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The Rittal Flex-Block base/plinth system



Save time

- Fast assembly by simply clipping together the base/plinth components
- Easily bayed with tool-free baying clip
- The enclosure is easily transported, both when empty and fully configured, by removing the base/plinth trim panel



Easy to assemble

- Tool-free assembly of all base/plinth components
- Tool-free mounting of accessories, e.g. baying and levelling feet
- Symmetrical enclosure widths and depths
- Combinations of 100 and 200 mm high trim panels may be used with the 200 mm high Flex-Block



Large mounting area

- Space-saving cable management in the base/plinth means more space for enclosure configuration
- Configuration with punched rail – clip into position from outside or inside
- Flexible configuration: Punched rail with 25 mm pitch pattern of holes



Base/plinth

Flex-Block base/plinth system

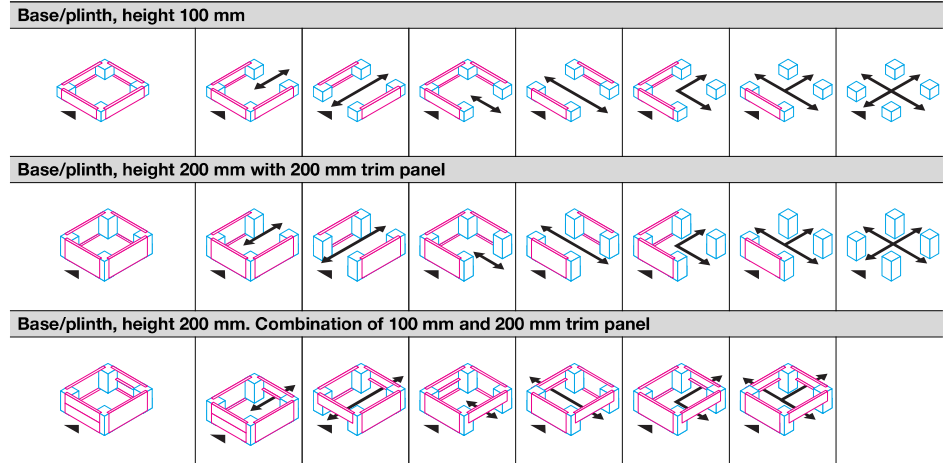
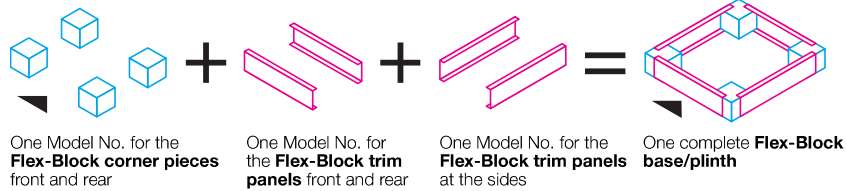


The Rittal base/plinth system

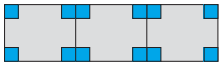
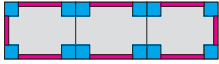
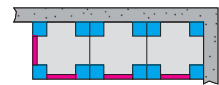
Flex-Block

Freely combinable base/plinth system for virtually any application. Because the corner pieces and trim panels are packaged separately, it is possible to respond individually to any application.

The enclosure load rests on the corner pieces, so that the trim panels can be attached or removed at any time by using clips. The base/plinth trim panels are symmetrical and are readily exchanged in the width and depth. This creates unprecedented flexibility and great savings potential with base/plinth configuration.

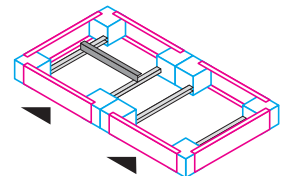


Functional and cost benefits

Order includes	Functional benefits	Potential savings with 100 mm high Flex-Block versus complete Flex-Block base/plinth
3 packs of Flex-Block corner pieces	The enclosures rest securely on the corner pieces. Transportation via forklift or lifting truck with free-standing enclosures is supported.	12 trim panels 
3 packs of Flex-Block corner pieces 4 packs of Flex-Block trim panels	Completely closed suite of base/plinths, no trim panels between the enclosure panels. This means more space for assembly and cable entry.	4 trim panels 
3 packs of Flex-Block corner pieces 2 packs of Flex-Block trim panels	Trim panels are only needed in the viewed area; there are no trim panels between the enclosures. This means more space for assembly and cable entry.	8 trim panels 

Other options:

- Cable clamp may be configured individually in every enclosure panel using system accessories
- With 200 mm Flex-Block corner pieces, either 100 mm high or 200 mm high trim panels may be used, depending on requirements



Base/plinth

Flex-Block base/plinth system

Flex-Block corner pieces

for TS, TS IT, SE, PC

High-strength plastic corner pieces for individual tool-free assembly with Flex-Block trim panels and accessories.

Material:

- Corner pieces: Fibreglass-reinforced plastic
- Cover caps: ABS

Colour:

- RAL 9005

Supply includes:

- 4 corner pieces
- 4 cover caps
- Assembly parts for mounting on the enclosure

Corner pieces height mm	Model No.
100	8100.000
200	8200.000

+ **Accessories:**

- Flex-Block trim panels, see page 617
- Punched rail 23 x 23 mm, see page 722
- Baying clip 8000.100, see page 617
- Adaptor sleeve 8000.500, see page 629
- Base mounting plate 2817.000, see page 622



Flex-Block trim panels

for Flex-Block corner pieces

For tool-free assembly. With symmetrical enclosure dimensions, trim panels are identical in the width and depth.

Material:

- Sheet steel

Colour:

- RAL 9005

Supply includes:

- 2 trim panels

100 mm high, solid

For enclosure width and depth in mm	Model No.
300	8100.300
400	8100.400
500	8100.500
600	8100.600
800	8100.800
1000	8100.010
1200	8100.120
1600	8100.160
1800	8100.180

100 mm high, with brush strip

For enclosure width and depth in mm	Model No.
600	8100.605
800	8100.805
1000	8100.105
1200	8100.125

100 mm high, vented

For enclosure width and depth in mm	Model No.
600	8100.602
800	8100.802

200 mm high, solid

For enclosure width and depth in mm	Model No.
300	8200.300
400	8200.400
500	8200.500
600	8200.600
800	8200.800
1000	8200.010
1200	8200.120

+ **Accessories:**

- Filter mats for trim panel, vented 7583.500, see page 623



Baying clip

for baying the Flex-Block corner pieces

Tool-free baying of Flex-Block base/plinths via a simple clip system.

Material:

- Fibreglass-reinforced plastic

Colour:

- RAL 9005

Packs of	Model No.
12 pc(s).	8000.100



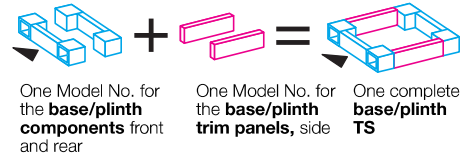
Base/plinth

Base/plinth TS

Modular base/plinth diversity

Regardless of the enclosure depth: The base/plinth components at the front and rear, pre-configured with corner pieces, are always the same for the chosen width. Only the side trim panels are selected according to the enclosure depth and the required base/plinth configuration. The modular concept produces exceptional advantages in terms of cost and function.

Mounting on the enclosure is conveniently carried out from the outside. The base/plinth interior offers diverse opportunities for cable management mounting levels.



Base/plinth height	Basic form	Cable entry options				Stabilisation of bayed base/plinths
100 mm						
200 mm						

Functional and cost benefits

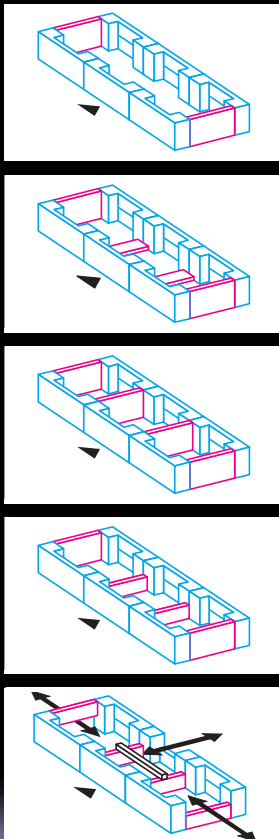
Fewer parts, more opportunities, lower purchasing, storage and assembly costs – this is the winning formula behind the modular base/plinth system.

The following table shows five possible solutions using three bayed base/plinths in 200 mm height from the wide range of options available, together with the potential savings with trim panels compared with the previous 200 mm base/plinth system each with two trim panels of 100 mm height at the sides.

