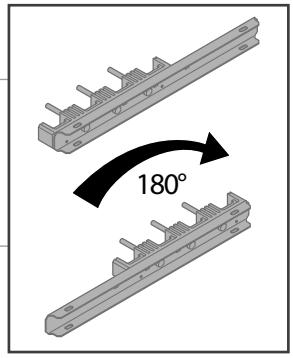
Insulating supports for C-section aluminum bars (continued)

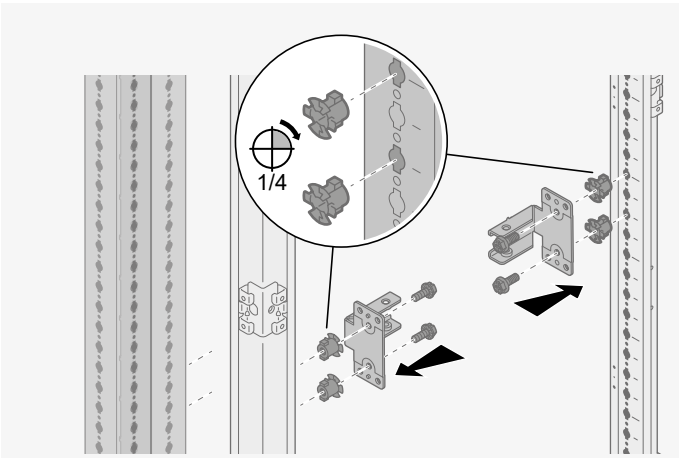
BUSBAR IN ALIGNED POSITION ≤ 1600 A (continued)

- Mounting behind structural uprights or reinforced uprights Cat.No 3PRA...



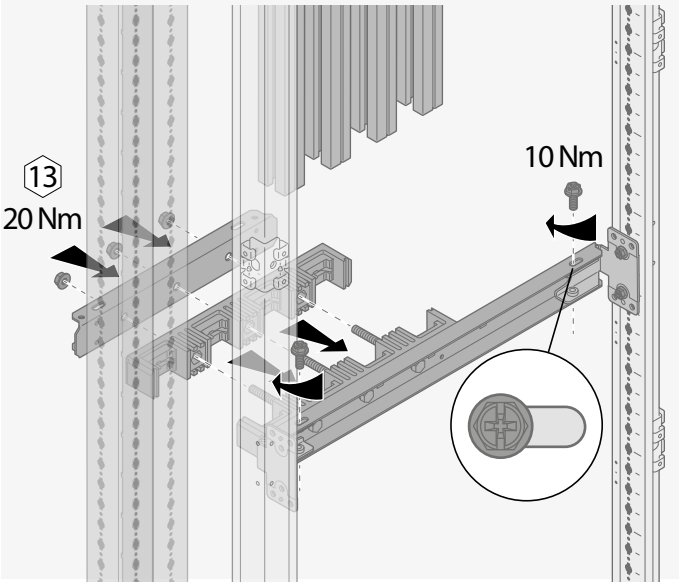
It is possible to rotate the insulating supports 180° to fix the busbar on the right or left side.





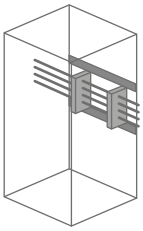
The width between the reinforced uprights must be 300, 500, or 700 mm.

1. Insert 4 cage nuts on the structural uprights or reinforced uprights Cat.No 3PRA... (2 for each fixing lug of the insulating support).
2. Fix the 2 fixing lugs using the 4 multi-head screws provided.

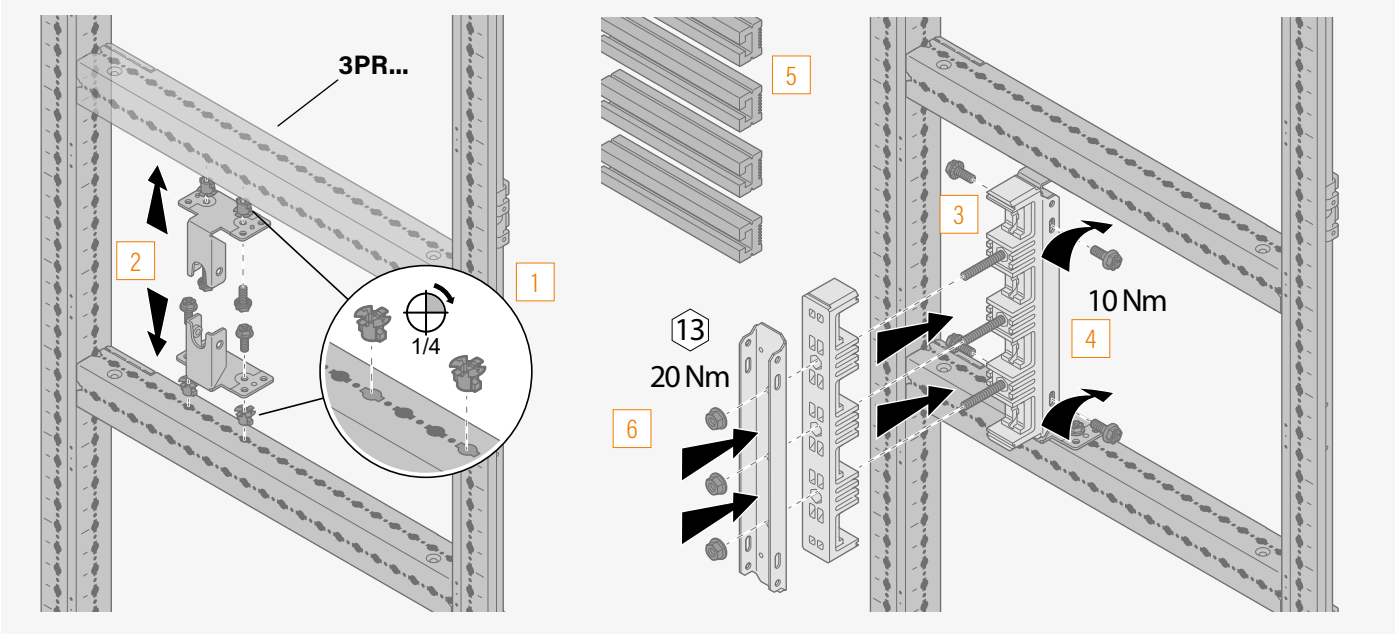


3. Position the fixed part of the support on the fixing lugs and secure it to the lugs using the 4 multi-head screws provided, adjusting if necessary using the oblong holes. Observe the tightening torque of 10 Nm.
4. Insert the 3 threaded rods with the washers contained in the 3VBAL kit into the fixed part of the insulating support.
5. Pre-tighten the rods with the nuts on the mobile part of the insulating support, and insert the C-section aluminum bars.
6. Finalize fixing the bars to the insulating support by tightening the rods with the washer nuts to 20 Nm on the mobile part of the insulating support.

- For transfer busbar at the back of the enclosure

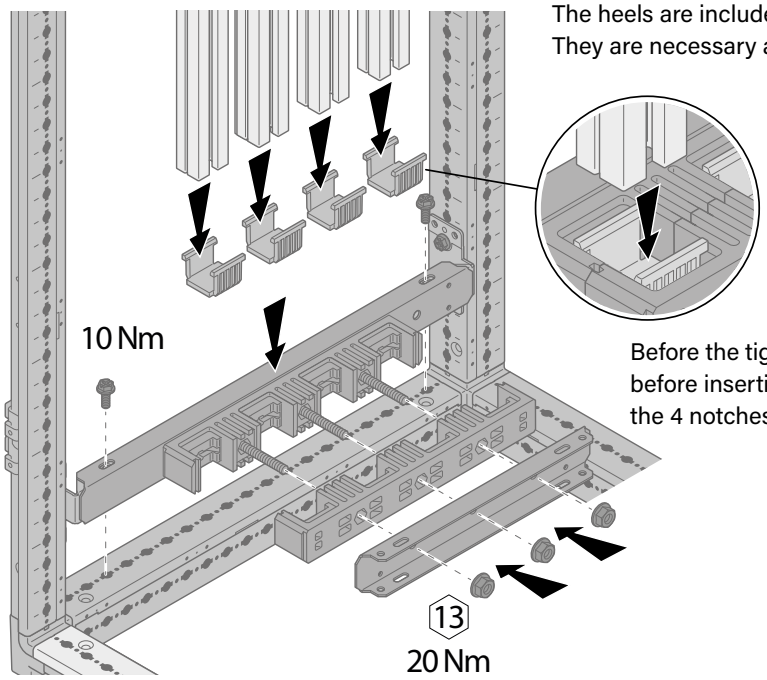


⚠ Possible only with support Cat.Nos 3SB040S075L and 3SB060S125L



1. Insert 4 cage nuts on the mounting profiles Cat.No 3PR... (2 for each fixing lug of the insulating support).
2. Fix the 2 fixing lugs using the 4 multi-head screws provided.
3. Position the fixed part of the support on the fixing lugs using the 4 multi-head screws provided. Observe the tightening torque of 10 Nm.
4. Insert the 3 threaded rods with the washers contained in the kit Cat.Nos 3VBAL into the fixed part of the insulating support.
5. Pre-tighten the rods with the nuts on the mobile part of the insulating support, and insert the C-section aluminum bars.
6. Finalize fixing the bars to the insulating support by tightening the rods with the washer nuts to 20 Nm on the mobile part of the insulating support.

MOUNTING OF HEELS ON INSULATING SUPPORTS



The heels are included in the screw kit Cat.No 3VBAL.
They are necessary at each end of the vertical busbar set.

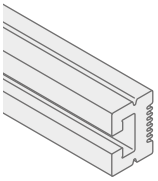
Before the tightening step of the fixed and mobile support part and before inserting the bars, position the heels before final tightening in the 4 notches provided for this purpose.

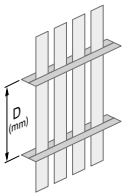
Insulating supports for C-section aluminum bars (continued)

BUSBAR SET IN OFFSET POSITION ≤ 1600 A

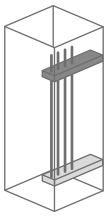
These insulating supports (heel or intermediate) allow for the vertical mounting of C-shaped aluminum busbars in an offset position. They are compatible with aluminum bars Cat.Nos 0 373 54/55/56/57/58. Icw up to 70 kA / 1 s.

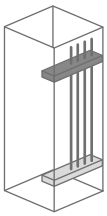
Supports with 75 mm or 125 mm fixing centres are available for mounting in enclosures:
- width 450 mm or depth 400 mm
- width or depth 600 mm
- width or depth 800 mm
- depth 1000 mm
- depth 1200 mm

C-SECTION ALUMINUM BARS	Reference temperature: 35°C	I (A)		I (A)	
		IP ≤ 30	IP > 30	IP ≤ 30	IP > 30
	0 373 54	800	630	630	500
	0 373 55	1000	800	800	630
	0 373 56	1250	1000	1000	800
	0 373 57	1450	1250	1250	1000
	0 373 58	1750	1600	1400	1250

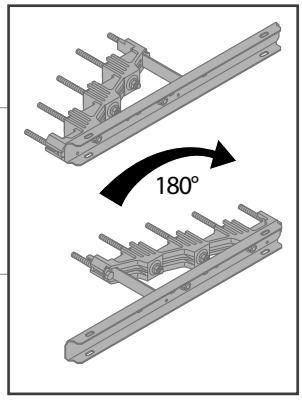
D (MM)		Ipk (kA)									
	75 MM FIXING CENTRE	30	40	50	60	70	80	90	100	130	150
	0 373 54	1600	1000	800	700	600	600	500	500	-	-
	0 373 55	1600	1000	800	700	600	600	500	500	-	-
	0 373 56	1600	1000	800	700	600	600	500	500	500	400
	0 373 57	1600	1000	800	700	600	600	500	500	500	400
	0 373 58	1600	1000	800	700	600	600	500	500	500	400
	125 MM FIXING CENTRE	30	40	50	60	70	80	90	100	130	150
	0 373 54	1600	1000	800	600	500	500	400	400	-	-
	0 373 55	1600	1000	800	600	500	500	400	400	-	-
	0 373 56	1600	1000	800	600	500	500	400	400	400	300
	0 373 57	1600	1000	800	600	500	500	400	400	400	300
	0 373 58	1600	1000	800	600	500	500	400	400	400	300

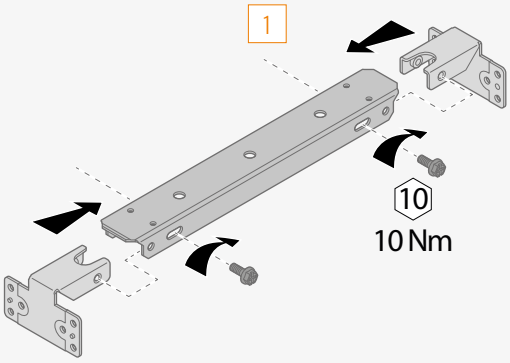
INSULATING SUPPORT ASSEMBLY

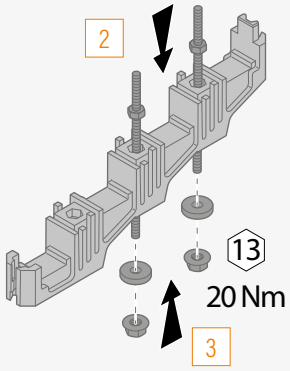


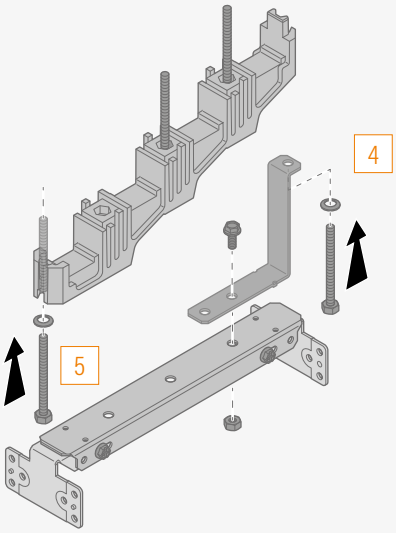


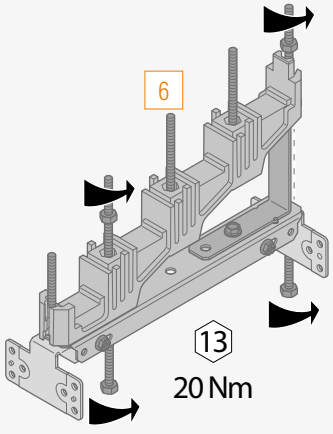
It is possible to rotate the insulating supports 180° to fix the busbar set on the right or left side.







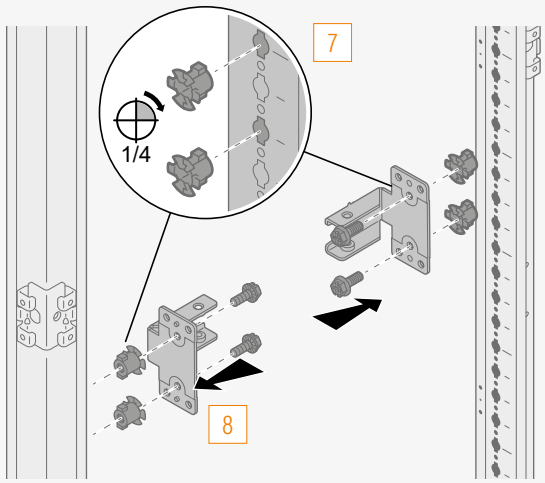




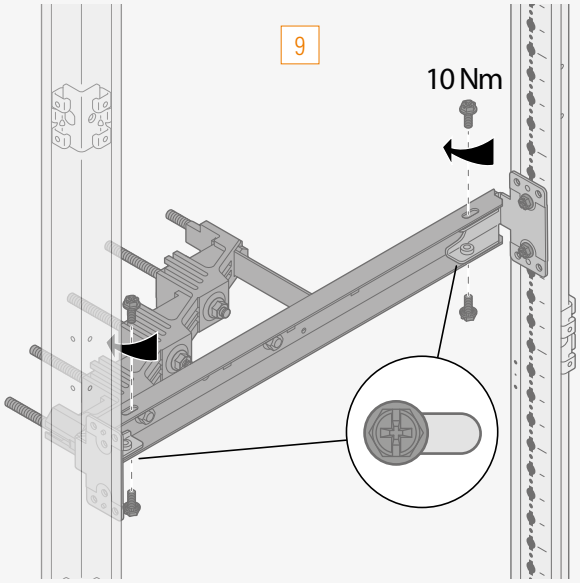
1. Position the metal support on the brackets and fix the assembly using the 4 multi-head screws provided. Observe the tightening torque of 10 Nm.
2. Insert the 2 threaded rods with a height of 90 mm into the upper studs of the support and fix them from underneath with the washer nuts. Observe the tightening torque of 20 Nm.
3. Lock these 2 threaded rods with a nut.
4. Fix the bracket to the metal support using a multi-head screw and a nut.
5. Fix the lower part of the insulating support to the metal support by inserting the 2 threaded rods with a height of 140 mm at the 2 ends.
6. Finalize the fixing of the lower part of the insulating support to the metal support by
   - inserting the 140 mm high threaded rod into the last available stud and fixing it from underneath with a washer nut, at 20 Nm.
   - locking these 2 threaded rods with a nut.