Order includes	Functional benefits	Potential savings versus twelve 100 mm trim panels
1 pack of base/plinth components, 1 pack of base/plinth trim panels 200 mm high	Continuous cable chamber	2 trim panels 200 mm
3 packs of base/plinth components 1 pack of base/plinth trim panels 200 mm high 1 pack of base/plinth trim panels 100 mm high 1 pack of base/plinth baying brackets 8601.100 (packs of 20) 4 pc(s). are required for this solution	Additional stabilisation for transportation purposes with base/plinth trim panels rotated through 90°	2 trim panels 200 mm 2 trim panels 100 mm
2 packs of base/plinth components 1 pack of base/plinth trim panels 200 mm high	Shielding of the base/plinths in relation to one another	4 trim panels 200 mm
3 packs of base/plinth components 1 pack of base/plinth trim panels 200 mm high 1 pack of base/plinth trim panels 100 mm high	Additional connection of the base/plinths	2 trim panels 200 mm 2 trim panels 100 mm

Other options:

- Cable entry at the side by mounting a 100 mm base/plinth trim panel (top or bottom)
- Cable entry from the rear by dismantling one or more trim panels of the base/plinth components
- Cable clamp rail fitted on the 100 mm high trim panel



Base/plinth

Base/plinth TS

Base/plinth components front and rear

Sheet steel for TS, TS IT, SE, CM, TP, PC, IW

Base/plinth component consisting of one trim panel and two pre-configured corner pieces. In 200 mm high base/plinth components, one trim panel is divided into two for cable entry.

Material:

- Base/plinth components: Sheet steel
- Cover caps: Plastic

Surface finish:

- Spray-finished

Colour:

- Cover caps: RAL 9005/7035

Supply includes:

- 2 base/plinth components, 4 cover caps, 4 screws and cage nuts M12 for mounting on the enclosure



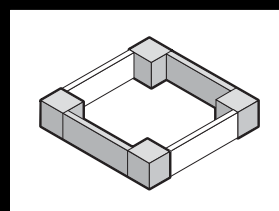
Also required:

- Depending on the application/load, side base/plinth trim panels, see page 620



Accessories:

- Base mounting plate 2817.000, see page 622
- Filter mats for vented base/plinth trim panel, see page 623



100 mm high, colour: RAL 7022

For enclosure width mm	Version	Model No.
300	solid	8601.915
400	solid	8601.400
600	solid	8601.600
800	solid	8601.800
850	solid	8601.850
1000	solid	8601.000
1100	solid	8601.300
1200	solid	8601.200
1600	solid	8601.920
1800	solid	8601.980

200 mm high, colour: RAL 7022

For enclosure width mm	Version	Model No.
300	solid	8602.915
400	solid	8602.400
600	solid	8602.600
800	solid	8602.800
850	solid	8602.850
1000	solid	8602.000
1100	solid	8602.100
1200	solid	8602.200
1600	solid	8602.920
1800	solid	8602.980

100 mm high, colour: RAL 7035

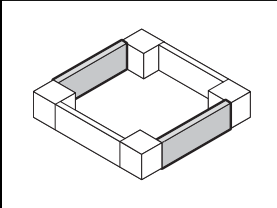
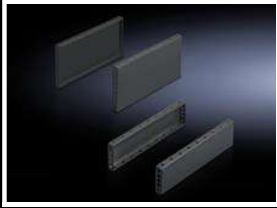
For enclosure width mm	Version	Model No.
300	solid	8601.905
600	solid	8601.605
600	vented	7825.601
800	solid	8601.805
800	vented	7825.801

200 mm high, colour: RAL 7035

For enclosure width mm	Version	Model No.
300	solid	8602.905
600	solid	8602.605
800	solid	8602.805

Base/plinth

Base/plinth TS



Base/plinth trim panels, sides

Sheet steel

for base/plinth components front and rear

For mounting between the base/plinth components. At 200 mm height, two 100 mm base/plinth trim panels may also be used. Base/plinth trim panels (100 mm high) may be installed rotated through 90° to stabilise bayed base/plinth components.

Material:

- Sheet steel

Surface finish:

- Spray-finished

Supply includes:

- 2 base/plinth trim panels, including parts for attaching to the base/plinth components



Also required:

- Base/plinth baying brackets 8601.100, see page 620, when base/plinth trim panels are installed rotated through 90°



Accessories:

- Fastening bolts for base/plinth, see page 622

100 mm high, colour: RAL 7022

For enclosure depth mm	Model No.
300	8601.030
400	8601.040
500	8601.050
600	8601.060
800	8601.080

200 mm high, colour: RAL 7022

For enclosure depth mm	Model No.
300	8602.030
400	8602.040
500	8602.050
600	8602.060
800	8602.080

100 mm high, colour: RAL 7035

For enclosure depth mm	Model No.
600	8601.065
800	8601.085
1000	8601.015
1200	8601.025

200 mm high, colour: RAL 7035

For enclosure depth mm	Model No.
600	8602.065
800	8602.085
1000	8602.015
1200	8602.025



Base/plinth baying brackets

for TS base/plinth

Required if the trim panels are mounted rotated through 90° for additional stabilisation during the transportation of bayed enclosures.

Additional brackets required for each trim panel: 2 pc(s).

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

- Screws M8 x 16 mm

Packs of	Model No.
20 pc(s).	8601.100

Base/plinth

Base/plinth TS

Cable chamber

for TS, SE

With integral system punchings for individual system accessories.

Height: 200 mm

Material:

- Sheet steel

Colour:

- RAL 7035

Supply includes:

- Sheet steel trim panels front and rear
- Assembly parts for mounting on the enclosure

For enclosures		Model No.
Width mm	Depth mm	
400	500	8600.455
400	600	8600.465
600	500	8600.655
600	600	8600.665
800	500	8600.855
800	600	8600.865
1200	500	8600.255
1200	600	8600.265



Accessories:

- Side panels for cable chamber, see page 621



Side panels

for cable chamber

Height: 200 mm

Material:

- Sheet steel

Colour:

- RAL 7035

Supply includes:

- Assembly parts

For enclosure depth mm	Packs of	Model No.
500	2 pc(s).	8600.510
600	2 pc(s).	8600.520



Transport castors

for TS base/plinth

For locating onto the base/plinth corner piece 100 or 200 mm high.

Load capacity:

- Maximum permissible load per twin castor: Static 100 kg

Supply includes:

- 4 twin castors, 2 x with, 2 x without locks

Colour:

- RAL 7022

Floor clearance mm	Model No.
100	8800.390



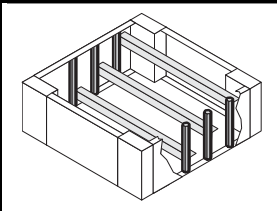
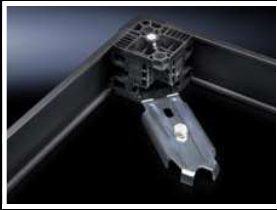
Also required:

- Base/plinth trim panels, side, see page 620



Base/plinth

Base/plinth TS



Base mounting plate

For

- TS base/plinth
- Flex-Block base/plinth system
- Base/plinth, complete

For fastening the base/plinth to the floor without moving the enclosure or bayed enclosure suite. For assembly screws up to 12 mm Ø.

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Packs of	Model No.
10 pc(s).	2817.000

Fastening bolts

For

- TS base/plinth
- Base/plinth, complete
- Base/plinth, stationary

For mounting on base/plinth trim panels, side. The lockable fastening bolt allows the installation of cable clamp rails. Tighten with hex spanner, width across flats 19 mm.

Material:

- Hexagonal steel

Surface finish:

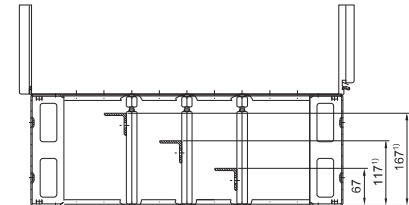
- Zinc-plated

For base/plinth trim panel height mm	Packs of	Model No.
100	10 pc(s).	2819.000
200	10 pc(s).	2819.200



Accessories:

- Cable clamp rail, see page 783



¹⁾ Only for height 200 mm

Levelling component

for TS base/plinth

For retrospective levelling on uneven floors at the installation site up to a maximum of 15 mm. Installed through the corner piece of the base/plinth component. Adjusted using a hex spanner, width across flats 19 mm.

Benefits:

- A door offset caused by uneven flooring can be corrected
- Installed on the assembled enclosure, i.e. no need to plan levelling in advance

Load capacity:

- Max. admissible static load: 2500 N per levelling component (check the load capacity of the floor)

Supply includes:

- Assembly parts

For base/plinth height mm	Packs of	Model No.
100	4 pc(s).	2891.000
200	4 pc(s).	2892.000

Base/plinth

Base/plinth TS

Cover cap

for TS base/plinth components

As a replacement.

Material:

- Plastic ABS

Colour:

- RAL 9005

For base/plinth height mm	Packs of	Model No.
100	4 pc(s).	8601.130
200	4 pc(s).	8601.140



Base/plinth, stationary

for PC, TP

Design-coordinated with the enclosures, height 100 mm, with front projection.

Material:

- Sheet steel, 2.0 mm

Colour:

- RAL 7035
- Design component, front: RAL 7015

Supply includes:

- 1 design component, front
- 1 base/plinth component, rear
- 2 base/plinth trim panels, side

For depth mm	Model No.
600	8800.920



Accessories:

- Twin castors 7495.000, see page 628
- Levelling feet 4612.000, see page 628
- Fastening bolts 2819.000, see page 622
- Support bracket 4183.000, see page 731



Filter mat

for base/plinth trim panel, vented

To cover the trim panel in the Flex-Block. The filter mat is simply inserted into the trim panel from the rear. May be shortened to the required length.

For enclosure width mm	Packs of	Model No.
600/800	4 pc(s).	7583.500



Filter mat

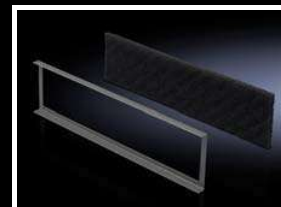
for base/plinth component, vented

To cover the trim panel in the base/plinth component. The mounting frame slides into position behind the filter mat in the base/plinth trim panel. Filter class G3 to DIN EN 779.

Supply includes:

Mounting frame

For enclosure width mm	Packs of	Model No.
600	1 pc(s).	7561.500
800	1 pc(s).	7581.500



Base/plinth

Base/plinth TS



Base/plinth components front and rear

Stainless steel for TS, SE

Material:

- Stainless steel 1.4301 (AISI 304)

Surface finish:

- Brushed, grain size 400

Supply includes:

- Mounting accessories for mounting on the enclosure

100 mm high:

- 2 trim panels front/rear

200 mm high:

- 2 corner pieces with removable trim panel
- 1 trim panel front/rear



Base/plinth trim panels, side

Stainless steel for base/plinth components front and rear

For mounting between the base/plinth components. At 200 mm height, two 100 mm base/plinth trim panels may be used. Base/plinth trim panels (100 mm high) may be installed rotated through 90° to stabilise bayed base/plinth components.

Material:

- Stainless steel 1.4301 (AISI 304)

Surface finish:

- Brushed, grain size 400

Supply includes:

- 2 base/plinth trim panels, including parts for attaching to the base/plinth components



Base/plinth plate, modular

for

- TS base/plinth, stainless steel
- Base/plinth, complete, stainless steel

For secure cable routing in the base/plinth between the floor and the enclosure.

Width: 175 mm

Material:

- Stainless steel 1.4301 (AISI 304)

Supply includes:

- 4 base/plinth plates

Note:

- One base/plinth plate is needed per 200 mm base/plinth width

For enclosure width mm	Height mm	Model No.
600	100	8701.600
800	100	8701.800
1000	100	8701.000
1200	100	8701.200
600	200	8702.600
800	200	8702.800
1000	200	8702.000
1200	200	8702.200



Accessories:

- Base/plinth plate, modular (perforated plate), see page 624.

For enclosure depth mm	Height mm	Model No.
400	100	8701.040
500	100	8701.050
600	100	8701.060
400	200	8702.040
500	200	8702.050
600	200	8702.060



Also required:

- Base/plinth baying brackets 8601.100, see page 620, when base/plinth trim panels are installed rotated through 90°



Accessories:

- Fastening bolts for base/plinth, see page 622

For enclosure depth mm	Packs of	Model No.
400	4 pc(s).	2907.000
500	4 pc(s).	2908.000
600	4 pc(s).	2913.000



Accessories:

- Cable tie 2597.000, see page 785

Base/plinth

Base/plinth

Base/plinth, complete

Sheet steel for AE, TP universal console

Trim panels at the front and rear with fitted corner pieces and side trim panels.

Material:

- Sheet steel

Surface finish:

- Spray-finished

Colour:

- RAL 7022

Supply includes:

- Mounting accessories for mounting on the enclosure

100 mm high:

- 4 corner pieces
- 2 trim panels front/rear
- 2 trim panels, side

200 mm high:

- 4 corner pieces
- 1 trim panel front/rear x 200 mm
- 2 trim panels front/rear x 100 mm
- 4 trim panels, side

Base/plinth for TP universal console, 100 mm high

For enclosures/consolas		Base/plinth depth mm	Model No.
Width mm	Depth mm		
600	500	450	2807.200

Base/plinth for AE, 200 mm high

For enclosures		Base/plinth depth mm	Model No.
Width mm	Depth mm		
600	300	279	2826.200
800	300	279	2828.200
1000	300	279	2802.200

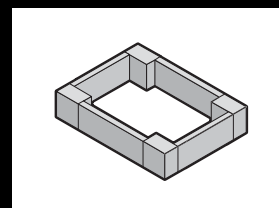
Base/plinth for AE, 100 mm high

For enclosures		Base/plinth depth mm	Model No.
Width mm	Depth mm		
600	300	279	2816.200
800	300	279	2818.200
1000	300	279	2801.200



Accessories:

- Fastening bolt, see page 622
- Base mounting plate, see page 622



Base/plinth, complete

Stainless steel for one-piece consoles, stainless steel

Height: 100 mm

Where necessary, 2 base/plinths may be installed one above the other.

Material:

- Stainless steel 1.4301 (AISI 304)

Surface finish:

- Brushed

Supply includes:

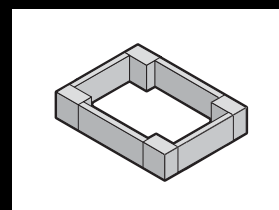
- Mounting accessories for mounting on the enclosure
- 2 trim panels front/rear
- 2 trim panels, side

For enclosures/consolas		Model No.
Width mm	Depth mm	
600	400	2865.000
800	400	2869.000
1000	400	2867.000
1200	400	2870.000



Accessories:

- Levelling feet, see page 626
- Base/plinth plate, modular (perforated plate), see page 624



Base/plinth

Base/plinth



Cast feet

- For secure siting of
- Enclosure for tower PC
 - or
 - Other customer equipment

Depth: 700 mm

Material:

- Cast aluminium

Colour:

- RAL 7035

Supply includes:

- Assembly parts

Packs of	Model No.
2 pc(s).	6902.920

Accessories:

- Base mount 6147.000, see page 205
- Twin castors, see page 628



Levelling feet

For direct mounting underneath the TS base/plinth and the base/plinth, complete. For unimpeded access e.g. when cleaning the floor, and to compensate for floor irregularities.

Load capacity:

- Max. admissible static load:
400 kg per levelling foot

Adjustment range:

- M12: 55 mm – 125 mm
- M16: 45 mm – 120 mm

Material:

- Stainless steel 1.4301 (AISI 304)

Thread	Packs of	Model No.
M12	4 pc(s).	2889.000
M16	4 pc(s).	2890.000

Possible alternative:

- Levelling feet Hygienic Design, see page 210



Cross member for TS, SE, CM, TP, PC, IW adjustable

- To increase stability
- Height 70 mm
- Adjustable to the enclosure depth

To increase stability, the cross member is positioned 138 mm above the base frame of the enclosure at the front and rear. For deeper enclosures, the rear part may be extended and screw-fastened again. For screw-fastening to the floor and enclosure with mounting hole at the sides, front and rear. The castors and levelling feet may be secured to the welded nuts M12.

Material:

- Sheet steel

Surface finish:

- Spray-finished

Colour:

- RAL 7015

For enclosure depth mm	Model No.
400	8601.450
500	
600	
800	8601.680

Accessories:

- Twin castors 6148.000, 7495.000, see page 628
- Levelling feet 4612.000, 7493.100, see page 628



Base/plinth

Base/plinth

Stabiliser

for TS IT

The pull-out stabiliser is quickly and easily retrofitted to the lower frame of the TS IT racks and only extended when necessary.

Load capacity:

- Up to a maximum of 150 kg static load

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

- Assembly parts

Note:

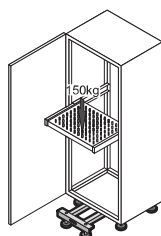
- The stabiliser cannot be used together with base plates, base frames or base/plinths

Enclosure depth mm	Packs of	Model No.
1000	1 pc(s).	7825.250



Also required:

- Levelling feet, see page 628 and/or
- Transport kit, see page 629



Base/plinth

for FlatBox

For attachment purposes, the base/plinth may be mounted on the pre-existing thread in the base area of the FlatBox. There is a rear recess provided for cable entry.

Material:

- Sheet steel

Surface finish:

- Powder-coated

Colour:

- RAL 7035

Supply includes:

- 4 levelling feet
- Assembly parts

For base area		Height mm	Packs of	Model No.
Width mm	Depth mm			
600	600	50	1 pc(s).	7507.750
700	700	50	1 pc(s).	7507.755



Base

Base



Levelling feet

for TS, TS IT, SE, PC, IW

To compensate for height differences with floor irregularities. Assembly thread M12. Optionally with hex socket for adjustment from the inside of the enclosure.

Load capacity:

- Max. admissible static load: approx. 300 kg per levelling foot

Hex socket	Adjustment height	Packs of	Model No.
without	18 – 43 mm	4 pc(s).	4612.000
with	18 – 63 mm	4 pc(s).	7493.100



Also required:

- For mounting on the TS base/plinth: Base/plinth adaptor 8800.220, see page 629
- For mounting on the Flex-Block base/plinth system: Adaptor sleeve 8000.500, see page 629



Levelling feet

for FlatBox M10 x 20 mm

For screw-fastening onto the enclosure base when used as a floor-standing or desktop enclosure. Width across flats 17, mounting thread multi-tooth 30.

Packs of	Model No.
4 pc(s).	7507.740



Levelling feet

85 – 115 mm high

For mounting on TS, SE and PC enclosures, for easier floor cleaning and to compensate for floor irregularities ±15 mm.