Insulating supports for C-section aluminum bars (continued)

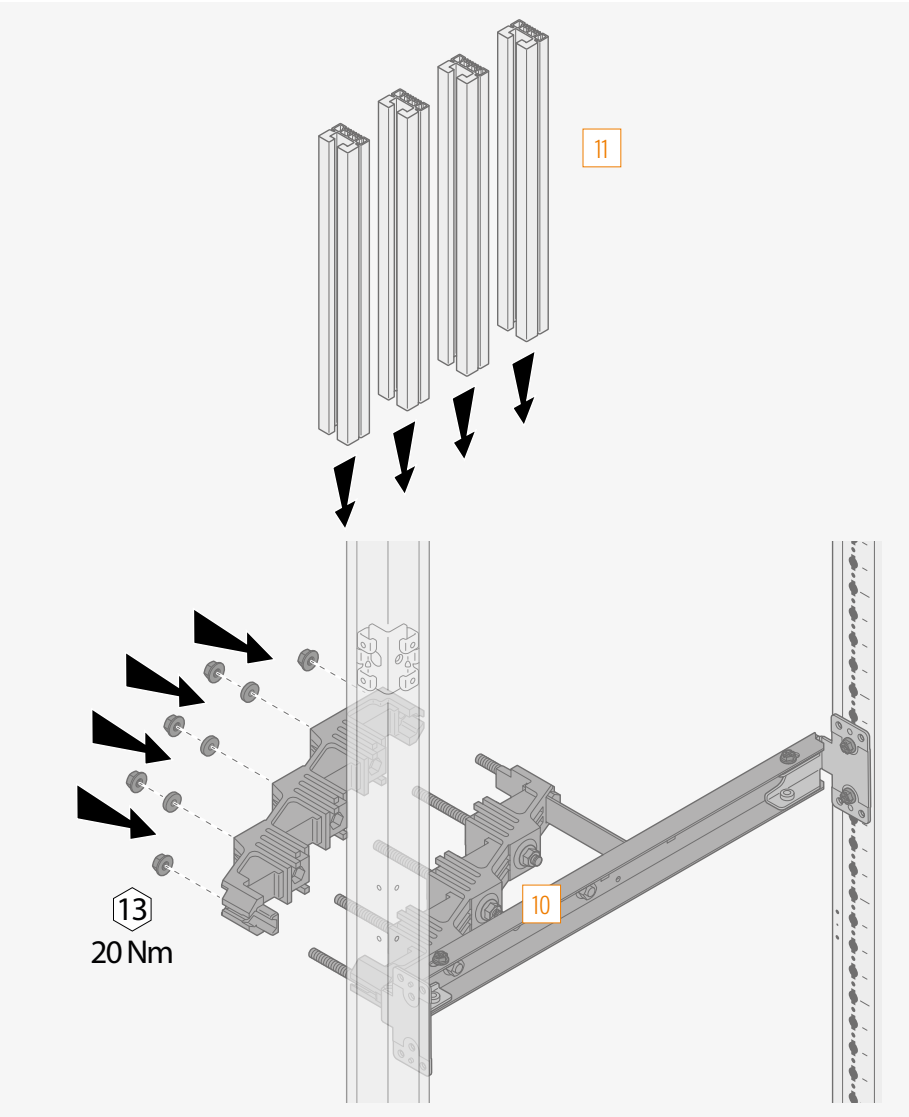
BUSBAR SET IN OFFSET POSITION ≤ 1600 A (CONTINUED)



7. Insert 4 cage nuts onto the structural uprights (2 for each fixing lug of the insulating support).
8. Fix the 2 fixing lugs using the 4 multi-head screws provided.



9. Position the fixed part of the support on the fixing lugs and fix it to the lugs using the 4 multi-head screws provided, adjusting if necessary using the oblong holes. Observe the tightening torque of 10 Nm.

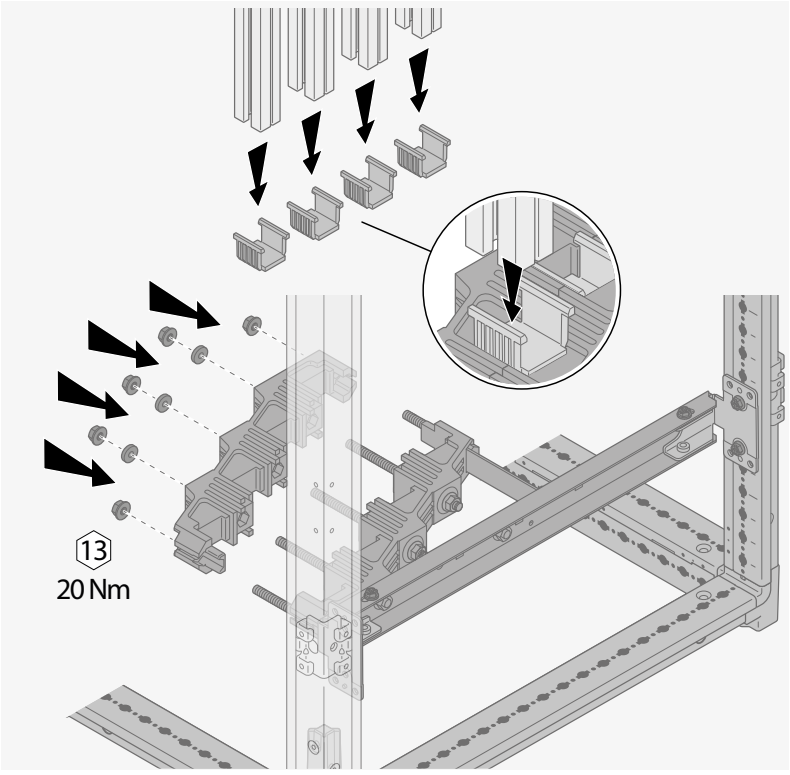


10. Insert the upper part of the insulating support onto the threaded rods and pre-tighten the rods with the nuts on the upper part of the insulating support (nuts with washers on the intermediate studs of the support)
11. Insert the C-shaped aluminum bars and finalize the fixing of the bars on the insulating support by tightening the rods with the nuts to 20 Nm on the mobile part of the insulating support.

MOUNTING OF HEELS ON INSULATING SUPPORTS

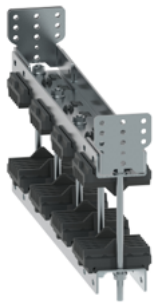
Heel supports are provided with the insulating supports. They are necessary at each end of a vertical busbar set.

Before the tightening step of the fixed and mobile support part and before inserting the bars, position the heels before final tightening in the 4 notches provided for this purpose.



Insulating supports for C-section aluminum bars (continued)

BUSBAR IN ALIGNED POSITION FROM 2000 A TO 4700 A (if IP ≤ 30) / 1600 A to 4500 A (if IP > 30)



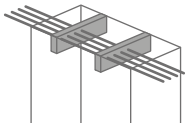


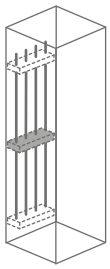
These insulating supports (heel, intermediate, or floating) allow for vertical, horizontal, or transfer mounting of C-shaped aluminum busbars in an aligned position.
They are compatible with aluminum bars Cat.Nos 3BAL250180, 3BAL320180 (does not require a screw kit) and Cat.Nos 3BAL400180, 3BAL600180, which are to be associated with the screw kit Cat.No 3VB200 (to be ordered for each insulating support).

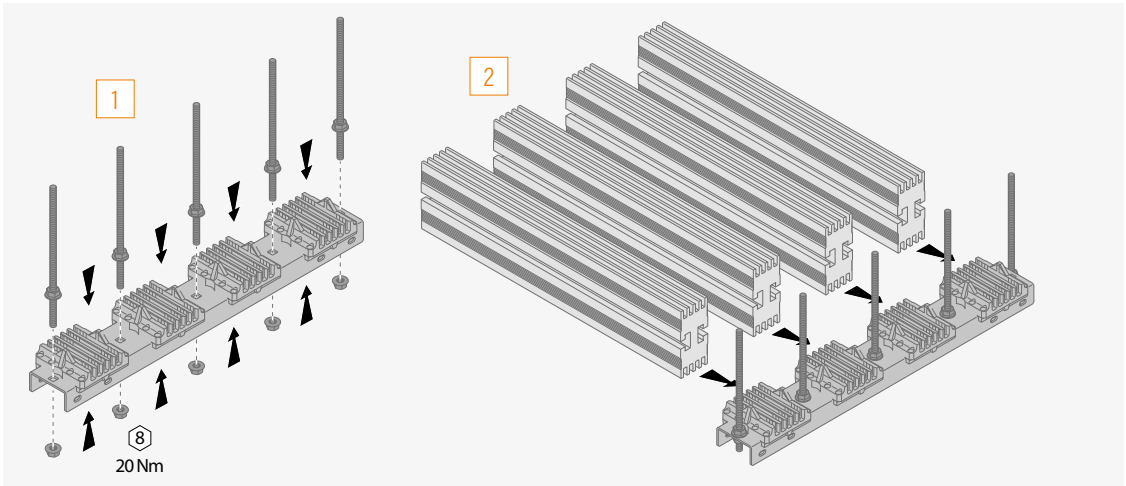
The fixing centre of the supports is 125 mm for mounting in enclosures:
- width or depth 600 mm: Cat.No. 3SB060S125LH1
- width or depth 1000 mm: Cat.No 3SB100S125LH1
- width or depth 1200 mm: Cat.No 3SB120S125LH1

ASSEMBLY PRINCIPLE FOR FLOATING SUPPORT CAT.NO 3SBADDS125LH1

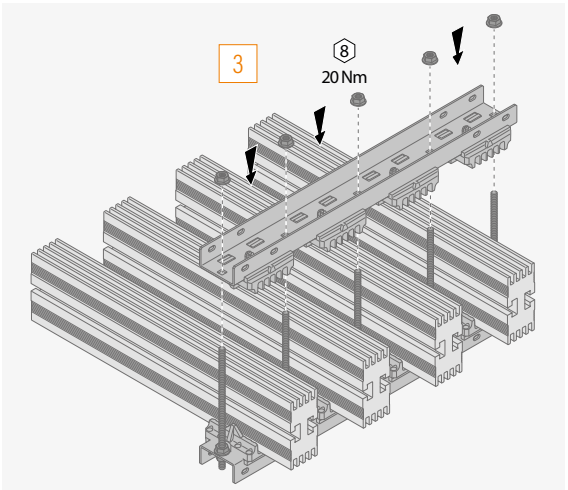
Floating supports are insulating supports that do not attach to the enclosure structure but only to the aligned busbars.







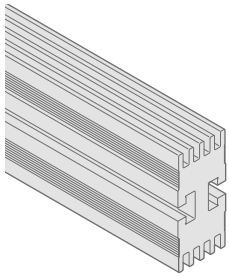
The screw kit Cat.No 3VB200 is necessary depending on the aluminum bars to be mounted (see above). In this case, use the threaded rods from this kit and do not use those delivered with the insulating support.



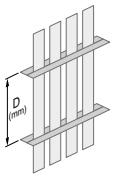
1. Insert the 5 threaded rods and lock them with the 2 washer nuts supplied on each side of the support. Observe the tightening torque of 20 Nm.
2. Slide the aluminum bars between the studs of the insulating support.
3. Position the upper part of the insulating support through the threaded rods and tighten them with the nut-washers to 20 Nm.

MOUNTING OF INSULATING SUPPORTS

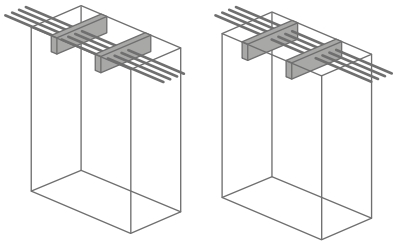
ALUMINUM BARS



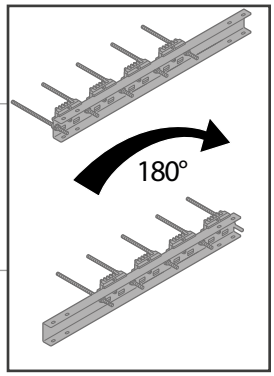
Reference temperature: 35°C	I (A)		I (A)	
	IP ≤ 30	IP > 30	IP ≤ 30	IP > 30
3BAL250180	2500	2000	2000	1600
3BAL320180	3200	2500	2560	2000
3BAL400180	4000	3700	3200	2560
3BAL600180	4700	4500	3760	3600

D (mm)		Ipk (kA)												
		10	20	30	40	50	60	70	80	90	100	110	130	150	220
	3BAL250180	1300	1200	1100	1000	875	800	700	675	600	550	500	400	350	250
	3BAL320180	1300	1200	1100	1000	900	850	775	725	675	625	575	475	400	275
	3BAL400180	1300	1200	1100	1000	900	850	800	750	700	675	600	500	430	400
	3BAL600180	1300	1200	1100	1000	900	850	800	750	700	675	600	500	430	400

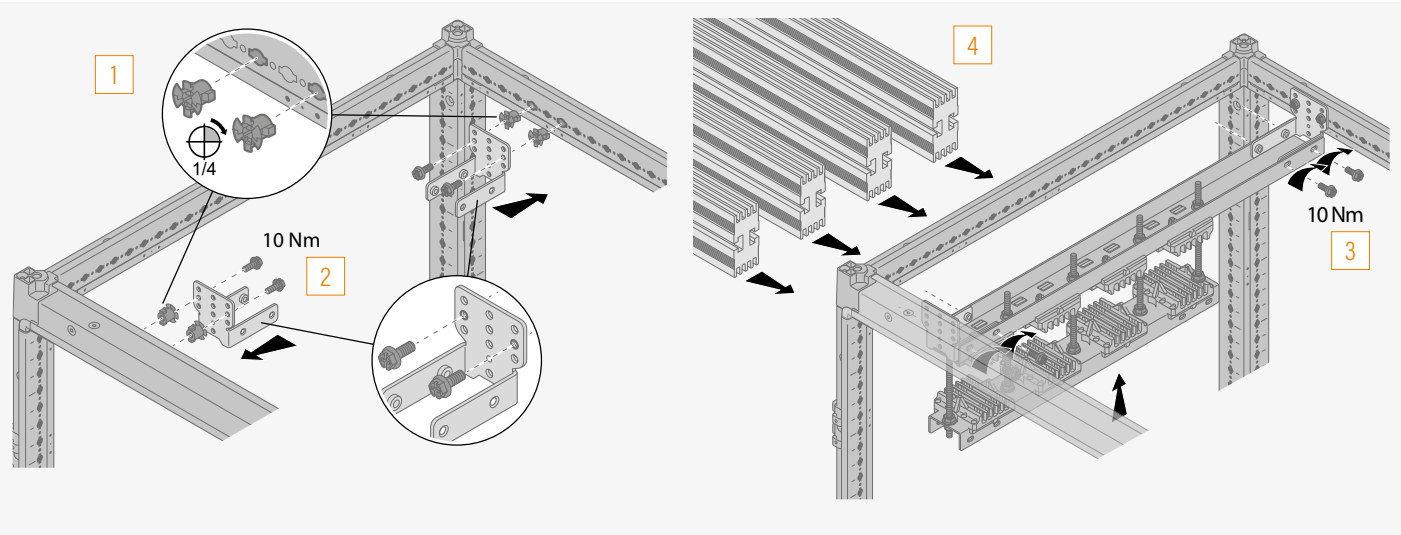
- Omnibus mounting (top or bottom)



It is possible to rotate the insulating supports 180° to fix the busbar on the right or left side.



For mounting in the bottom position, the supports must be turned over for fixing the busbar.

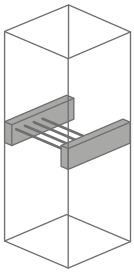


1. Insert 4 cage nuts inside the roof support (2 for each fixing lug of the insulating support).
2. Fix the 2 fixing lugs using the 4 multi-head screws provided.
3. Fix the support using the 8 multi-head screws provided on the fixing lugs. Observe the tightening torque of 10 Nm.
4. Insert the aluminum bars and finalize the fixing of the insulating support by following the same assembly as for the floating support p. 66

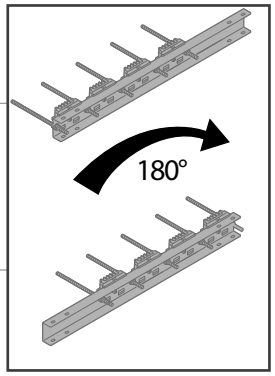
Insulating supports for C-section aluminum bars (continued)

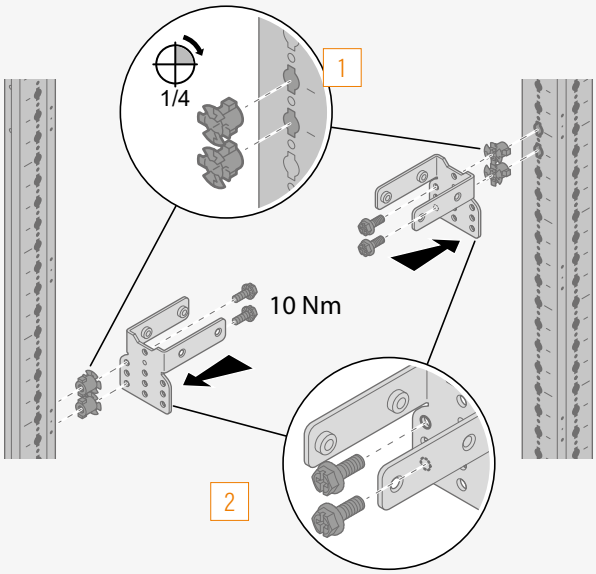
BUSBAR IN ALIGNED POSITION FROM 2000 A TO 4700 A (if IP ≤ 30) / 1600 A to 4500 A (if IP > 30) (continued)

- For transfer busbar

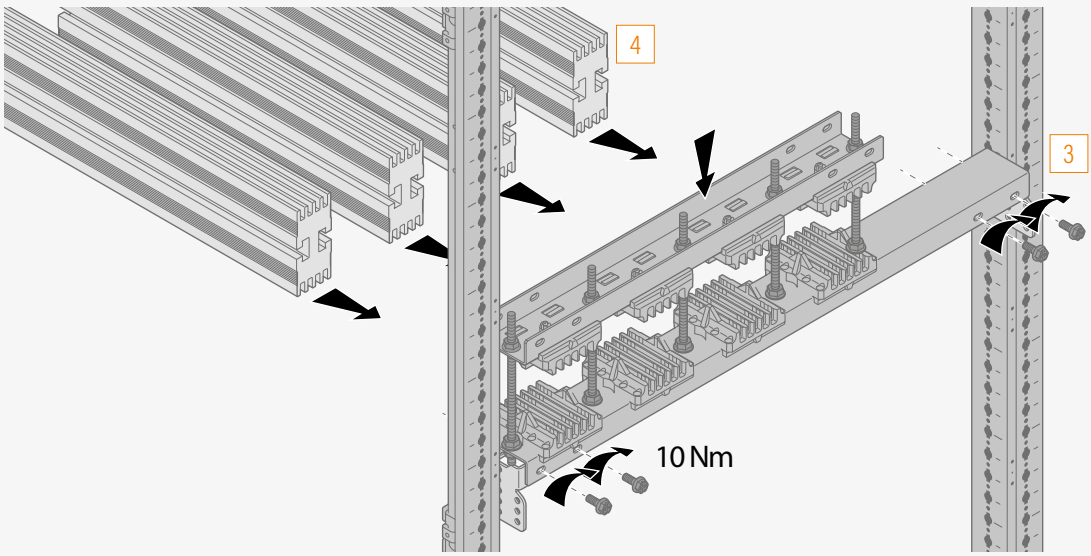


It is possible to rotate the insulating supports 180° to fix the busbar on the right or left side.

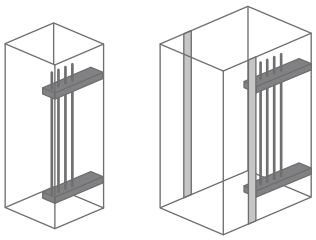




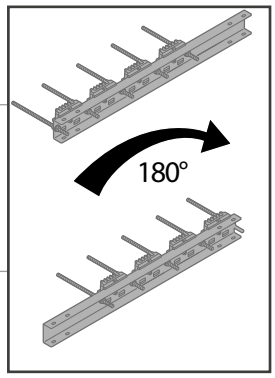
1. Insert 4 cage nuts inside the structural uprights (2 for each fixing bracket of the insulating support).
2. Fix the 2 fixing lugs using the 4 multi-head screws provided.
3. Fix the support using the 8 multi-head screws provided on the fixing lugs. Observe the tightening torque of 10 Nm.
4. Insert the aluminum bars and finalize the fixing of the insulating support by following the same assembly as for the floating support p. 66

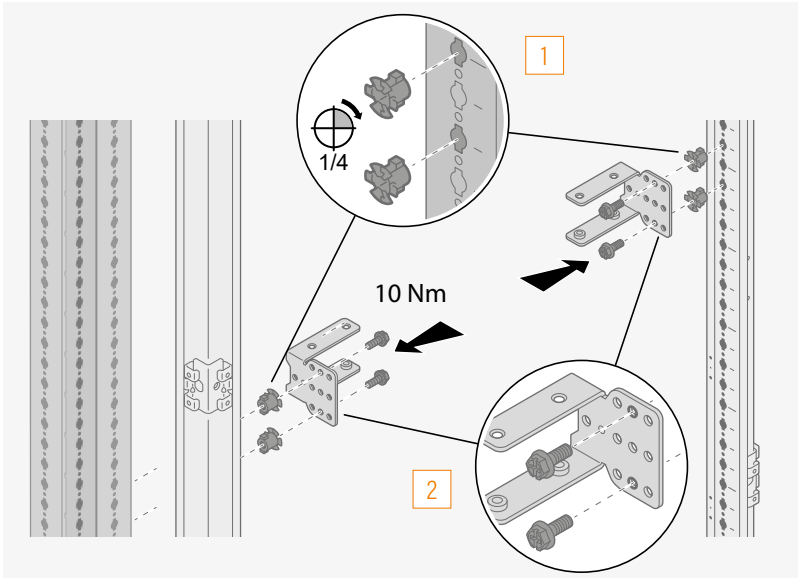


- Mounting behind structural uprights or reinforced uprights Cat.No 3PRA...



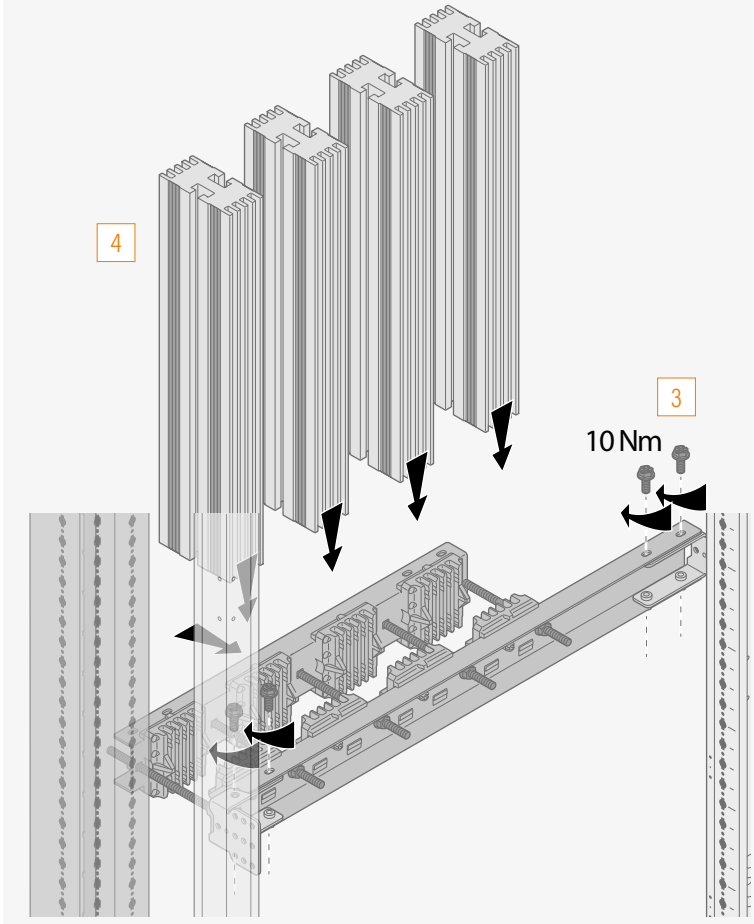
It is possible to rotate the insulating supports 180° to fix the busbar on the right or left side.





The width between the reinforced uprights must be 500 or 700 mm

1. Insert 4 cage nuts onto the structural uprights or reinforced uprights Cat.No 3PRA... (2 for each fixing bracket of the insulating support).
2. Fix the 2 fixing lugs using the 4 multi-head screws provided.

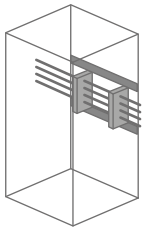


3. Fix the support using the 8 multi-head screws provided on the fixing lugs. Observe the tightening torque of 10 Nm.
4. Insert the aluminum bars and finalize the fixing of the insulating support by following the same assembly as for the floating support p. 66

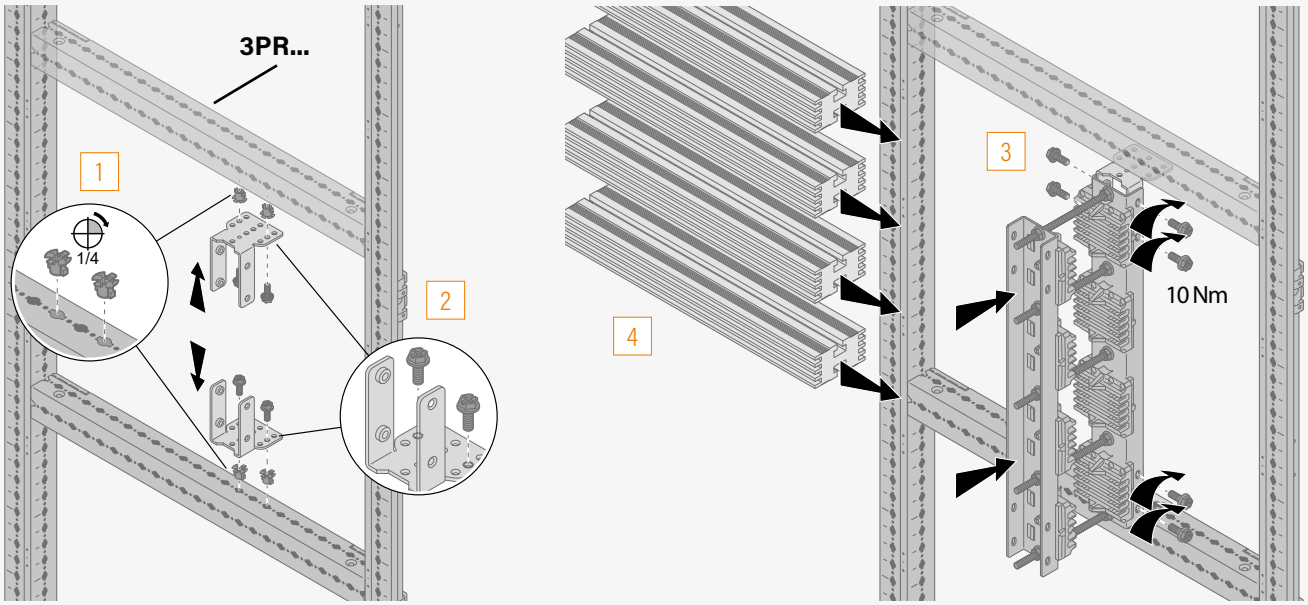
Insulating supports for C-section aluminum bars (continued)

BUSBAR IN ALIGNED POSITION FROM 2000 A TO 4700 A (if IP ≤ 30) / 1600 A to 4500 A (if IP > 30) (continued)

- For transfer busbar at the back of the enclosure



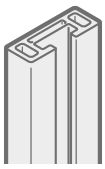
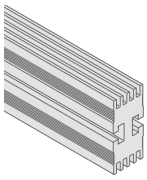
⚠ Possible only with support Cat.No SB060S125LH1

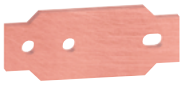


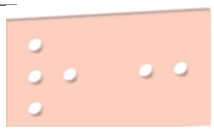
1. Insert 4 cage nuts onto the mounting profiles Cat.No 3PR... (2 for each fixing lug of the insulating support) at a height distance of 500 mm.
2. Fix the 2 fixing lugs using the 4 multi-head screws provided.
3. Fix the support using the 8 multi-head screws provided on the fixing lugs. Observe the tightening torque of 10 Nm.
4. Insert the aluminum bars and finalize the fixing of the insulating support by following the same assembly as for the floating support p. 66

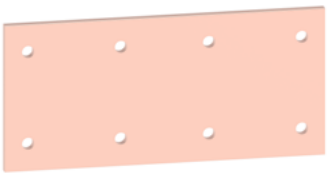
CONNECTION KITS

Connection kits allow for the extension of a horizontal or vertical aluminum busbar set of the same cross-section.
They ensure optimal electrical and mechanical continuity, allowing connections without loss of performance.

C-SECTION ALUMINUM BARS		I (A) IP > 30	I (A) IP ≤ 30	COMPATIBLE CONNECTION KIT CAT.NOS
0 373 54		630	800	3KCAL1
0 373 55		800	1000	
0 373 56		1000	1250	
0 373 57		1250	1450	
0 373 58		1600	1750	
3BAL250180		2000	2500 (1)	3KCAL2
3BAL320180		2500 (1)	3200 (1)	
3BAL400180		3700 (1)	4000 (1)	3KCAL3
3BAL600180		4500 (1)	5000 (1)	







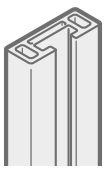
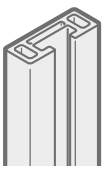
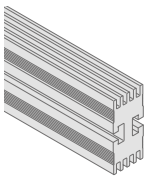
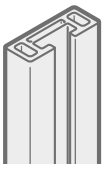
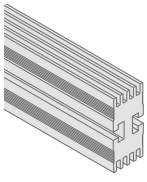
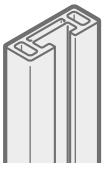
It is recommended to pre-position the connection kits on the bars before proceeding with their installation in the insulating supports.

(1) Requires 2 connection kits per busbar if I > 2000 A.

VERTICAL BUSBAR CONNECTION KIT

Connection kits allow for the connection of a horizontal and vertical aluminum busbar with the same or different fixing centres.
They ensure optimal electrical and mechanical continuity, allowing connections without loss of performance.



HORIZONTAL BUSBAR		I (A) IP > 30	FIXING CENTRE	VERTICAL BUSBAR		I (A) IP > 30	FIXING CENTRE	CONNECTION KIT CAT.NO. COMPATIBLE
0 373 54		630	75 mm	0 373 54		630	75 mm	3KCALXX
0 373 55		800		0 373 55		800		
0 373 56		1000		0 373 56		1000		
0 373 57		1250		0 373 57		1250		
0 373 58		1600		0 373 58		1600		
3BAL250180		2000	125 mm	0 373 54		630	75 mm	3KBALH1AL075
3BAL320180		2500		0 373 55		800		
3BAL400180		3700		0 373 56		1000		
3BAL600180		4500		0 373 57		1250		
				0 373 58		1600		
3BAL250180		2000	125 mm	0 373 54		630	125 mm	3KBALH1AL125
3BAL320180		2500		0 373 55		800		
3BAL400180		3700		0 373 56		1000		
3BAL600180		4500		0 373 57		1250		
				0 373 58		1600		

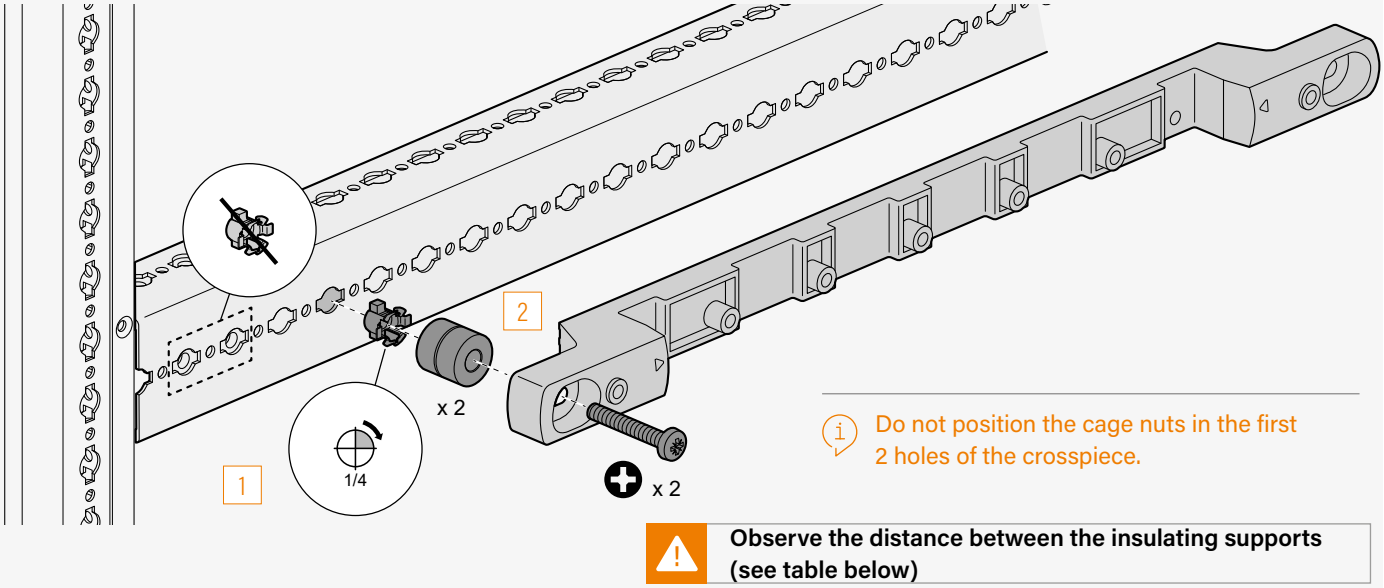
Insulating supports for flat copper busbars

BUSBAR IN ALIGNED POSITION ≤ 400 A

The insulating supports Cat.No 0SBXX400CU allow for the mounting of flat copper busbars in an aligned vertical position on crosspieces Cat.No 3PR...
These supports are compatible with flat copper bars 18x4 mm, 25x5 mm, and 32x5 mm.