Height: 100 mm

Load capacity:

- Max. admissible static load: 350 kg per levelling foot

Material:

- Stainless steel 1.4301 (AISI 304)

Supply includes:

- Mounting accessories to the enclosure

Packs of	Model No.
4 pc(s).	2859.000



Possible alternative:

- Levelling feet Hygienic Design, see page 210



Twin castors

Mounting thread M12 x 20.

For:

- TS 8 baying system
- SE 8 free-standing enclosure system
- PC enclosure system
- Pedestal base plate
- Pedestal 6106.200/6106.300
- TopConsole pedestals
- Industrial Workstation
- Data Rack

	Maximum admissible static load (per castor)	75 kg
	Floor clearance	85 mm
1	Lock	2 with, 2 without
	Packs of	4 pc(s).
	Colour	Black with grey running surface
	Model No.	6148.000



Also required:

- For mounting on the TS base/plinth: Base/plinth adaptor for twin castors 8800.290, see page 630

	Maximum admissible static load (per castor)	120 kg
	Floor clearance	125 mm
2	Lock	2 with, 2 without
	Packs of	4 pc(s).
	Colour	Black
	Model No.	7495.000

Base

Base

Transport castors

for TE

The castors may be screw-fastened in the corner areas of the base frame in place of the levelling feet. Floor clearance: 58 mm, mounting thread M10 x 20

Supply includes:

- Assembly parts

Max. load capacity (static) per enclosure N	Packs of	Model No.
3000	4 pc(s).	7000.672



Transport kit

for TS IT

Floor clearance: approx. 40 mm

Load capacity:

- Max. admissible static load: 750 kg per enclosure

Supply includes:

- 4 castors (2 of which steerable) including assembly parts

Packs of	Model No.
4 pc(s).	7825.900

Note:

- Only for enclosures without gland plates and base tray/base mount



Adaptor sleeve

for Flex-Block

To accommodate levelling feet on the Flex-Block and for stacking the base/plinth corner pieces.

Material:

- Steel

Surface finish:

- Zinc-plated

Supply includes:

- 12 adaptor sleeves
- 8 screws M12
- 8 washers

Packs of	Model No.
12 pc(s).	8000.500



Accessories:

- Levelling feet 4612.000, see page 628



Base/plinth adaptor

for levelling feet

Connection component for fastening M12 levelling feet to the TS base/plinth.

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Packs of	Model No.
4 pc(s).	8800.220



Accessories:

- Levelling feet 4612.000, 7493.100, see page 628



Base

Base



Base/plinth adaptor

for twin castors

Connection component for mounting twin castors on the TS base/plinth.

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Packs of	Model No.
4 pc(s).	8800.290

Note:

- Base/plinth trim panels, side, see page 620, wherever a twin castor is fitted



Width divider

Divides 1200 mm wide TS and SE enclosures into two halves.

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

- 1 pc(s) =
1 bracket for right, 1 bracket for left, 2 compensating plates for the top, mounting accessories

Packs of	Model No.
1 pc(s).	8800.200



Also required:

- TS punched rail 18 x 38 mm, see page 720
- PS punched section without mounting flange, 23 x 73 mm, see page 722 depending on the installation situation



1st mounting position:

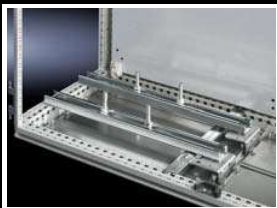
Two mounting plates side by side.

Two mounting plates (from 600 mm wide enclosures) in a 1200 mm wide enclosure permit independent positioning and easy handling.



Also required:

- Four TS punched rails 18 x 38 mm at the bottom, according to the enclosure depth, see page 720
- One PS punched section without mounting flange 23 x 73 mm at the top, according to the enclosure depth, see page 722



2nd mounting position:

System support rails, fitted on the left.

Heavy installed equipment rests on the system support rails, leaving the remaining floor space free, e.g. for unhindered cable entry.



Also required:

- 2 system support rails 4361.000, see page 724
- 1 TS punched rail 18 x 38 mm in accordance with the enclosure depth (included with the supply of the standard enclosure)



3rd mounting position:

Cable clamp rail, installed on the left.

With 1200 mm wide enclosures, the width divider allows cable entry and cable clamping to be arranged differently on the left and right of the enclosure.



Also required:

- 1 cable clamp rail 4191.000, see page 783
- 1 TS punched rail 18 x 38 mm in accordance with the enclosure depth (included with the supply of the standard enclosure)

Reinforcement bracket

for TS, SE, TP universal console

For use as an additional stabiliser to the clamping straps when populated enclosures are screw-fastened via the base tray to the base/plinth or pallet for transportation purposes.

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

- Assembly parts

Packs of	Model No.
4 pc(s).	8800.830



Trim panel

for CM, TP

To conceal the entire base opening with CM or as the cover for a TP pedestal.

Material:

- Sheet steel

Surface finish:

- Textured paint

Colour:

- RAL 7035

Protection category IP to IEC 60 529:

- IP 55

Supply includes:

- Assembly parts

For enclosure		Model No.
Width mm	Depth mm	
600	400	5001.130
800	400	5001.140
1000	400	5001.150
1200	400	5001.160
1600	400	6730.030
600	500	6730.100
800	500	6730.110
1200	500	6730.120
1600	500	6730.130



Clip parts

for gland plates

As replacement and for additional gland plate attachments in TS, SE, CM, TP.

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Packs of	Model No.
50 pc(s).	8800.075



Base

Base



Gland plate

for CM, TP

Potential equalisation is provided via assembly components and earthing points.

Material:

- Sheet steel

Surface finish:

- Zinc-plated


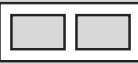
Supply includes:

- Assembly parts

Note:

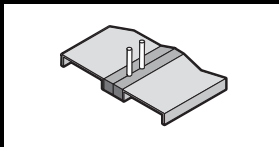
- For greater stability and universal cable entry, the base opening is divided in the width for 1000, 1200 and 1600 mm wide enclosures, and is suitable for various configurations

For enclosure depth 300 mm, complete module groups

	For enclosure/console width mm								
	One-piece base opening				Two-piece base opening				
									
For enclosure width	Packs of	Packs re-quired	600	800	Packs of	Packs re-quired	1000	1200	1600
Cable entry module groups			Model No.				Model No.		

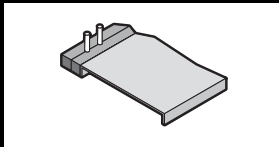
Cable clamp strip, centre

Gland plate, depth 50 mm	1 pc(s).	2	5001.210	5001.211	1 pc(s).	4	5001.212	5001.213	5001.233
Section for cable entry, centre	2 pc(s).	1	8802.060	8802.080	4 pc(s).	1	8802.100	8802.120	8802.160



Cable clamp strip, rear

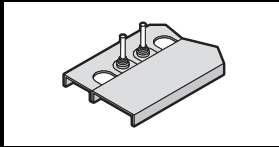
Gland plate, depth 100 mm	1 pc(s).	1	5001.214	5001.215	1 pc(s).	2	5001.216	5001.217	5001.234
Section for cable entry, rear	2 pc(s).	1	8802.065	8802.085	4 pc(s).	1	8802.105	8802.125	8802.165



Grommets, 1 x

Gland plate, depth 50 mm	1 pc(s).	1	5001.210	5001.211	1 pc(s).	2	5001.212	5001.213	5001.233
Cable entry plates for grommets	1 pc(s).	1	5001.226	5001.227	1 pc(s).	2	5001.228	5001.229	5001.237

Cable entry and connector grommets, see page 769



For cable glands

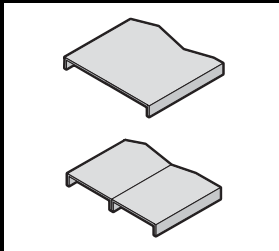
One-piece

Gland plate, depth 150 mm	1 pc(s).	1	5001.218	5001.219	1 pc(s).	2	5001.220	5001.221	5001.235
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Two-piece

Gland plate, depth 50 mm	1 pc(s).	1	5001.210	5001.211	1 pc(s).	2	5001.212	5001.213	5001.233
Gland plate, depth 100 mm	1 pc(s).	1	5001.214	5001.215	1 pc(s).	2	5001.216	5001.217	5001.234

Cable glands, see page 776



For enclosure depth 400 mm, complete module groups

	For enclosure/console width mm								
	One-piece base opening				Two-piece base opening				
For enclosure width			600	800			1000	1200	1600
Cable entry module groups	Packs of	Packs re-quired	Model No.		Packs of	Packs re-quired	Model No.		