Cat.No 0SBXX400CU: mounting on crosspieces

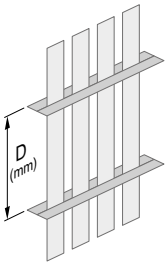




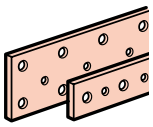
Do not position the cage nuts in the first 2 holes of the crosspiece.

Observe the distance between the insulating supports (see table below)

1. Insert the cage nuts onto the crosspiece.
2. Secure the support using the end caps, with the provided screws.

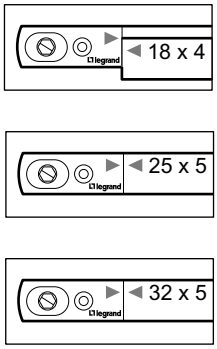


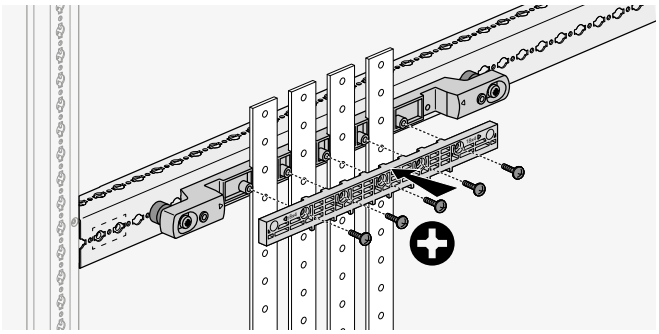
Ipk (kA)	D (mm)		
	0 374 34 (18 x 4 mm)	0 374 18 (25 x 5 mm)	0 374 19 (32 x 5 mm)
10	700	1300	1500
15	650	1000	1000
20	500	750	900
25	450	600	700
30	375	500	600
40	275	375	450
50	225	300	350
60	175	250	300
70	150	200	250
80	-	150	250

FLAT COPPER BARS	Reference temperature: 35°C	I (A)	
		IP ≤ 30	IP > 30
	0 374 34 (18 x 4 mm)	245	200
	0 374 18 (25 x 5 mm)	330	270
	0 374 19 (32 x 5 mm)	450	400

Mounting flat copper bars

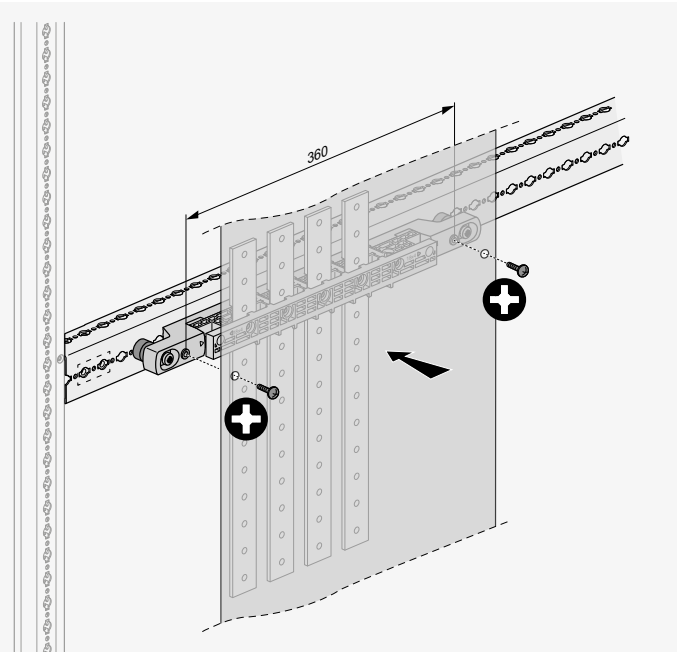
Depending on the cross-section of the bars to be installed, the front part of the support must be rotated to respect these positions:





1. Slide the flat copper bars into the insulating supports.
2. Screw the upper part back on using the supplied screws.

Mounting a cover for bar insulation



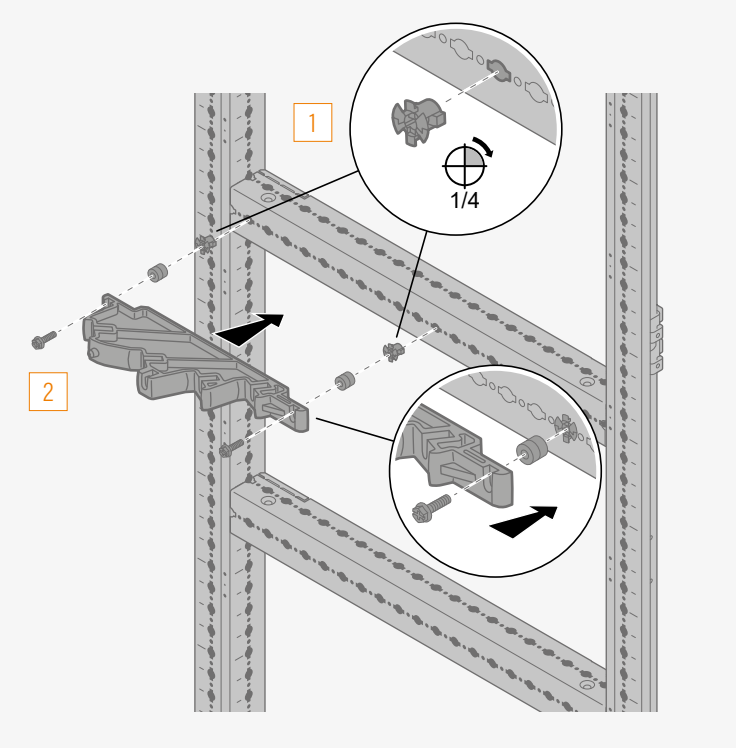
If necessary, a cover can be installed to restrict access to the copper bars.
The support is equipped with 2 mounting holes with a 360 mm fixing centre provided for this purpose (screws supplied).

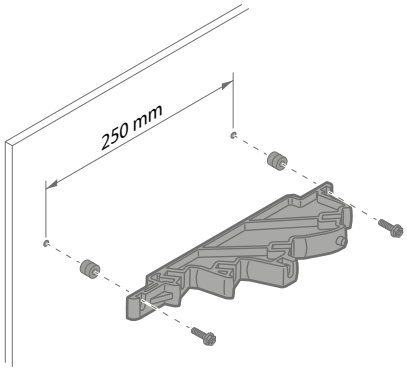
It is also possible to insulate the flat copper bars with the profile Cat.No 0 373 11 (p. 75)

Insulating supports for flat copper busbars (continued)

BUSBAR IN INCLINED POSITION ≤ 400 A

The insulating supports Cat.No 0SBDXX400CU allow the mounting of flat copper busbars in an inclined position vertically or horizontally on crosspieces Cat.No 3PR...
These supports are compatible with flat copper bars 18x4 mm, 25x4 mm, 25x5 mm and 32x5 mm.

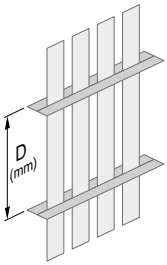




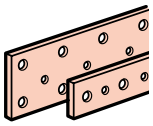
The fixing centre of the support is 250 mm

1. Insert the cage nuts onto the crosspiece.
2. Fix the support using the end pieces, with the 2 M6x40 screws supplied.

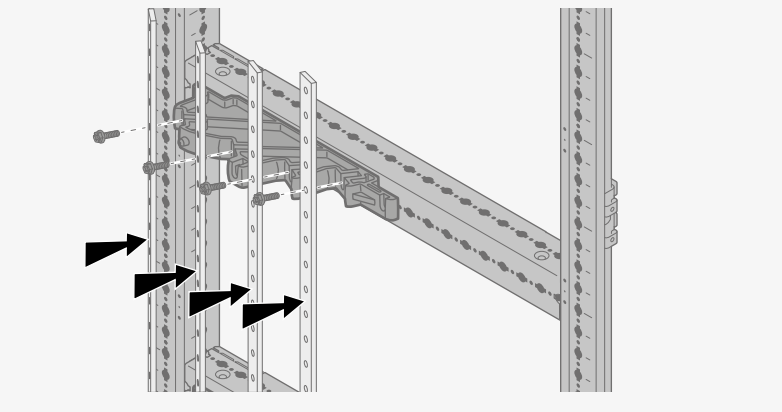
Observe the distance between the insulating supports (see table below)



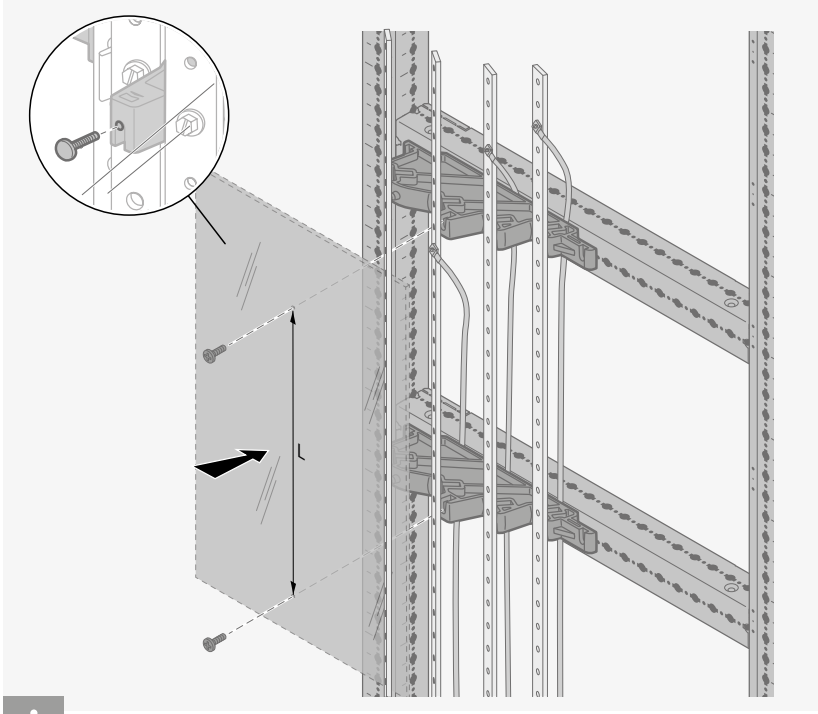
Ipk (kA)	D (mm)			
	0 374 34 (18 x 4 mm)	0 374 38 (25 x 4 mm)	0 374 18 (25 x 5 mm)	0 374 19 (32 x 5 mm)
10	550	650	800	900
15	400	600	700	800
20	300	450	550	700
25	250	350	400	500
30	200	300	350	400
35	150	250	300	350
40	150	200	300	300
45	-	150	200	200
50	-	150	175	100
55	-	100	150	100
60	-	-	150	-

FLAT COPPER BARS	Reference temperature: 35°C	I (A)		I (A)	
		IP ≤ 30	IP > 30	IP ≤ 30	IP > 30
	0 374 34 (18 x 4 mm)	245	200	245	200
	0 374 38 (25 x 4 mm)	280	250	280	250
	0 374 18 (25 x 5 mm)	330	270	330	270
	0 374 19 (32 x 5 mm)	450	400	450	400

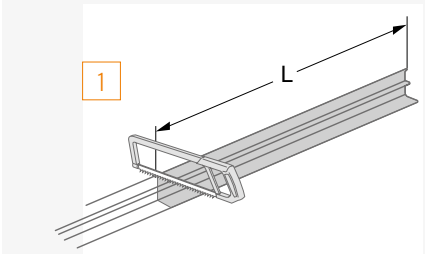
Mounting flat copper bars

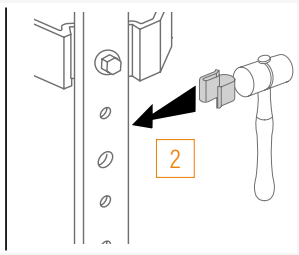


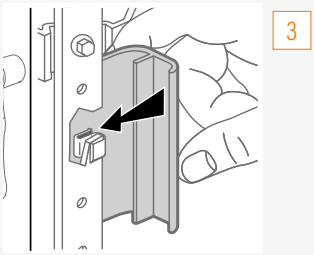
Fix the flat copper bars to the insulating support using the supplied M6x20 screws



Mounting profile Cat.No 0 373 11 for bar insulation



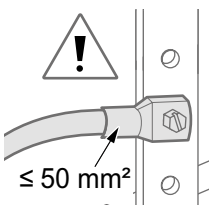




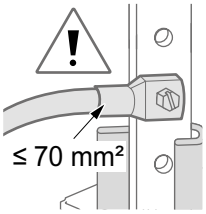
1. Cut the profile Cat.No 0 373 11 to the necessary length between the insulating supports.
2. Position the support on the flat copper bar.
3. Clip the profile Cat.No 0 373 11 onto the flat copper bar.

Lugs for connection on copper bars:

In the case of an installation without insulating profile Cat.No 0 373 11, the lugs must have a cross-section ≤ 50 mm²



In the case of an installation with insulating profile Cat.No 0 373 11, the lugs must have a cross-section ≤ 70 mm²

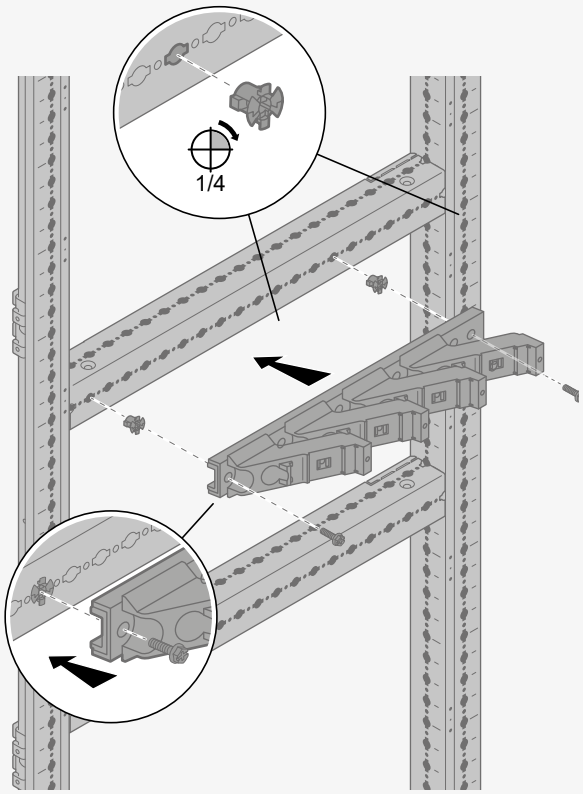


Insulating supports for flat copper busbars (continued)

BUSBAR IN INCLINED POSITION ≤ 800 A



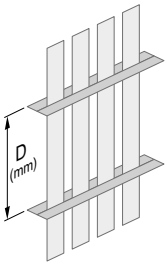
The insulating supports Cat.No 0SBXX800CU allow for the mounting of flat copper busbars in an inclined position, vertically or horizontally, on crosspieces Cat.No 3PR...
These supports are compatible with flat copper bars 18x4 mm, 25x5 mm, 32x5 mm, 50x5 mm, and 63x5 mm.



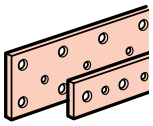


1. Insert the cage nuts onto the crosspiece.
2. Secure the support using the end caps and the 2 supplied screws.

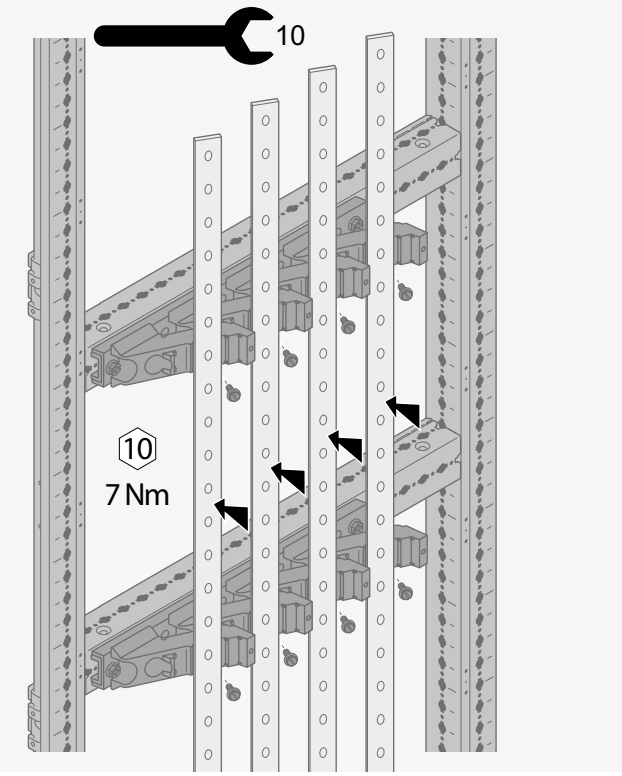
Observe the distance between the insulating supports (see table below)



		D (mm)				
		0 374 34 (18 x 4 mm)	0 374 18 (25 x 5 mm)	0 374 19 (32 x 5 mm)	0 374 40 (50 x 5 mm)	0 374 41 (63 x 5 mm)
Ipk (kA)	10	800	800	900	-	-
	15	400	600	600	700	800
	20	300	450	500	600	700
	25	250	350	400	500	550
	30	225	300	350	400	450
	35	200	250	300	350	400
	40	175	200	250	275	300
	45	150	200	200	225	250
	50	150	150	150	200	200
	60	125	125	125	150	150
	70	100	100	100	150	150
	80	-	-	-	-	100
	90	-	-	-	-	-

FLAT COPPER BARS	Reference temperature: 35°C	I (A)		I (A)	
		IP ≤ 30	IP > 30	IP ≤ 30	IP > 30
	0 374 34 (18 x 4 mm)	245	200	245	200
	0 374 18 (25 x 5 mm)	330	270	330	270
	0 374 19 (32 x 5 mm)	450	400	450	400
	0 374 40 (50 x 5 mm)	700	630	430	350
	0 374 41 (63 x 5 mm)	800	700	500	400

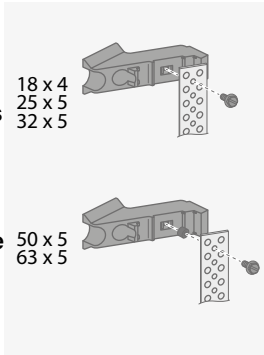
Mounting flat copper bars



1. Slide the flat copper bars into the insulating supports.
2. Secure them with the 4 screws provided.

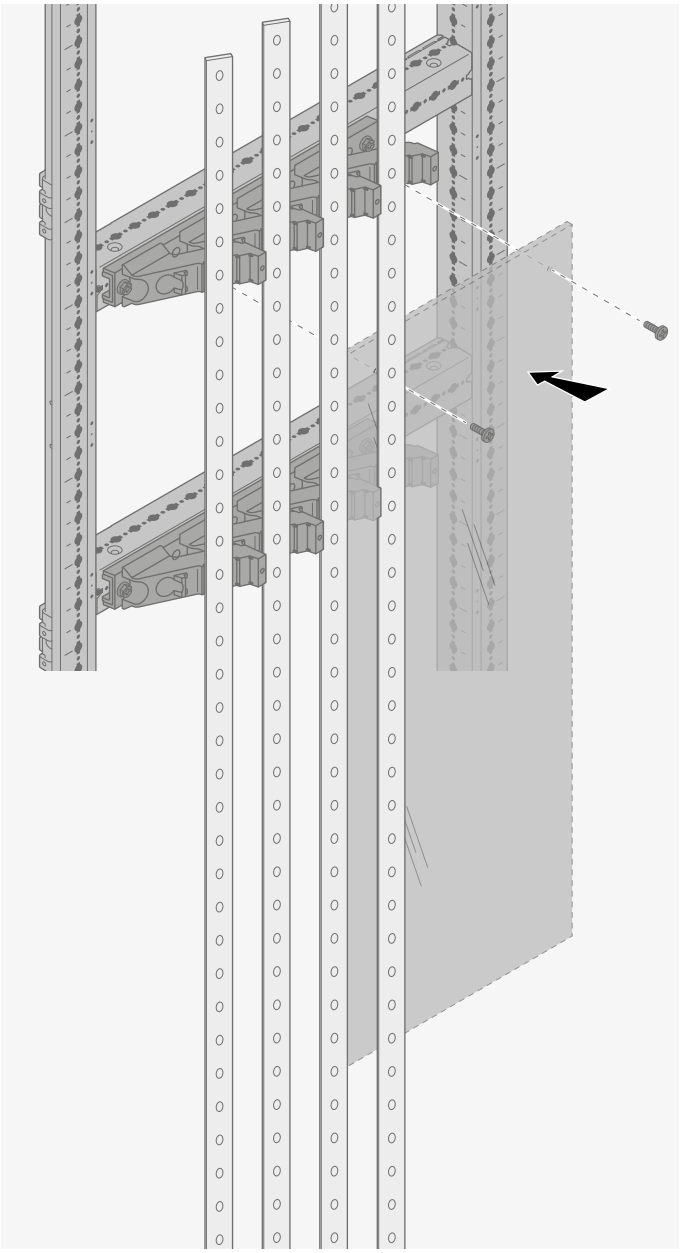
Depending on the bars to be installed, they are fixed to the supports using the 4 M6 screws provided.

The 50 x 5 mm copper bars and 63 x 5 mm require the use of the insulating covers provided.



Mounting a cover for bar insulation

If necessary, a cover can be installed to restrict access to the copper bars.
The cover can be fixed to the upper part of the insulating support with the 2 screws provided.



Insulating supports for flat copper busbars (continued)

BUSBAR IN ALIGNED POSITION, 5 MM THICK (MAX. 3 BARS PER PHASE) OR 10 MM (MAX. 2 BARS PER PHASE)

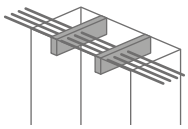
Insulating supports Cat.Nos 3SB...075L or 3SB...125L
These insulating supports allow for vertical, horizontal, or transfer mounting of copper busbars in an aligned position.
They are compatible with 5 or 10 mm thick copper bars and must be used with a screw kit (to be ordered for each insulating support).
They are available with 75 mm and 125 mm fixing centres.

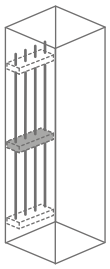
BAR DIMENSIONS	MAX. NUMBER OF BARS / PHASE	COMPATIBLE SCREW KIT CAT.NO.
50 x 5 mm / 63 x 5 mm	3 bars/phase	3VB063CU05
75 x 5 mm / 80 x 5 mm / 100 x 5 mm / 125 x 5 mm		3VB125CU05
50 x 10 mm / 60 x 10 mm	2 bars/phase	3VB060CU10
80 x 10 mm / 100 x 10 mm / 120 x 10 mm		3VB120CU10



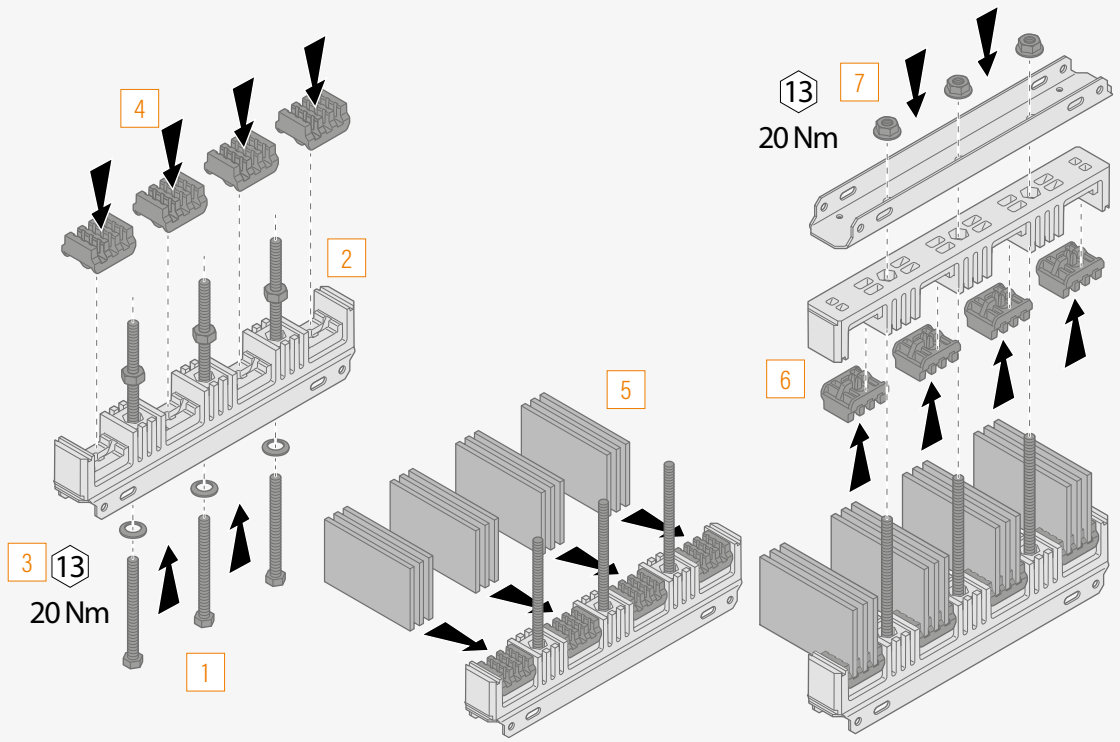
ASSEMBLY PRINCIPLE FOR FLOATING SUPPORT 3SBADDS075L AND 3SBADDS125L

Floating supports are insulating supports that do not attach to the enclosure structure but only to the aligned busbars.



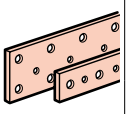


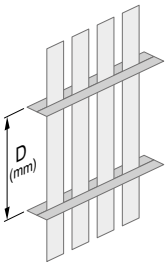
The screw kit is mandatory and must be adapted to the copper bars (see table above)



1. Insert the 3 threaded rods with the washers included in the screw kit into the lower part of the support.
2. Tighten the rods with the nuts.
3. Finalize tightening the assembly to 20 Nm.
4. Insert the 4 studs into the free spaces of the support.
5. Slide the copper bars between the studs of the insulating support (2 bars for 10 mm thickness and 3 bars for 5 mm thickness).
6. Insert the 4 studs into the free spaces of the support.
7. Position the upper part of the insulating support through the threaded rods and tighten the rods with the washer nuts to 20 Nm.

INSULATING SUPPORT ASSEMBLY

FLAT COPPER BARS Reference temperature: 35°C 		I (A)		I (A)		I (A)		I (A)		I (A)		I (A)	
		1 bar / phase				2 bars / phase				3 bars / phase			
Section	Cat.Nos	IP ≤ 30	IP > 30	IP ≤ 30	IP > 30	IP ≤ 30	IP > 30	IP ≤ 30	IP > 30	IP ≤ 30	IP > 30	IP ≤ 30	IP > 30
50 x 5 mm	0 374 40	700	630	430	350	1150	1000	650	510	1600	1380	1000	900
63 x 5 mm	0 374 41	800	700	500	400	1350	1150	770	590	1900	1600	1100	1000
75 x 5 mm	0 374 59	950	850	600	475	1500	1300	890	700	2200	1900	1250	1100
80 x 5 mm	0 374 43	1000	900	630	500	1650	1450	940	740	2350	2000	1300	1150
100 x 5 mm	0 374 46	1250	1050	750	580	1900	1600	1120	900	2900	2450	1600	1400
125 x 5 mm	-	1450	1270	1000	800	2500	2150	1450	1250	3450	2900	1800	1600
50 x 10 mm	-	950	850	880	650	1680	1470	1250	1050	-	-	-	-
60 x 10 mm	-	1150	1020	1000	800	2030	1750	1600	1250	-	-	-	-
80 x 10 mm	-	1460	1270	1150	950	2500	2150	1700	1500	-	-	-	-
100 x 10 mm	-	1750	1500	1350	1150	3050	2550	2000	1650	-	-	-	-
120 x 10 mm	-	2000	1750	1650	1450	3600	3000	2500	2000	-	-	-	-



Determination of distances between supports based on:
- the number of bars per phase
- the fixing centre of the insulating supports

- 1 bar per phase

BARS CAT.NOS	Ipk (kA)										
SUPPORT FIXING CENTRE 75 MM	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**100**	**110**
0 374 40 (50 x 5 mm)	1500	950	600	450	350	300	250	200	200	150	150
0 374 41 (63 x 5 mm)	1500	950	600	450	350	300	250	250	200	200	150
0 374 59 (75 x 5 mm)	1500	1000	650	500	400	350	300	250	250	200	200
0 374 43 (80 x 5 mm)	1500	1000	650	500	400	350	300	250	250	200	200
0 374 46 (100 x 5 mm)	1600	1000	700	550	450	400	350	300	250	250	250
125 x 5 mm	1700	1250	800	600	500	450	400	350	300	250	250
80 x 10 mm	-	1700	1500	1250	900	800	700	550	550	400	350
100 x 10 mm	-	1700	1700	1300	1000	900	750	600	600	500	350
120 x 10 mm	-	1700	1700	1600	1100	1000	800	700	650	500	350
125 MM FIXING CENTRE SUPPORT	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**100**	**110**
0 374 40 (50 x 5 mm)	1250	700	450	350	300	300	250	-	-	-	-
0 374 41 (63 x 5 mm)	1300	750	550	450	350	350	300	250	-	-	-
0 374 59 (75 x 5 mm)	1350	900	700	550	450	400	350	300	250	-	-
0 374 43 (80 x 5 mm)	1350	900	700	550	450	400	350	300	250	-	-
0 374 46 (100 x 5 mm)	1700	1200	900	650	550	500	450	400	350	350	300
125 x 5 mm	1700	1250	950	700	600	550	500	450	400	400	350
80 x 10 mm	-	1700	1200	900	700	550	450	400	350	300	250
100 x 10 mm	-	1700	1400	1000	800	650	550	450	400	350	300
120 x 10 mm	-	1700	1550	1150	900	700	600	500	450	400	350

Insulating supports for flat copper busbars (continued)

BUSBAR IN ALIGNED POSITION, 5 MM THICK (MAX. 3 BARS PER PHASE) OR 10 MM (MAX. 2 BARS PER PHASE)

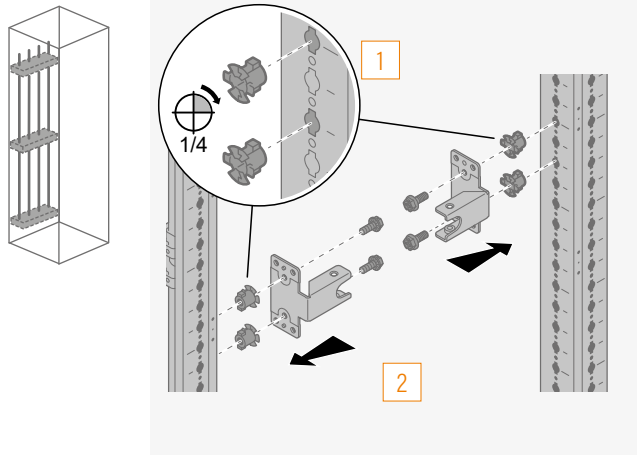
- 2 bars per phase

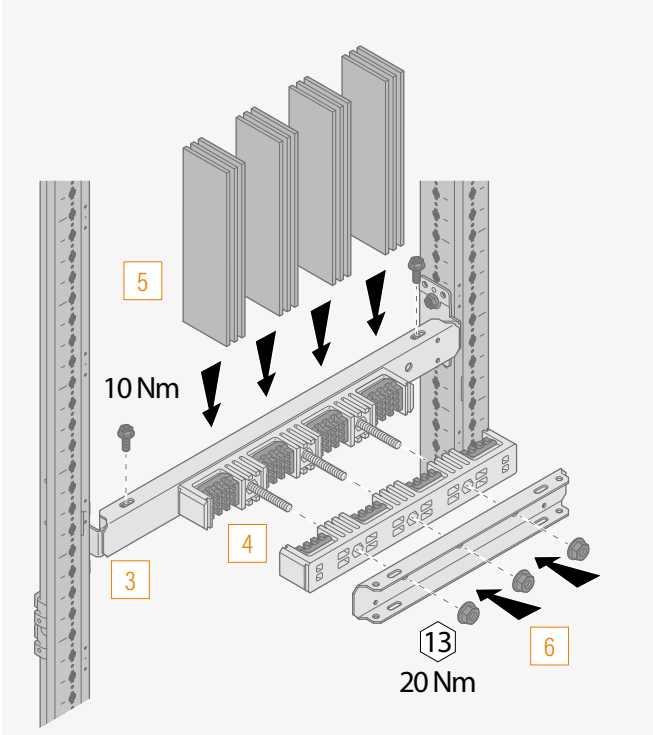
BARS CAT.NOS	Ipk (kA)										
SUPPORT FIXING CENTRE 75 MM	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**100**	**110**
0 374 40 (50 x 5 mm)	1550	900	600	450	350	300	250	200	200	150	150
0 374 41 (63 x 5 mm)	1700	1150	800	600	450	500	300	250	250	200	150
0 374 59 (75 x 5 mm)	1700	1300	900	700	550	550	400	300	300	250	200
0 374 43 (80 x 5 mm)	1700	1300	900	700	550	550	400	300	300	250	200
0 374 46 (100 x 5 mm)	1700	1500	1050	750	650	600	4520	350	350	300	250
125 x 5 mm	1700	1700	1150	850	700	550	500	400	350	350	300
80 x 10 mm	-	1700	1600	1300	1100	900	800	600	550	500	400
100 x 10 mm	-	1700	1700	1500	1200	1000	900	700	650	550	450
120 x 10 mm	-	1700	1700	1600	1400	1150	1000	800	700	600	450
125 MM FIXING CENTRE SUPPORT	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**100**	**110**
0 374 40 (50 x 5 mm)	1700	1050	700	500	400	350	300	250	-	-	-
0 374 41 (63 x 5 mm)	1700	1100	750	550	450	400	350	300	250	-	-
0 374 59 (75 x 5 mm)	1700	1150	800	600	500	450	400	350	300	250	250
0 374 43 (80 x 5 mm)	1700	1150	800	600	500	450	400	350	300	250	250
0 374 46 (100 x 5 mm)	1700	1200	850	650	550	500	450	400	350	300	300
125 x 5 mm	1700	1250	900	700	600	550	500	450	450	400	350
80 x 10 mm	-	1700	1500	1300	1000	800	700	550	500	400	350
100 x 10 mm	-	1700	1500	1450	1150	900	750	650	550	450	400
120 x 10 mm	-	1700	1700	1500	1250	1000	800	700	600	500	450