Cable clamp strip, centre

Gland plate, depth 50 mm	1 pc(s).	1	5001.210	5001.211	1 pc(s).	2	5001.212	5001.213	5001.233
Gland plate, depth 150 mm	1 pc(s).	1	5001.218	5001.219	1 pc(s).	2	5001.220	5001.221	5001.235
Section for cable entry, centre	2 pc(s).	1	8802.060	8802.080	4 pc(s).	1	8802.100	8802.120	8802.160

Cable clamp strip, rear

Gland plate, depth 100 mm	1 pc(s).	2	5001.214	5001.215	1 pc(s).	4	5001.216	5001.217	5001.234
Section for cable entry, rear	2 pc(s).	1	8802.065	8802.085	4 pc(s).	1	8802.105	8802.125	8802.165

Cable clamp strip, centre and rear

Gland plate, depth 50 mm	1 pc(s).	1	5001.210	5001.211	1 pc(s).	2	5001.212	5001.213	5001.233
Gland plate, depth 100 mm	1 pc(s).	1	5001.214	5001.215	1 pc(s).	2	5001.216	5001.217	5001.234
Section for cable entry, centre	2 pc(s).	1	8802.060	8802.080	4 pc(s).	1	8802.100	8802.120	8802.160
Section for cable entry, rear	2 pc(s).	1	8802.065	8802.085	4 pc(s).	1	8802.105	8802.125	8802.165

Grommets, 1 x

Gland plate, depth 150 mm	1 pc(s).	1	5001.218	5001.219	1 pc(s).	2	5001.220	5001.221	5001.235
Cable entry plates for grommets	1 pc(s).	1	5001.226	5001.227	1 pc(s).	2	5001.228	5001.229	5001.237

Cable entry and connector grommets, see page 769

Grommets, 2 x

Gland plate, depth 50 mm	1 pc(s).	1	5001.210	5001.211	1 pc(s).	2	5001.212	5001.213	5001.233
Cable entry plates for grommets	1 pc(s).	2	5001.226	5001.227	1 pc(s).	4	5001.228	5001.229	5001.237

Cable entry and connector grommets, see page 769

EMC

EMC gland plate	1 pc(s).	1	8800.660	8800.680	1 pc(s).	2	8800.600	8800.620	-
Gland plate, depth 100 mm	1 pc(s).	1	5001.214	5001.215	1 pc(s).	2	5001.216	5001.217	-

Cable entry and connector grommets, see page 769

For cable glands

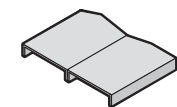
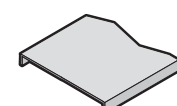
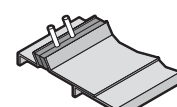
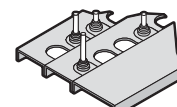
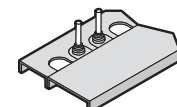
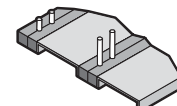
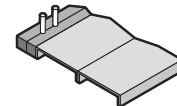
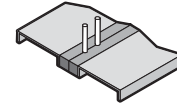
One-piece

Gland plate, depth 250 mm	1 pc(s).	1	5001.222	5001.223	1 pc(s).	2	5001.224	5001.225	5001.236
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Two-piece

Gland plate, depth 150 mm	1 pc(s).	1	5001.218	5001.219	1 pc(s).	2	5001.220	5001.221	5001.235
Gland plate, depth 100 mm	1 pc(s).	1	5001.214	5001.215	1 pc(s).	2	5001.216	5001.217	5001.234



Cable glands, see page 776



Base

Base

For enclosure depth 500 mm, complete module groups

	For enclosure/console width mm								
	One-piece base opening				Two-piece base opening				
									
For enclosure width	Packs of	Packs re-quired	600	800	Packs of	Packs re-quired	1000	1200	1600
Cable entry module groups			Model No.				Model No.		

Cable clamp strip, centre

Gland plate, depth 50 mm	1 pc(s).	1	5001.210	5001.211	1 pc(s).	2	5001.212	5001.213	5001.233
Gland plate, depth 250 mm	1 pc(s).	1	5001.222	5001.223	1 pc(s).	2	5001.224	5001.225	5001.236
Section for cable entry, centre	2 pc(s).	1	8802.060	8802.080	4 pc(s).	1	8802.100	8802.120	8802.160

Cable clamp strip, rear

Gland plate, depth 150 mm	1 pc(s).	2	5001.218	5001.219	1 pc(s).	4	5001.220	5001.221	5001.235
Section for cable entry, rear	2 pc(s).	1	8802.065	8802.085	4 pc(s).	1	8802.105	8802.125	8802.165

Cable clamp strip, centre and rear

Gland plate, depth 50 mm	1 pc(s).	1	5001.210	5001.211	1 pc(s).	2	5001.212	5001.213	5001.233
Gland plate, depth 100 mm	1 pc(s).	2	5001.214	5001.215	1 pc(s).	4	5001.216	5001.217	5001.234
Section for cable entry, centre	2 pc(s).	1	8802.060	8802.080	4 pc(s).	1	8802.100	8802.120	8802.160
Section for cable entry, rear	2 pc(s).	1	8802.065	8802.085	4 pc(s).	1	8802.105	8802.125	8802.165

Grommets, 1 x

Gland plate, depth 250 mm	1 pc(s).	1	5001.222	5001.223	1 pc(s).	2	5001.224	5001.225	5001.236
Cable entry plates for grommets	1 pc(s).	1	5001.226	5001.227	1 pc(s).	2	5001.228	5001.229	5001.237

Cable entry and connector grommets, see page 769

Grommets, 2 x

Gland plate, depth 150 mm	1 pc(s).	1	5001.218	5001.219	1 pc(s).	2	5001.220	5001.221	5001.235
Cable entry plates for grommets	1 pc(s).	2	5001.226	5001.227	1 pc(s).	4	5001.228	5001.229	5001.237

Cable entry and connector grommets, see page 769

EMC

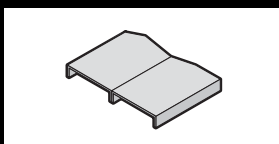
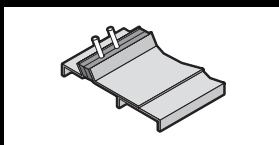
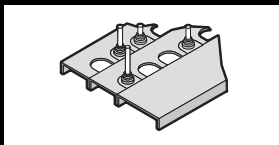
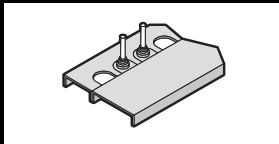
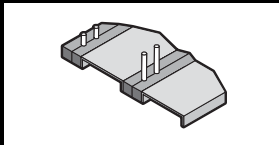
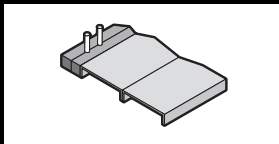
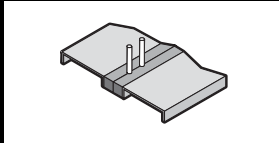
EMC gland plate	1 pc(s).	1	8800.660	8800.680	1 pc(s).	2	8800.600	8800.620	-
Gland plate, depth 100 mm	1 pc(s).	2	5001.214	5001.215	1 pc(s).	4	5001.216	5001.217	-

Cable entry and connector grommets, see page 769

For cable glands, two-piece

Gland plate, depth 100 mm	1 pc(s).	1	5001.214	5001.215	1 pc(s).	2	5001.216	5001.217	5001.234
Gland plate, depth 250 mm	1 pc(s).	1	5001.222	5001.223	1 pc(s).	2	5001.224	5001.225	5001.236

Cable glands, see page 776



Gland plate

for TS IT

Potential equalisation is provided via assembly components and earthing points.

■ Gland plate set

To conceal the entire base opening:

- Multi-piece, solid, with sliding panel
- One-piece, vented with filter mat and cable entry at the rear

■ Gland plate modules

Select suitable modules depending on the application

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

- Assembly parts



Accessories:

- Clip parts for gland plates, see page 631
- Filter mat for gland plate, one-piece, vented, see page 639



For enclosure depth 600 mm

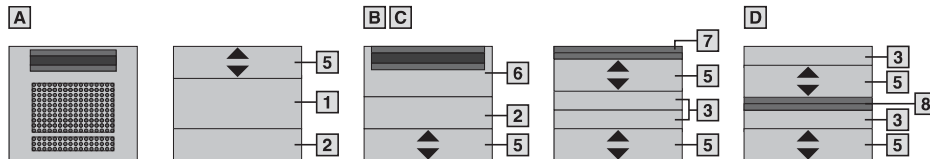
A Gland plate set	Packs of	Packs required	For enclosure width mm	
			600	800
Model No.				
Gland plate, multi-piece, solid, with sliding panel	1 pc(s).	1	–	5502.510
Gland plate, one-piece, vented	1 pc(s).	1	–	5502.310

Gland plate modules	Packs of	Packs required	For enclosure width mm	
			600	800

B 1 module plate as selected			Model No.		
Gland plate, depth 150 mm	1 pc(s).	1	5001.218	5001.219	
Sliding panel, depth 150 mm	1 pc(s).	1	5001.239	5001.240	
Module plate, depth 237.5 mm	1 pc(s).	1	Cable entry with brush strip	7825.361	7825.381
			Vented	7825.360	7825.380
			Cable entry with brush strip, super-airtight	7825.367	7825.387
			Cable entry, side	–	7825.388

C Cable entry, rear or front			Model No.	
Gland plate, depth 100 mm	1 pc(s).	2	5001.214	5001.215
Sliding panel, depth 150 mm	1 pc(s).	2	5001.239	5001.240
Foam rubber cable clamp strip	3 m	1	2573.000	2573.000

D Cable entry, centre			Model No.	
Gland plate, depth 100 mm	1 pc(s).	2	5001.214	5001.215
Sliding panel, depth 150 mm	1 pc(s).	2	5001.239	5001.240
Section for cable entry, centre	2 pc(s).	1	8802.060	8802.080



- 1 Gland plate, depth 250 mm
- 2 Gland plate, depth 150 mm
- 3 Gland plate, depth 100 mm
- 4 Gland plate, depth 50 mm
- 5 Sliding panel, depth 150 mm
- 6 Module plate, depth 237.5 mm
- 7 Foam rubber cable clamp strip
- 8 Section for cable entry, centre

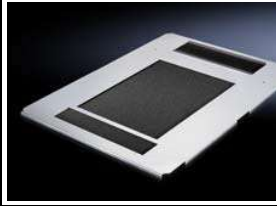


Also required:

- Base mount, see page 639

Base

Base



For enclosure depth 800 mm

A Gland plate set	Packs of	Packs required	For enclosure width mm	
			600	800
			Model No.	
Gland plate, multi-piece, solid, with sliding panel	1 pc(s).	1	-	5502.530
Gland plate, one-piece, vented	1 pc(s).	1	-	5502.330

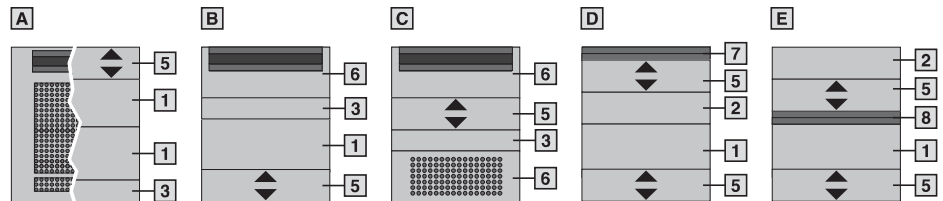
Gland plate modules	Packs of	Packs required	For enclosure width mm	
			600	800

B 1 module plate as selected				Model No.	
Gland plate, depth 250 mm	1 pc(s).	1	5001.222	5001.223	
Gland plate, depth 100 mm	1 pc(s).	1	5001.214	5001.215	
Sliding panel, depth 150 mm	1 pc(s).	1	5001.239	5001.240	
Module plate, depth 237.5 mm	Cable entry with brush strip	1 pc(s).	1	7825.361	7825.381
	Vented			7825.360	7825.380
	Cable entry with brush strip, super-airtight			7825.367	7825.387
	Cable entry, side			-	7825.388

C 2 module plates as selected				Model No.	
Gland plate, depth 150 mm	1 pc(s).	1	5001.218	5001.219	
Sliding panel, depth 150 mm	1 pc(s).	1	5001.239	5001.240	
Module plate, depth 237.5 mm	Cable entry with brush strip	1 pc(s).	2	7825.361	7825.381
	Vented			7825.360	7825.380
	Cable entry with brush strip, super-airtight			7825.367	7825.387
	Cable entry, side			-	7825.388

D Cable entry, rear or front				Model No.	
Gland plate, depth 250 mm	1 pc(s).	1	5001.222	5001.223	
Gland plate, depth 150 mm	1 pc(s).	1	5001.218	5001.219	
Sliding panel, depth 150 mm	1 pc(s).	2	5001.239	5001.240	
Foam rubber cable clamp strip	3 m	1	2573.000	2573.000	

E Cable entry, centre				Model No.	
Gland plate, depth 250 mm	1 pc(s).	1	5001.222	5001.223	
Gland plate, depth 150 mm	1 pc(s).	1	5001.218	5001.219	
Sliding panel, depth 150 mm	1 pc(s).	2	5001.239	5001.240	
Section for cable entry, centre	2 pc(s).	1	8802.060	8802.080	



- 1 Gland plate, depth 250 mm
- 2 Gland plate, depth 150 mm
- 3 Gland plate, depth 100 mm
- 4 Gland plate, depth 50 mm
- 5 Sliding panel, depth 150 mm
- 6 Module plate, depth 237.5 mm
- 7 Foam rubber cable clamp strip
- 8 Section for cable entry, centre

! Also required:

- Base mount, see page 639

For enclosure depth 1000 mm

A Gland plate set	Packs of	Packs required	For enclosure width mm	
			600	800
			Model No.	
Gland plate, multi-piece, solid, with sliding panel	1 pc(s).	1	5502.540	5502.550
Gland plate, one-piece, vented	1 pc(s).	1	5502.340	5502.350

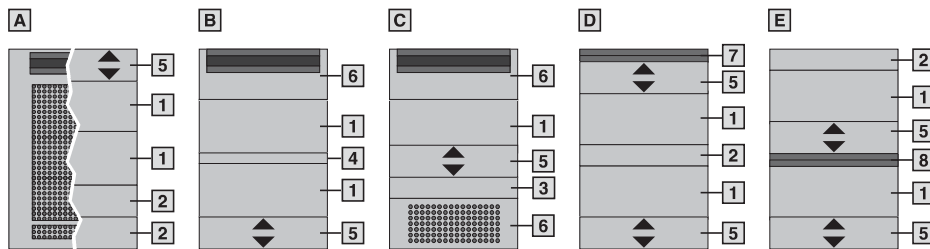
Gland plate modules	Packs of	Packs required	For enclosure width mm	
			600	800
			Model No.	

B 1 module plate as selected			Model No.		
Gland plate, depth 250 mm	1 pc(s).	2	5001.222	5001.223	
Gland plate, depth 50 mm	1 pc(s).	1	5001.210	5001.211	
Sliding panel, depth 150 mm	1 pc(s).	1	5001.239	5001.240	
Module plate, depth 237.5 mm	Cable entry with brush strip	1 pc(s).	1	7825.361	7825.381
	Vented			7825.360	7825.380
	Cable entry with brush strip, super-airtight			7825.367	7825.387
	Cable entry, side			-	7825.388

C 2 module plates as selected			Model No.		
Gland plate, depth 250 mm	1 pc(s).	1	5001.222	5001.223	
Gland plate, depth 100 mm	1 pc(s).	1	5001.214	5001.215	
Sliding panel, depth 150 mm	1 pc(s).	1	5001.239	5001.240	
Module plate, depth 237.5 mm	Cable entry with brush strip	1 pc(s).	2	7825.361	7825.381
	Vented			7825.360	7825.380
	Cable entry with brush strip, super-airtight			7825.367	7825.387
	Cable entry, side			-	7825.388

D Cable entry, rear or front			Model No.	
Gland plate, depth 250 mm	1 pc(s).	2	5001.222	5001.223
Gland plate, depth 100 mm	1 pc(s).	1	5001.214	5001.215
Sliding panel, depth 150 mm	1 pc(s).	2	5001.239	5001.240
Foam rubber cable clamp strip	3 m	1	2573.000	2573.000

E Cable entry, centre			Model No.	
Gland plate, depth 250 mm	1 pc(s).	2	5001.222	5001.223
Gland plate, depth 100 mm	1 pc(s).	1	5001.214	5001.215
Sliding panel, depth 150 mm	1 pc(s).	2	5001.239	5001.240
Section for cable entry, centre	2 pc(s).	1	8802.060	8802.080



- 1 Gland plate, depth 250 mm
- 2 Gland plate, depth 150 mm
- 3 Gland plate, depth 100 mm
- 4 Gland plate, depth 50 mm
- 5 Sliding panel, depth 150 mm
- 6 Module plate, depth 237.5 mm
- 7 Foam rubber cable clamp strip
- 8 Section for cable entry, centre

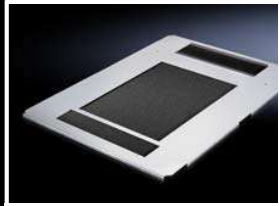
! Also required:

- Base mount, see page 639



Base

Base



For enclosure depth 1200 mm

A Gland plate set	Packs of	Packs required	For enclosure width mm	
			600	800
			Model No.	
Gland plate, multi-piece, solid, with sliding panel	1 pc(s).	1	5502.560	5502.570
Gland plate, one-piece, vented	1 pc(s).	1	5502.360	5502.370

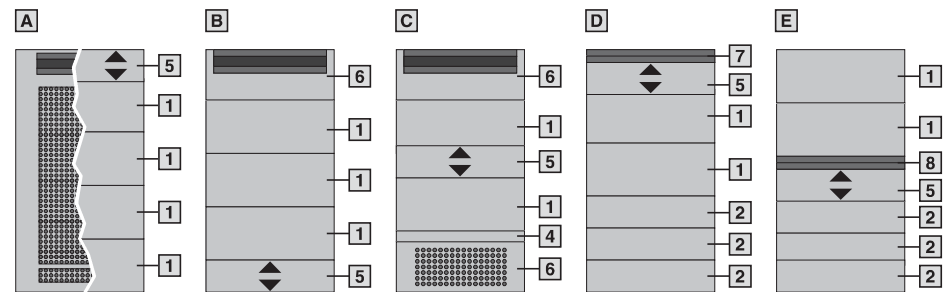
Gland plate modules	Packs of	Packs required	For enclosure width mm	
			600	800