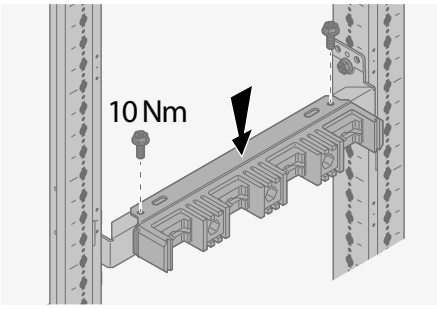
- 3 bars per phase

BARS CAT.NOS	Ipk (kA)										
SUPPORT FIXING CENTRE 75 MM	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**100**	**110**
0 374 40 (50 x 5 mm)	1700	950	650	500	400	300	250	250	200	200	150
0 374 41 (63 x 5 mm)	1700	1000	800	650	500	400	300	300	250	250	150
0 374 59 (75 x 5 mm)	1700	1100	900	750	600	500	400	350	300	300	250
0 374 43 (80 x 5 mm)	1700	1100	900	750	600	500	400	350	300	300	250
0 374 46 (100 x 5 mm)	1700	1500	1150	850	700	550	500	400	350	350	300
125 x 5 mm	1700	1500	1200	950	800	650	600	500	450	350	350
125 MM FIXING CENTRE SUPPORT	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**100**	**110**
0 374 40 (50 x 5 mm)	1700	1050	700	500	400	350	300	250	-	-	-
0 374 41 (63 x 5 mm)	1700	1100	750	550	450	400	350	300	250	-	-
0 374 59 (75 x 5 mm)	1700	1150	800	600	500	450	400	350	300	250	250
0 374 43 (80 x 5 mm)	1700	1150	800	600	500	450	400	350	300	250	250
0 374 46 (100 x 5 mm)	1700	1200	850	650	550	500	450	400	350	300	300
125 x 5 mm	1700	1250	900	700	600	550	500	450	450	400	350

- Mounting at the back of the enclosure







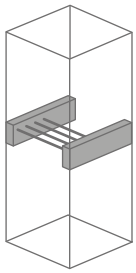
⚠ The insulating support Cat.No 3SB040S075L, which allows mounting at the back of enclosure with a width of 450 mm or a depth of 400 mm, requires fixing in the round holes of the insulating support (and not the oblong ones)

1. Insert 4 cage nuts inside the uprights (2 for each fixing bracket of the insulating support).
2. Fix the 2 fixing lugs using the 4 multi-head screws provided.
3. Position the fixed part of the support (in the oblong holes) on the fixing lugs using the 4 multi-head screws provided. Observe the tightening torque of 10 Nm.
4. Insert the 3 threaded rods with the washers contained in the screw kit into the fixed part of the insulating support.
5. Pre-tighten the rods with the nuts on the mobile part of the insulating support (with the studs installed), and insert the flat copper bars.
6. Finalize fixing the bars to the insulating support by tightening the rods with the washer nuts to 20 Nm on the mobile part of the insulating support.

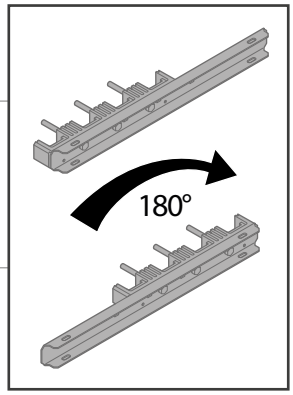
Insulating supports for flat copper busbars (continued)

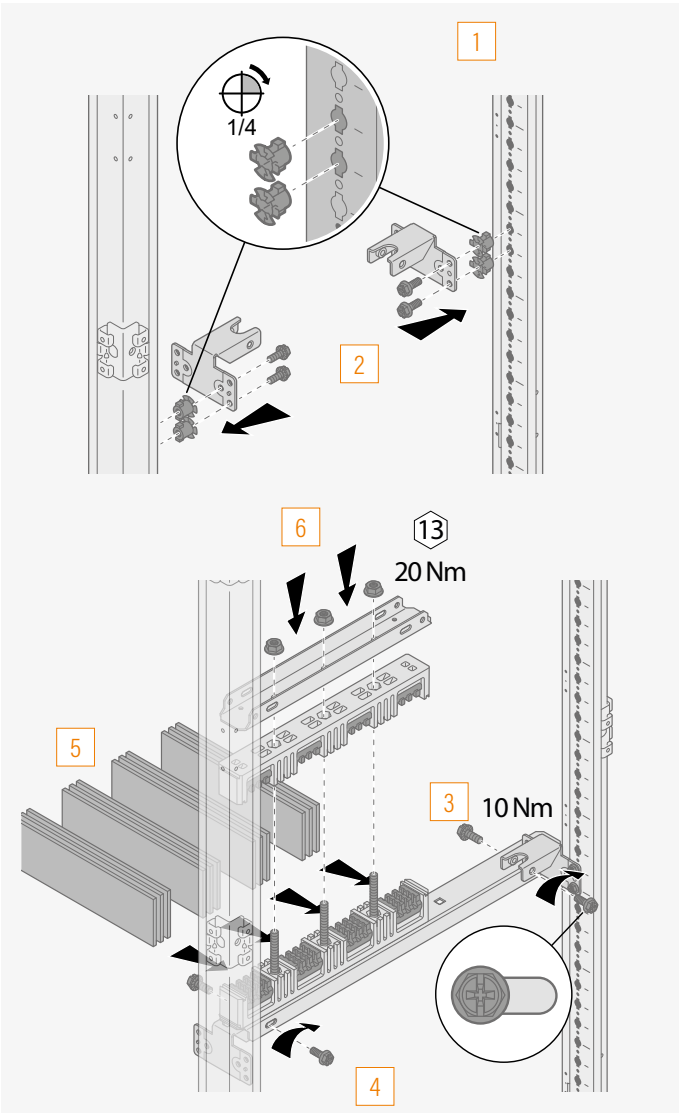
BUSBAR IN ALIGNED POSITION, 5 MM THICK (MAX. 3 BARS PER PHASE) OR 10 MM (MAX. 2 BARS PER PHASE) (continued)

- For transfer busbar



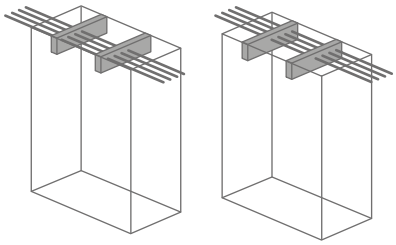
It is possible to rotate the insulating supports 180° to fix the busbar on the right or left side.



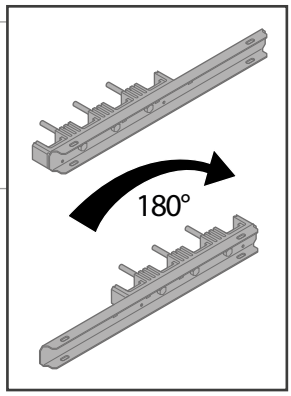


1. Insert 4 cage nuts inside the structural uprights (2 for each fixing lug of the insulating support).
2. Fix the 2 fixing lugs using the 4 multi-head screws provided.
3. Position the fixed part of the support on the fixing lugs and secure it to the lugs using the 4 multi-head screws provided, adjusting if necessary using the oblong holes. Observe the tightening torque of 10 Nm.
4. Insert the 3 threaded rods with the washers contained in the screw kit into the fixed part of the insulating support.
5. Pre-tighten the rods with the nuts on the mobile part of the insulating support (with the studs installed), and insert the flat copper bars.
6. Finalize the fixing of the bars on the insulating support by tightening the rods with the nuts and washers to 20 Nm on the mobile part of the insulating support.

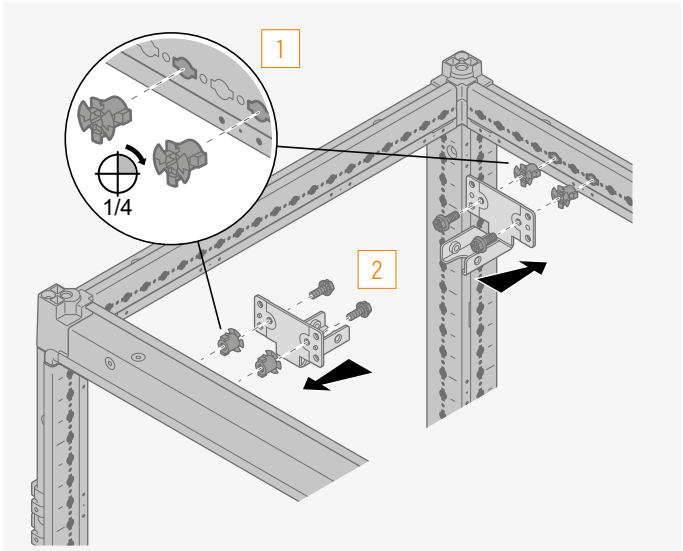
- Omnibus mounting (top or bottom)



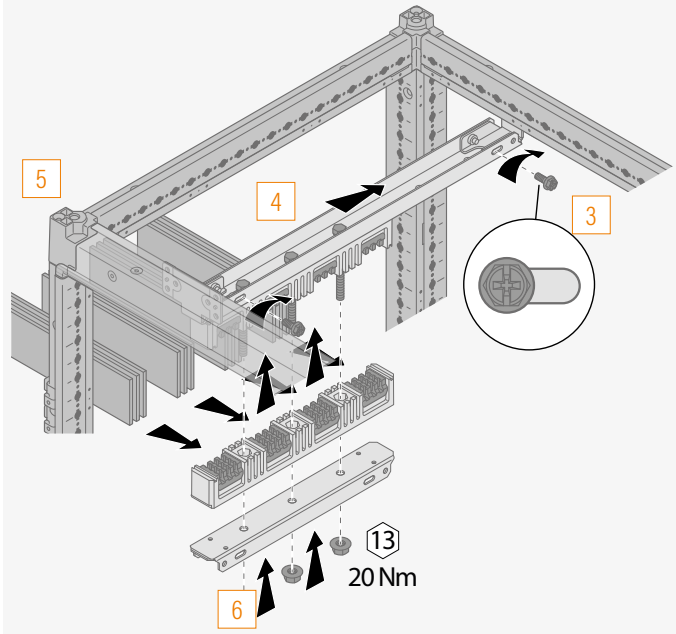
It is possible to rotate the insulating supports 180° to fix the busbar on the right or left side.



For mounting in the bottom position, the supports must be turned over for fixing the busbar.



1. Insert 4 cage nuts inside the roof support (2 for each fixing lug of the insulating support).
2. Fix the 2 fixing lugs using the 4 multi-head screws provided.

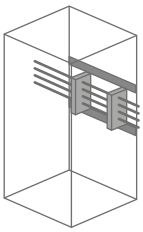


3. Position the fixed part of the support on the fixing lugs and secure it to the lugs using the 4 multi-head screws provided, adjusting if necessary using the oblong holes. Observe the tightening torque of 10 Nm.
4. Insert the 3 threaded rods with the washers contained in the screw kit into the fixed part of the insulating support.
5. Pre-tighten the rods with the nuts on the mobile part of the insulating support (with the studs installed), and insert the flat copper bars.
6. Finalize fixing the bars to the insulating support by tightening the rods with the washer nuts to 20 Nm on the mobile part of the insulating support.

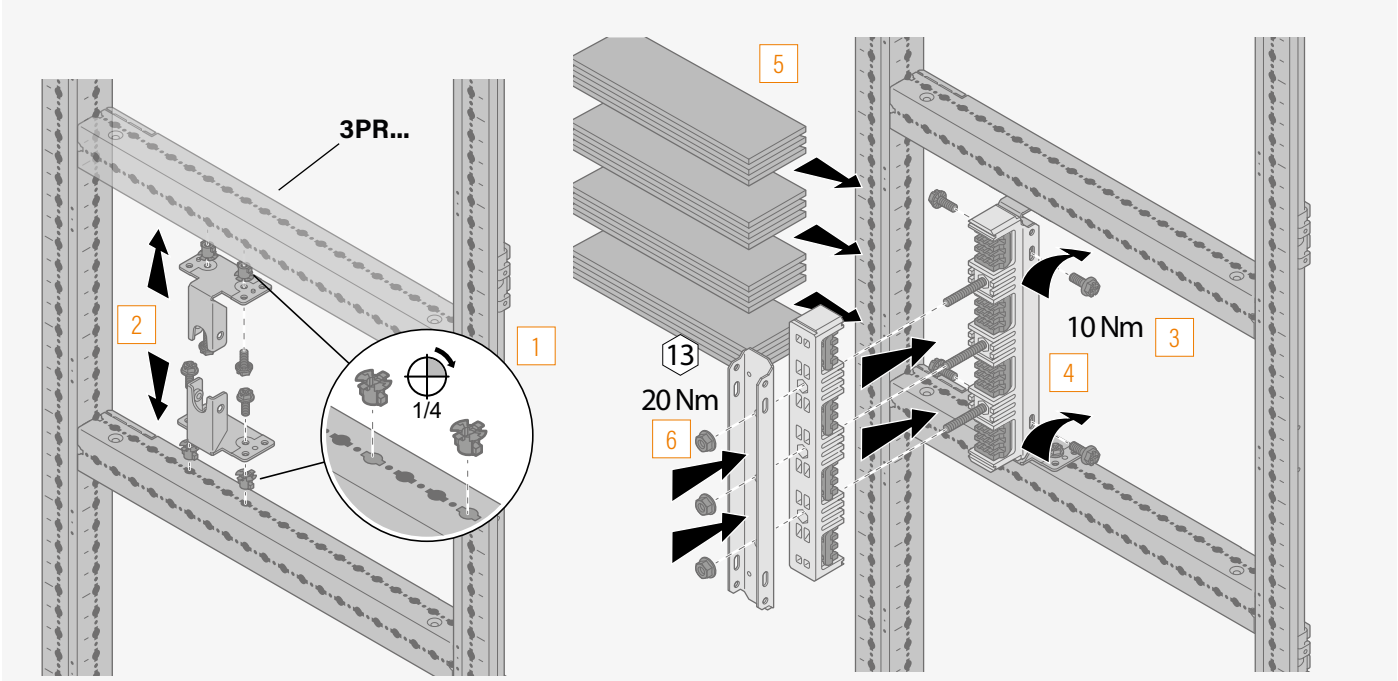
Insulating supports for flat copper busbars (continued)

BUSBAR IN ALIGNED POSITION, 5 MM THICK (MAX. 3 BARS PER PHASE) OR 10 MM (MAX. 2 BARS PER PHASE) (continued)

- For transfer busbar at the back of the enclosure

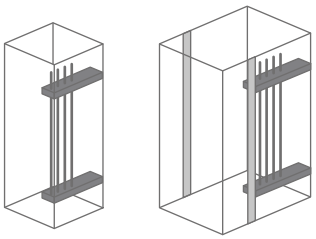


⚠ Possible only with support Cat.Nos 3SB040S075L and 3SB060S125L

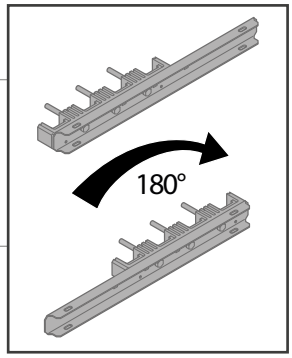


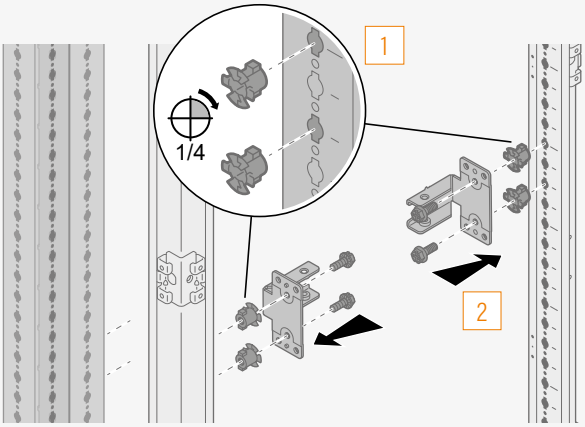
1. Insert 4 cage nuts on the mounting profiles Cat.No 3PR... (2 for each fixing lug of the insulating support).
2. Fix the 2 fixing lugs using the 4 multi-head screws provided.
3. Position the fixed part of the support on the fixing lugs using the 4 multi-head screws provided. Observe the tightening torque of 10 Nm.
4. Insert the 3 threaded rods with the washers contained in the screw kit into the fixed part of the insulating support.
5. Pre-tighten the rods with the nuts on the mobile part of the insulating support, and insert the flat copper bars.
6. Finalize fixing the bars to the insulating support by tightening the rods with the washer nuts to 20 Nm on the mobile part of the insulating support.

- Mounting behind structural uprights or reinforced uprights Cat.No 3PRA...



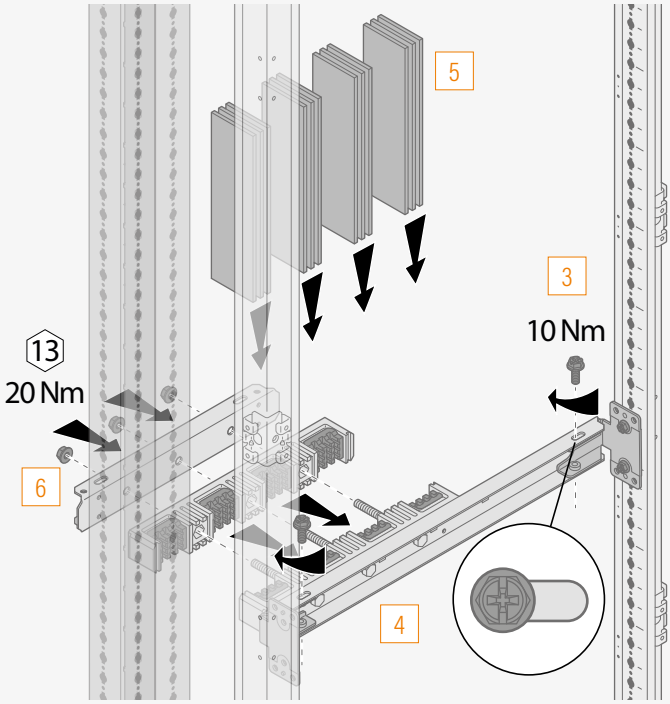
It is possible to rotate the insulating supports 180° to fix the busbar on the right or left side.





The width between the reinforced uprights must be 300, 500 or 700 mm.

1. Insert 4 cage nuts on the structural uprights or reinforced uprights Cat.No 3PRA... (2 for each fixing lug of the insulating support).
2. Fix the 2 fixing lugs using the 4 multi-head screws provided.



3. Position the fixed part of the support on the fixing lugs and secure it to the lugs using the 4 multi-head screws provided, adjusting if necessary using the oblong holes. Observe the tightening torque of 10 Nm.
4. Insert the 3 threaded rods with the washers contained in the screw kit into the fixed part of the insulating support.
5. Pre-tighten the rods with the nuts on the mobile part of the insulating support (with the studs installed), and insert the flat copper bars.
6. Finalize fixing the bars to the insulating support by tightening the rods with the washer nuts to 20 Nm on the mobile part of the insulating support.

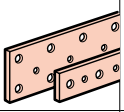
Insulating supports for flat copper busbars (continued)

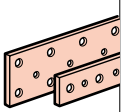
BUSBAR IN ALIGNED POSITION, 5 MM THICK (MAX. 5 BARS PER PHASE) OR 10 MM (MAX. 4 BARS PER PHASE)

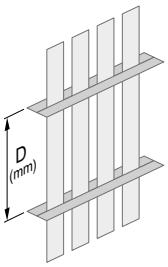
Insulating supports Cat.Nos 3SB...125LH1, 3SB...125LH2 or 3SB...175LH2
These insulating supports allow for vertical, horizontal, or transfer mounting of flat copper busbars in an aligned position.

BARS THICKNESS	FIXING CENTRE	MAX. NUMBER OF BARS / PHASE	BARS HEIGHT	SCREW KIT CAT.NO
5 mm	125 mm	5 bars/phase	75 to 125 mm	not necessary
10 mm	125 mm	3 bars/phase	80 to 120 mm	not necessary
			160 to 200 mm	3VB200 (threaded rod only)
	175 mm (consult Legrand)	4 bars/phase	80 to 120 mm	not necessary
			160 to 200 mm	3VB200 (threaded rod only)

INSULATING SUPPORT ASSEMBLY

FLAT COPPER BARS Reference temperature: 35°C		1 bar / phase				2 bars / phase				3 bars / phase			
		 I (A)		 I (A)		 I (A)		 I (A)		 I (A)		 I (A)	
Section	Cat.Nos	IP ≤ 30	IP > 30	IP ≤ 30	IP > 30	IP ≤ 30	IP > 30	IP ≤ 30	IP > 30	IP ≤ 30	IP > 30	IP ≤ 30	IP > 30
75 x 5 mm	0 374 59	950	850	600	475	1500	1300	890	700	2200	1900	1250	1100
80 x 5 mm	0 374 43	1000	900	630	500	1650	1450	940	740	2350	2000	1300	1150
100 x 5 mm	0 374 46	1250	1050	750	580	1900	1600	1120	900	2900	2450	1600	1400
125 x 5 mm	-	1450	1270	1000	800	2500	2150	1450	1250	3450	2900	1800	1600
80 x 10 mm	-	1460	1270	1150	950	2500	2150	1700	1500	3450	2900	2500	2000
100 x 10 mm	-	1750	1500	1350	1150	3050	2550	2000	1650	4150	3500	2900	2400
120 x 10 mm	-	2000	1750	1650	1450	3600	3000	2500	2000	4800	4000	3500	3000
200 x 10 mm	-	3300	3000	2750	2400	5200	4800	3600	3250	7000	6400	5400	4800

FLAT COPPER BARS Reference temperature: 35°C		4 bars / phase				5 bars / phase			
		 I (A)		 I (A)		 I (A)		 I (A)	
Section	Cat.Nos	IP ≤ 30	IP > 30	IP ≤ 30	IP > 30	IP ≤ 30	IP > 30	IP ≤ 30	IP > 30
75 x 5 mm	0 374 59	2700	2300	1600	1400	consult Legrand			
80 x 5 mm	0 374 43	2850	2400	1650	1450	consult Legrand			
100 x 5 mm	0 374 46	3500	2900	1900	1650	consult Legrand			
125 x 5 mm	-	4150	3450	2150	1950	consult Legrand			
80 x 10 mm	-	consult Legrand				consult Legrand			
100 x 10 mm	-	consult Legrand				consult Legrand			
120 x 10 mm	-	consult Legrand				consult Legrand			
200 x 10 mm	-	consult Legrand				consult Legrand			



Determination of distances between supports based on:
- the number of bars per phase
- the fixing centres of the insulating supports

▪ 1 bar per phase

BARS CAT.NOS	Ipk (kA)																			
SUPPORT 125 MM FIXING CENTRE	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220
0 374 59 (75 x 5 mm)	700	550	450	350	300	250	250	-	-	-	-	-	-	-	-	-	-	-	-	-
0 374 43 (80 x 5 mm)	700	550	450	350	300	250	250	-	-	-	-	-	-	-	-	-	-	-	-	-
0 374 46 (100 x 5 mm)	800	600	500	400	350	300	250	250	250	-	-	-	-	-	-	-	-	-	-	-
125 x 5 mm	900	700	550	450	400	350	300	300	250	250	250	-	-	-	-	-	-	-	-	-
80 x 10 mm	1350	100	850	700	600	550	500	450	400	350	350	300	300	250	250	250	250	200	200	-
100 x 10 mm	1550	1150	950	800	700	600	550	500	450	400	350	350	350	300	300	300	250	250	250	250
120 x 10 mm	1700	1300	1050	850	750	650	600	550	500	450	400	400	350	350	300	300	300	300	250	250
200 x 10 mm	1550	1150	950	850	700	650	600	500	450	400	400	350	350	350	300	300	300	250	250	200
SUPPORT 175 MM FIXING CENTRE	consult Legrand																			

▪ 2 bars per phase

BARS CAT.NOS	Ipk (kA)																			
SUPPORT 125 MM FIXING CENTRE	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220
0 374 59 (75 x 5 mm)	1000	800	650	550	450	400	350	300	300	250	250	250	-	-	-	-	-	-	-	-
0 374 43 (80 x 5 mm)	1000	800	650	550	450	400	350	300	300	250	250	250	-	-	-	-	-	-	-	-
0 374 46 (100 x 5 mm)	1150	900	700	600	500	450	400	350	350	300	300	250	250	250	-	-	-	-	-	-
125 x 5 mm	1300	1000	800	700	650	550	500	500	450	450	400	400	350	350	350	300	-	-	-	-
80 x 10 mm	1700	1500	1200	1000	900	750	700	600	550	550	500	450	450	400	350	350	350	300	300	300
100 x 10 mm	1700	1700	1400	1150	1000	900	800	700	650	600	550	500	500	450	450	400	400	350	350	350
120 x 10 mm	1700	1700	1550	1300	1100	1000	900	800	750	650	600	600	550	500	500	450	450	400	350	300
200 x 10 mm	1700	1350	1050	900	800	700	650	600	550	500	500	450	400	400	400	350	350	300	300	250
SUPPORT 175 MM FIXING CENTRE	consult Legrand																			

Insulating supports for flat copper busbars (continued)

BUSBAR IN ALIGNED POSITION, 5 MM THICK (MAX. 5 BARS PER PHASE) OR 10 MM (MAX. 4 BARS PER PHASE) (continued)

- 3 bars per phase

BARS CAT.NOS	Ipk (kA)																				
SUPPORT 125 MM FIXING CENTRE	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	
0 374 59 (75 x 5 mm)	1350	1050	850	700	600	550	500	450	400	350	350	300	300	250	250	250	250	-	-	-	
0 374 43 (80 x 5 mm)	1350	1050	850	700	600	550	500	450	400	350	350	300	300	250	250	250	250	-	-	-	
0 374 46 (100 x 5 mm)	1550	1150	950	800	700	600	550	500	450	400	350	350	350	300	300	300	250	250	250	250	
125 x 5 mm	1700	1300	1050	900	750	700	600	550	500	450	450	400	350	350	350	300	300	300	250	250	
80 x 10 mm	1700	1700	1600	1350	1150	1000	900	850	750	700	650	600	550	550	500	500	450	450	400	350	
100 x 10 mm	1700	1700	1700	1550	1300	1150	1050	900	800	750	700	650	650	600	500	450	400	400	350	300	
120 x 10 mm	1700	1700	1700	1700	1500	1300	1100	950	800	750	700	650	600	500	500	450	400	400	350	300	
200 x 10 mm	1700	1700	1450	1250	1100	950	850	750	700	650	600	550	500	500	450	450	400	350	350	300	
SUPPORT 175 MM FIXING CENTRE	consult Legrand																				

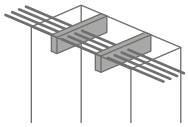
- 4 bars per phase

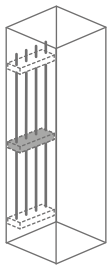
BARS CAT.NOS																				
SUPPORT 125 MM FIXING CENTRE	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220
0 374 59 (75 x 5 mm)	1700	1300	1050	850	750	650	600	550	500	450	400	400	350	350	300	300	300	250	250	250
0 374 43 (80 x 5 mm)	1700	1300	1050	850	750	650	600	550	500	450	400	400	350	350	300	300	300	250	250	250
0 374 46 (100 x 5 mm)	1700	1450	1150	1000	850	750	650	600	550	550	500	450	400	400	350	350	300	300	250	250
125 x 5 mm	1700	1650	1350	1100	950	850	750	700	600	550	550	500	450	350	300	300	250	250	200	200

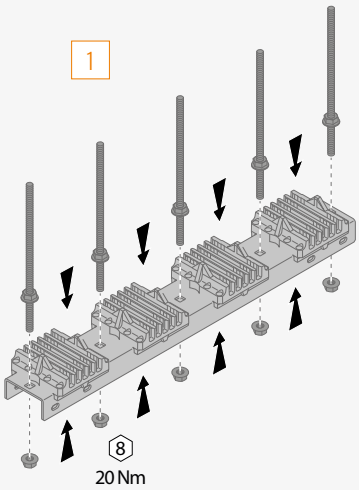
- 5 bars per phase (consult us)

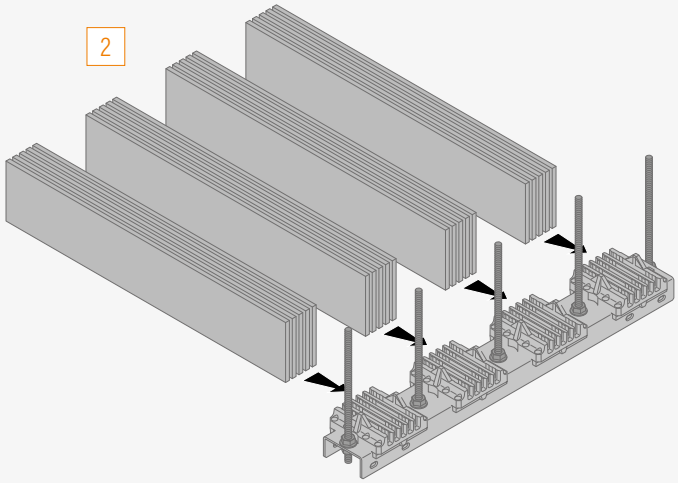
ASSEMBLY PRINCIPLE FOR FLOATING SUPPORT CAT.NOS 3SB...LH1 OR 3SB...LH2

Floating supports are insulating supports that do not attach to the enclosure structure but only to the aligned busbars.

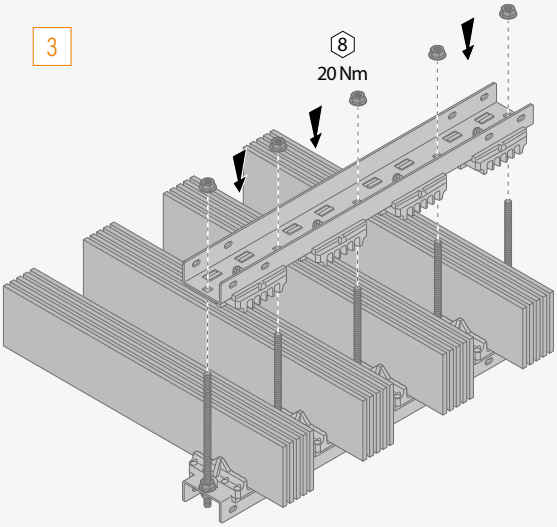








For bars 160 to 200 mm high, use the threaded rods from kit Cat.No 3VB200 and do not use those supplied with the insulating support.

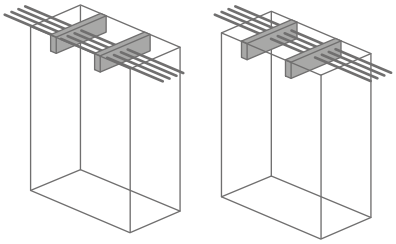


1. Insert the 5 threaded rods and lock them with the 2 washer nuts supplied on each side of the support. Observe the tightening torque of 20 Nm.
2. Slide the copper bars between the studs of the insulating support.
3. Position the upper part of the insulating support through the threaded rods and tighten them with the nut-washers to 20 Nm.