B 1 module plate as selected			Model No.		
Gland plate, depth 250 mm	1 pc(s).	3	5001.222	5001.223	
Sliding panel, depth 150 mm	1 pc(s).	1	5001.239	5001.240	
Module plate, depth 237.5 mm	1 pc(s).	1	7825.361	7825.381	
			Vented	7825.360	7825.380
			Cable entry with brush strip, super-airtight	7825.367	7825.387
			Cable entry, side	-	7825.388

C 2 module plates as selected			Model No.		
Gland plate, depth 250 mm	1 pc(s).	2	5001.222	5001.223	
Gland plate, depth 50 mm	1 pc(s).	1	5001.210	5001.211	
Sliding panel, depth 150 mm	1 pc(s).	1	5001.239	5001.240	
Module plate, depth 237.5 mm	1 pc(s).	2	7825.361	7825.381	
			Vented	7825.360	7825.380
			Cable entry with brush strip, super-airtight	7825.367	7825.387
			Cable entry, side	-	7825.388

D Cable entry, rear or front			Model No.	
Gland plate, depth 250 mm	1 pc(s).	2	5001.222	5001.223
Gland plate, depth 150 mm	1 pc(s).	3	5001.218	5001.219
Sliding panel, depth 150 mm	1 pc(s).	1	5001.239	5001.240
Foam rubber cable clamp strip	3 m	1	2573.000	2573.000

E Cable entry, centre			Model No.	
Gland plate, depth 250 mm	1 pc(s).	2	5001.222	5001.223
Gland plate, depth 150 mm	1 pc(s).	3	5001.218	5001.219
Sliding panel, depth 150 mm	1 pc(s).	1	5001.239	5001.240
Section for cable entry, centre	2 pc(s).	1	8802.060	8802.080



- 1 Gland plate, depth 250 mm
- 2 Gland plate, depth 150 mm
- 3 Gland plate, depth 100 mm
- 4 Gland plate, depth 50 mm
- 5 Sliding panel, depth 150 mm
- 6 Module plate, depth 237.5 mm
- 7 Foam rubber cable clamp strip
- 8 Section for cable entry, centre

! Also required:

- Base mount, see page 639

Base mount

for TS IT

To accommodate gland plate modules.

- Tool-free mounting or screw-fastening
- Easily retrofitted and combined with stabiliser

Material:

- Sheet steel

Surface finish:

- Spray-finished

Colour:

- RAL 7035

Supply includes:

- 2 mounting rails including assembly parts

For enclosure depth mm	Packs of	Model No.
600	2 pc(s).	5501.300
800	2 pc(s).	5501.310
1000	2 pc(s).	5501.320
1200	2 pc(s).	5501.350



Gland plate, one-piece, vented

for TS IT

To completely cover the open base assembly in one piece. Perforated over the entire surface. This allows cold air to flow in from the base or base/plinth area, ensuring an inflow of cold air, particularly in enclosures with rack climate control. With a brush strip at the rear for user-friendly cable entry from below across the entire enclosure width. Integral guides permit simple accommodation of a filter mat, which is also readily replaced.

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

- Gland plate, one-piece, vented, with cable entry at the rear
- Filter mat
- Assembly parts

For enclosure width mm	For enclosure depth mm	Packs of	Model No.
800	600	1 pc(s).	5502.310
800	800	1 pc(s).	5502.330
600	1000	1 pc(s).	5502.340
800	1000	1 pc(s).	5502.350
600	1200	1 pc(s).	5502.360
800	1200	1 pc(s).	5502.370



! Also required:

- Base mount, see page 639

+ Accessories:

- Filter mat, see page 639

Filter mat

for gland plate, one-piece, vented

The filter mat may be cut to size according to the required cut-out.

Material:

- PPI 35-5/polyamide

To fit enclosure type	Packs of	Model No.
TS IT	1 pc(s).	5502.380



Base

Base



Gland plate module, vented

for TS, TS IT, SE

Large perforated section for passive enclosure ventilation.

Gland plate depth:

- 237.5 mm

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

- Filter mat and nylon tape

For enclosure width mm	Packs of	Model No.
600	1 pc(s).	7825.360
800	1 pc(s).	7825.380



Also required:

- Base mount for installation in TS IT, see page 639
- Gland plates for installation in TS IT, see page 635



Gland plate module, one-piece, with brush strip

for TS, TS IT, SE

For simple, sealed cable entry.

Gland plate depth:

- 237.5 mm

Material:

- Module plate: Sheet steel
- Brush strip: Plastic, UL 94-V0

Surface finish:

- Module plate: Zinc-plated

Supply includes:

- Assembly parts

For enclosure width mm	Packs of	Model No.
600	1 pc(s).	7825.361
800	1 pc(s).	7825.381



Also required:

- Base mount for installation in TS IT, see page 639
- Gland plates for installation in TS IT, see page 635



Gland plate module, two-piece, with brush strip

for TS, TS IT, SE

Special brush strips with brush strips offset on alternate sides offer maximum possible protection with professional cable entry. The two-piece design even allows retrospective fitting of the base module with the cables already installed.

Gland plate depth:

- 237.5 mm

Design:

- Cable entry with brush strip, super-airtight

Material:

- Module plate: Sheet steel
- Brush strip: Plastic, UL 94-V0

Surface finish:

- Module plate: Zinc-plated

Supply includes:

- Assembly parts

For enclosure width mm	Packs of	Model No.
600	1 pc(s).	7825.367
800	1 pc(s).	7825.387



Also required:

- Base mount for installation in TS IT, see page 639
- Gland plates for installation in TS IT, see page 635



Gland plate module for side cable entry

for TS, TS IT, SE

With adjustable openings on both sides and rubber cable clamp strip. The two-piece design even allows retrospective fitting of the base module with the cables already installed.

Gland plate depth:

- 237.5 mm

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

- Assembly parts

For enclosure width mm	Packs of	Model No.
800	1 pc(s).	7825.388



Also required:

- Base mount for installation in TS IT, see page 639
- Gland plates for installation in TS IT, see page 635



Module plates

for TE

The base area of the TE may be varied as required using the module plates.

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

- Assembly parts

Design compensating panel

Width mm	Depth mm	For enclosure width mm	Model No.
450	50	600	7526.750
450	150	600	7526.755
650	50	800	7526.790
650	150	800	7526.795

Design vented

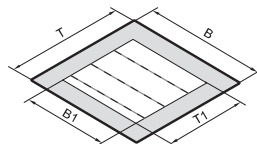
Width mm	Depth mm	For enclosure width mm	Model No.
450	200	600	7526.829
650	200	800	7526.834

Design solid

Width mm	Depth mm	For enclosure width mm	Model No.
450	200	600	7526.760
450	550	600	7526.770
450	750	600	7526.780
650	200	800	7526.800
650	550	800	7526.785
650	750	800	7526.820

Design with brush strip

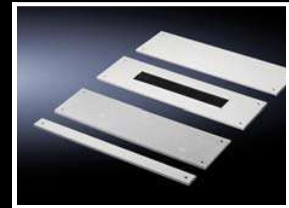
Width mm	Depth mm	For enclosure width mm	Model No.
450	200	600	7526.850
650	200	800	7526.860



Please note the following when selecting suitable module plates:

B1 = Enclosure width (B) - 150 mm

T1 = Enclosure depth (T) - 50 mm



Base

Base



Pressure relief stopper

Especially when enclosures are exposed to changing climatic conditions (e.g. with outdoor siting), condensation may form in sealed enclosures due to pressure differences. The integral sealing membrane largely prevents such pressure differences and hence condensation; additionally, it also prevents the ingress of moisture from the outside. Installed in vertical surfaces to protect against dirt.

Technical specifications:

- Air permeability up to 120 litres/hour with a pressure difference of 70 mbar
- Connection thread M12 x 1.5
- For fitting in wall thicknesses up to 4 mm

Packs of	Model No.
5 pc(s).	2459.500

Material:

- Polyamide

Colour:

- Similar to RAL9005

Protection category IP to IEC 60 529:

- IP 66, 68

Protection category IP to DIN 40 050-9:

- IP 69K

Supply includes:

- Lock nut



Condensate discharge

For reliable condensate discharge from the inside and protection against splashed water from the outside (labyrinth effect). A hole diameter of 16 mm is required. (With AE sheet steel, the holes are already provided in the base).