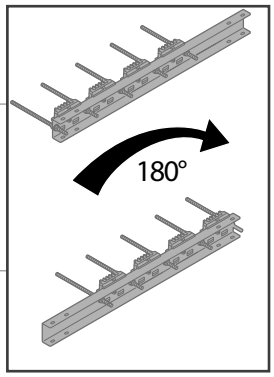
Insulating supports for flat copper busbars (continued)

BUSBAR IN ALIGNED POSITION, 5 MM THICK (MAX. 5 BARS PER PHASE) OR 10 MM (MAX. 4 BARS PER PHASE) (continued)

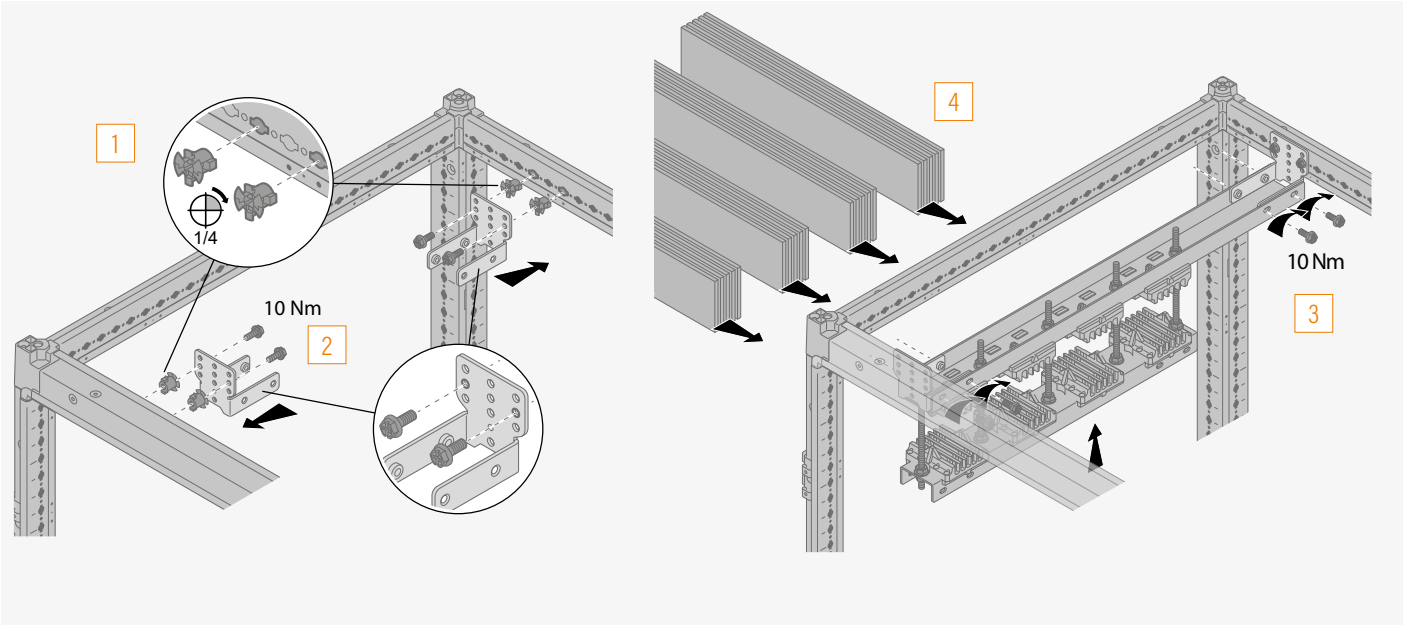
- Omnibus mounting (top or bottom)



It is possible to rotate the insulating supports 180° to fix the busbar system on the right or left side.

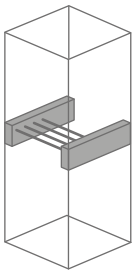


For mounting in the bottom position, the supports must be turned over for fixing the busbar system.

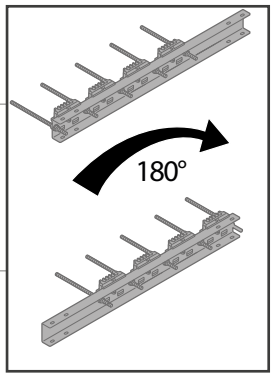


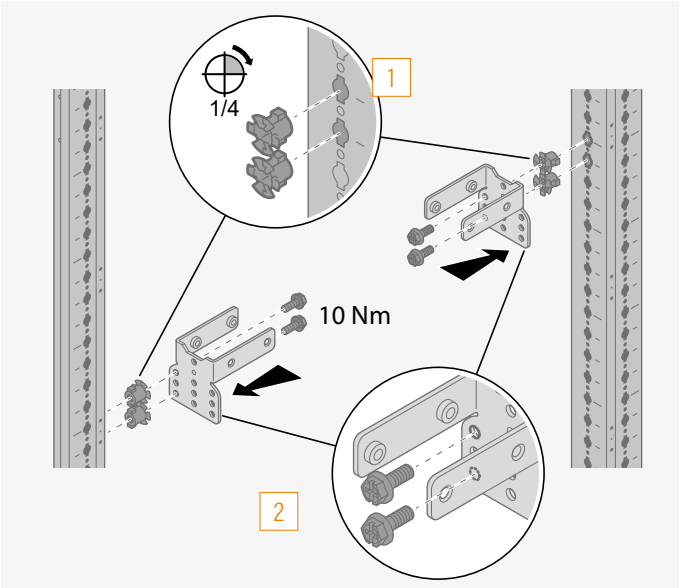
1. Insert 4 cage nuts inside the roof support (2 for each fixing lug of the insulating support).
2. Fix the 2 fixing lugs using the 4 multi-head screws provided.
3. Fix the support using the 8 multi-head screws provided on the fixing lugs. Observe the tightening torque of 10 Nm.
4. Insert the flat copper bars and finalize the fixing of the insulating support by following the same assembly as the floating support p. 89

- For transfer busbar system

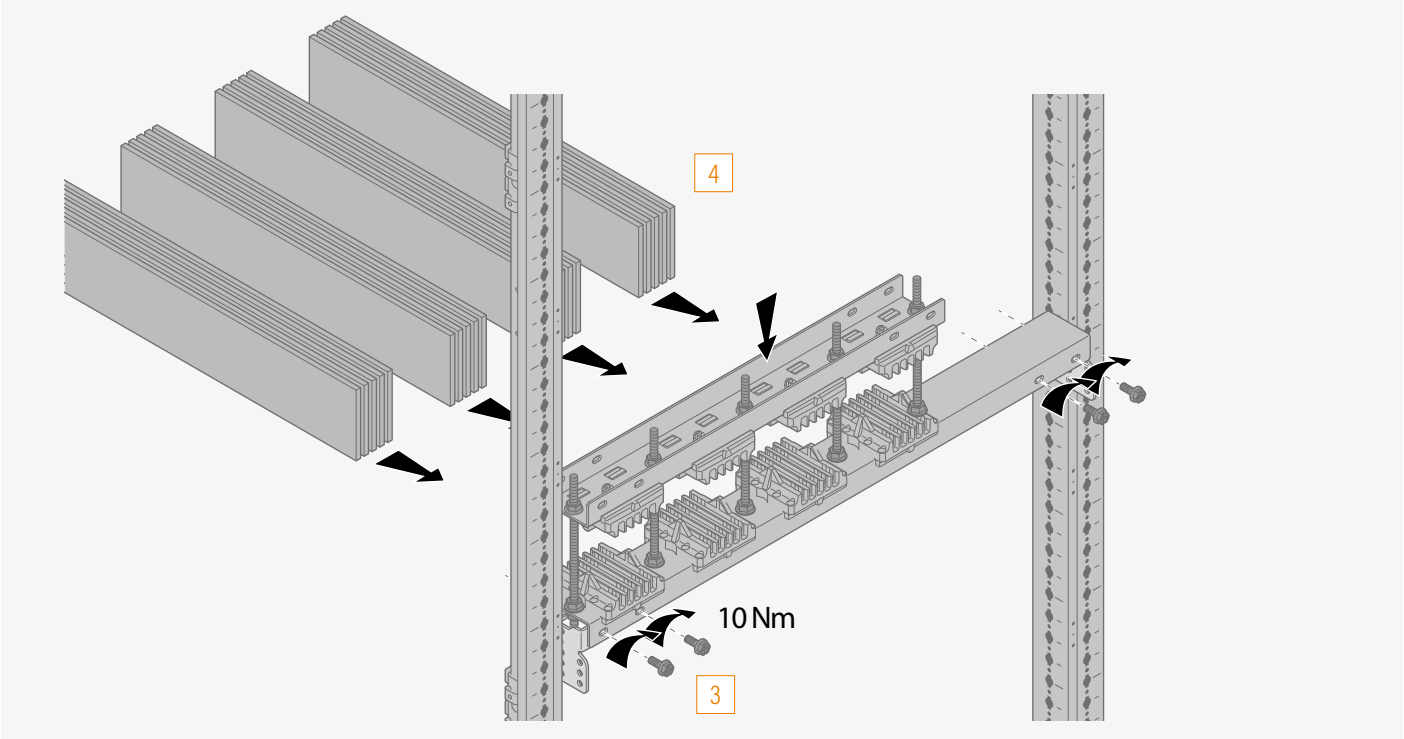


It is possible to rotate the insulating supports 180° to fix the busbar system on the right or left side.





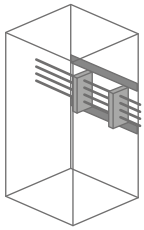
1. Insert 4 cage nuts inside the structural uprights (2 for each fixing bracket of the insulating support).
2. Fix the 2 fixing lugs using the 4 multi-head screws provided.
3. Fix the support using the 8 multi-head screws provided on the fixing lugs. Observe the tightening torque of 10 Nm.
4. Insert the flat copper bars and finalize the fixing of the insulating support by following the same assembly as the floating support p. 89



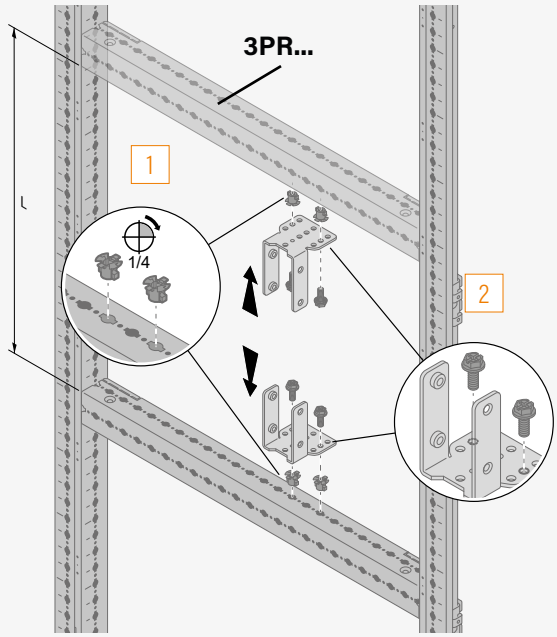
Insulating supports for flat copper busbars (continued)

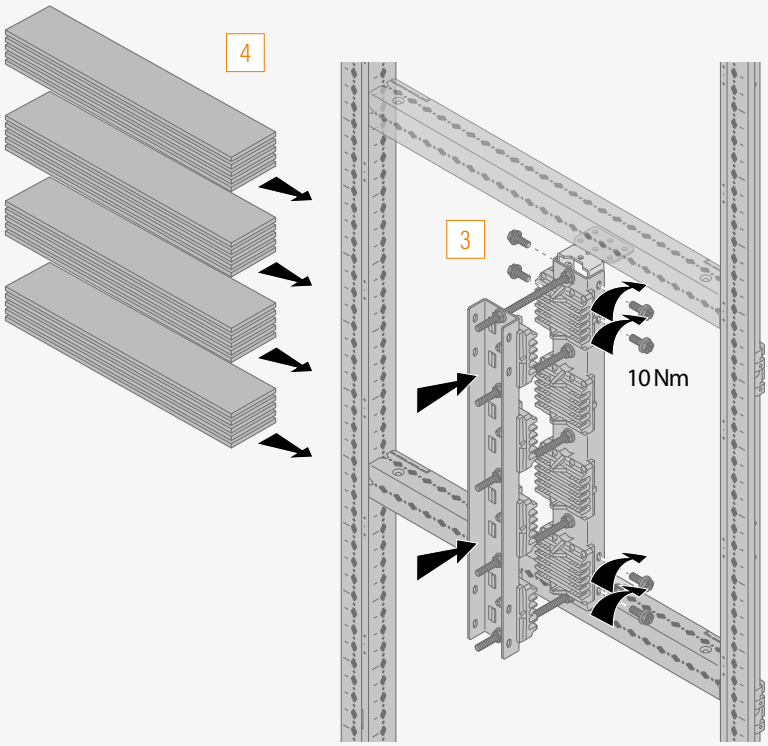
BUSBAR IN ALIGNED POSITION, 5 MM THICK (MAX. 5 BARS PER PHASE) OR 10 MM (MAX. 4 BARS PER PHASE) (continued)

- For transfer busbar at the back of the enclosure



⚠ Possible only with support Cat.No 3SB060S125LH1



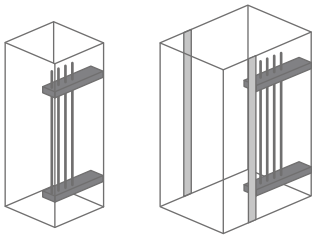


ⓘ L = 500 for Cat.No 3SB060S125LH1
3SB060S125LH2
3SB060S175LH2

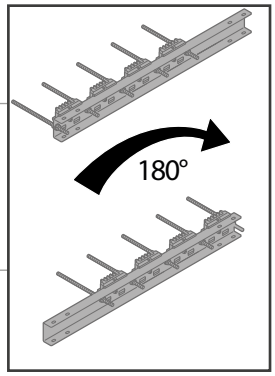
L = 700 for Cat.No 3SB080S125LH2

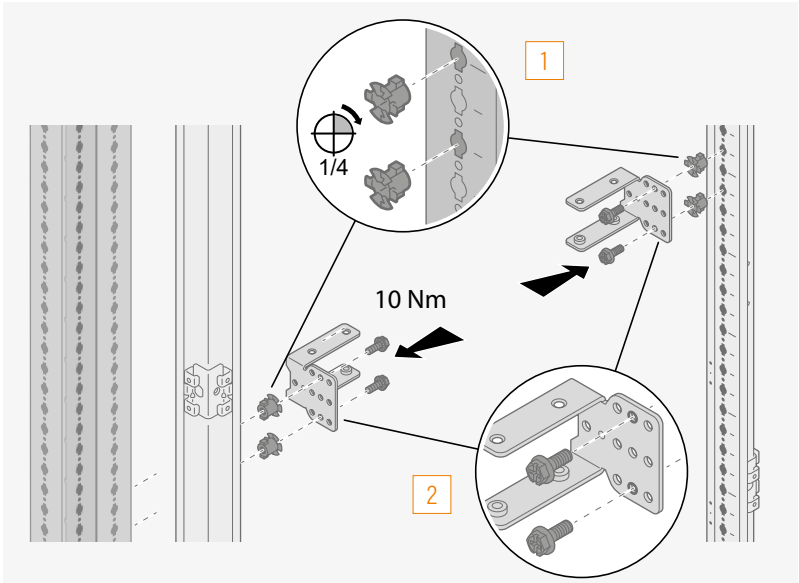
1. Insert 4 cage nuts on the mounting profiles Cat.No 3PR... (2 for each fixing lug of the insulating support).
2. Fix the 2 fixing lugs using the 4 multi-head screws provided.
3. Fix the support using the 8 multi-head screws provided on the fixing lugs. Observe the tightening torque of 10 Nm.
4. Insert the flat copper bars and finalize the fixing of the insulating support, following the same assembly as the floating support p. 89

- Mounting behind structural uprights or reinforced uprights Cat.No 3PRA...



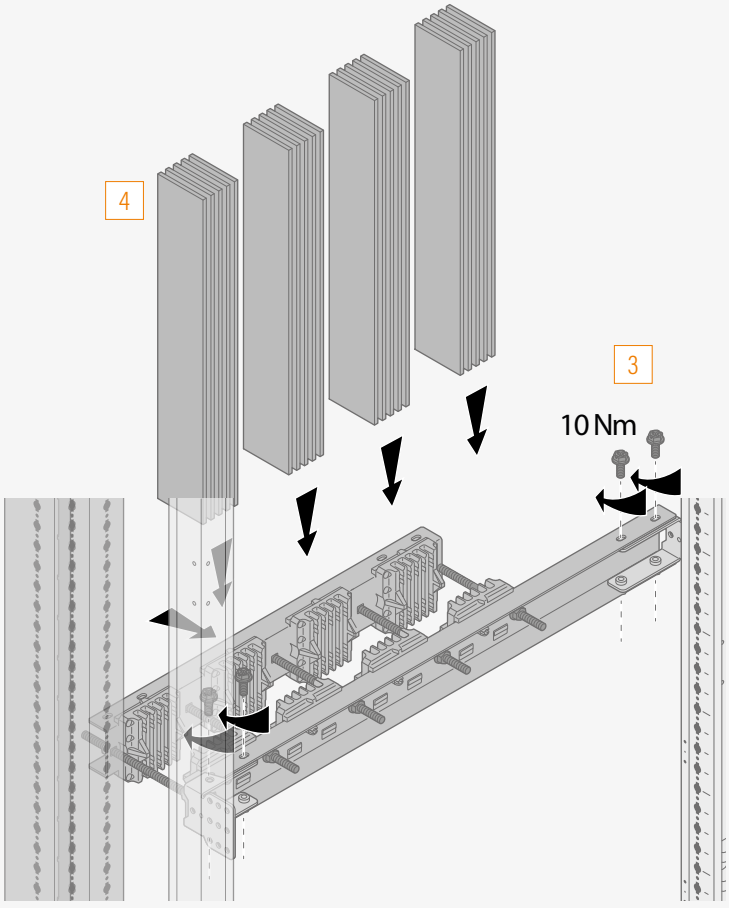
It is possible to rotate the insulating supports 180° to fix the busbar on the right or left side.





The width between the reinforced uprights must be 500 or 700 mm

1. Insert 4 cage nuts onto the structural uprights or reinforced uprights Cat.No 3PRA... (2 for each fixing bracket of the insulating support).
2. Fix the 2 fixing lugs using the 4 multi-head screws provided.



3. Fix the support using the 8 multi-head screws provided on the fixing lugs. Observe the tightening torque of 10 Nm.
4. Insert the flat copper bars and finalize the fixing of the insulating support, following the same assembly as the floating support p. 89





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