Material:

- Polyamide

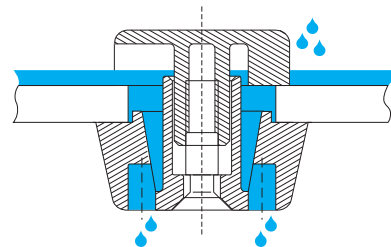
Colour:

- Similar to RAL 7035

Protection category:

- Protection from splashed water, when professionally installed at the bottom

Packs of	Model No.
6 pc(s).	2459.000



Walls

Side panels

Side panels, screw-fastened, sheet steel

for TS, TS IT

- Automatic potential equalisation and higher EMC protection, thanks to enclosure panel holders with earthing insert
- Easy positioning with the location aid
- Earthing bolt with contact surface

Material:

- Sheet steel, 1.5 mm

Surface finish:

- Dipcoat-primed, powder-coated on the outside

Colour:

- RAL 7035

Protection category IP to IEC 60 529:

- IP 55

Supply includes:

- Assembly parts

Note:

- Enclosure panel holders may optionally be fitted from the inside or outside of the enclosure
- Area available for population:
External dimension -100 mm

For enclosures		Packs of	Model No.
Height mm	Depth mm		
800	600	2 pc(s).	8173.235
1000	600	2 pc(s).	8174.235
1200	500	2 pc(s).	8115.235
1200	600	2 pc(s).	8170.235
1200	800	2 pc(s).	8175.235
1200	1000	2 pc(s).	8176.235
1400	500	2 pc(s).	8145.235
1400	600	2 pc(s).	8146.235
1400	800	2 pc(s).	8148.235
1600	500	2 pc(s).	8165.235
1600	600	2 pc(s).	8166.235
1600	800	2 pc(s).	8168.235
1800	400	2 pc(s).	8184.235
1800	500	2 pc(s).	8185.235
1800	600	2 pc(s).	8186.235
1800	800	2 pc(s).	8188.235
2000	400	2 pc(s).	8104.235
2000	500	2 pc(s).	8105.235
2000	600	2 pc(s).	8106.235
2000	800	2 pc(s).	8108.235
2000	1000	2 pc(s).	8100.235
2200	600	2 pc(s).	8126.235
2200	800	2 pc(s).	8128.235



Accessories:

- Earth straps, see page 762
- Enclosure panel holders, internal, see page 644, for heavy installed equipment and high dynamic pressures
- Hinges, see page 644



Side panels, screw-fastened, stainless steel

for TS

- Automatic potential equalisation and higher EMC protection thanks to enclosure panel holders
- Easy positioning with the location aid
- Earthing bolt with contact surface

Material:

- Stainless steel 1.4301 (AISI 304), 1.5 mm

Surface finish:

- Brushed, grain size 400

Protection category IP to IEC 60 529:

- IP 55

Supply includes:

- Assembly parts

For enclosures		Packs of	Model No.
Height mm	Depth mm		
1800	400	2 pc(s).	8700.840
1800	500	2 pc(s).	8700.850
2000	600	2 pc(s).	8700.060



Accessories:

- Enclosure panel holders, internal, see page 644, for heavy installed equipment and high dynamic pressures



Walls

Side panels



Baying frame, IP 66/NEMA 4, NEMA 4X

for TS

For baying enclosure systems.

- Automatic potential equalisation and higher EMC protection thanks to enclosure panel holders
- Easy positioning with the location aid
- Foamed-in on both sides

Material:

- Stainless steel 1.4301 (AISI 304), 1.5 mm

Surface finish:

- Brushed, grain size 400

Protection category IP to IEC 60 529:

- IP 66

NEMA protection category:

- NEMA 4
- NEMA 4X

Supply includes:

- Assembly parts

For enclosures		Packs of	Model No.
Height mm	Depth mm		
2000	600	1 pc(s).	8700.010



Enclosure panel fasteners, internal

for TS, SE

For additional fixing of the side or rear panel with heavy installed equipment and high dynamic loads.

Packs of	Model No.
10 pc(s).	8800.071



Hinges

for side panel, screw-fastened, sheet steel

The 180° opening angle allows unhindered access. Optionally installed either from the inside or outside of the enclosure. Simply replace 3 enclosure panel fasteners with hinges. Despite the hinge, the protection category of the enclosure is retained.

Material:

- Die-cast zinc

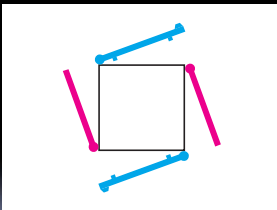
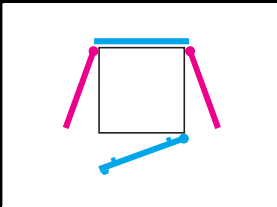
Supply includes:

- Assembly parts

Version	Packs of	Model No.
RAL 7035	6 pc(s).	8800.110

Note:

- Side panel and door hinges may only be installed on the same enclosure section when using a 180° door hinge (see page 684)
- Important: Red areas (side panels), hinged and unhinged, must always be opposite one another, and blue areas (doors/rear panels) must always be opposite one another
- Only one surface on each vertical enclosure section may be hinged



Walls

Side panels

Side panel, divided, lockable

for TS IT

- Easy handling and tool-free assembly
- Cam lock including security lock 3524 E
- Internal latch for optional retrofitting

Material:

- Sheet steel

Surface finish:

- Dipcoat-primed, powder-coated on the outside

Colour:

- RAL 7035

Supply includes:

- 1 top piece
- 1 bottom piece
- 2 cam locks including security lock 3524 E
- 2 earth conductors
- Assembly parts

For enclosures		Packs of	Model No.
Height mm	Depth mm		
1800	800	1 pc(s).	5501.000
2000	600	1 pc(s).	5501.010
2000	800	1 pc(s).	5501.020
2000	1000	1 pc(s).	5501.030
2000	1200	1 pc(s).	5501.040
2200	800	1 pc(s).	5501.050
2200	1000	1 pc(s).	5501.060
2200	1200	1 pc(s).	5501.070



Accessories:

- Internal latch 7824.510, see page 645



Side panel, lockable

for TS, TS IT

- Simply locate from above
- Lock via security lock no. 3524 E
- Earthing bolt with contact lug

Material:

- Sheet steel

Surface finish:

- Dipcoat-primed, powder-coated on the outside

Colour:

- RAL 7035

Supply includes:

- 8 cam locks including security lock 3524 E

For enclosures		Packs of	Model No.
Height mm	Depth mm		
800	600	2 pc(s).	7824.086
1200	600	2 pc(s).	7824.126
1200	800	2 pc(s).	7824.128
1200	1000	2 pc(s).	7824.120
1800	600	2 pc(s).	7824.186
1800	800	2 pc(s).	7824.188
2000	600	2 pc(s).	7824.206
2000	800	2 pc(s).	7824.208
2000	1000	2 pc(s).	7824.200
2200	600	2 pc(s).	7824.226
2200	800	2 pc(s).	7824.228
2200	1000	2 pc(s).	7824.220



Accessories:

- Internal latch 7824.510, see page 645



Internal latch

for side panel, lockable and side panel, divided, lockable

Additional security is achieved via the option of latching the side panel from the inside. The side panels on the frame section are screw-fastened from the inside with latching brackets.

Supply includes:

- Assembly parts

Packs of	Model No.
4 pc(s).	7824.510



Walls

Side panels



Side panels

for TE 8000

Simple assembly with insertion aid at the bottom and lock at the top. Earthing bolt with contact lug.

Material:

- Sheet steel

Surface finish:

- Spray-finished

Colour:

- RAL 7035

Protection category IP to IEC 60 529:

- IP 20

Supply includes:

- 4 cam locks including security lock 3524 E

For enclosure height mm	For enclosure depth mm	Packs of	Model No.
2000	800	2 pc(s).	7888.652
2000	1000	2 pc(s).	7888.653



Corrosion protection primer

The one-component primer is suitable as corrosion protection on paint-free spots which occur due to cut-outs etc. Used to renew corrosion protection of paint-free spots. The primer satisfies the requirements of standard IEC 61439 for low-voltage and switchgear assemblies.

Benefits:

- Exceptional bonding
- Active protection from corrosion
- Very high filling force

Colour:

- Dark grey

	Contents ml	Packs of	Model No.
Paint pen	12	1 pc(s).	2436.800
Paint tin	1000	1 pc(s).	2438.800



Paint

For touching up and repairing powder-coated and wet-painted surfaces, air-drying.

	Colour RAL	Model No.
Touch-up pen 12 ml	7035	2436.735
Tin 1000 ml	7035	2438.735
	7022	2581.000
Spray can 150 ml	7035	2440.735

Divider panels/partitions

Divider panel

for TS

For shielding individual enclosure cells. Thanks to the symmetry of the frame system, the divider panel can also be used at the rear. All-round, double fold for stability and to hold the seal.

Notches in the corners and half-way up the sides permit the use of angular baying brackets and baying brackets, even with a divider panel fitted.

For mounting on the outer mounting level, leaving the inner level free for further population.

Material:

- Sheet steel, 1.5 mm

Surface finish:

- Zinc-plated

Protection category IP to IEC 60 529:

- IP 54

Supply includes:

- Assembly parts

Note:

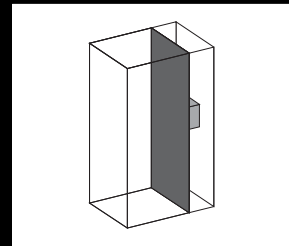
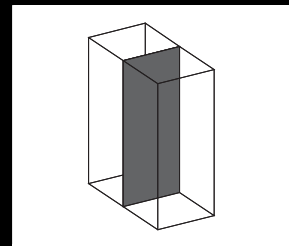
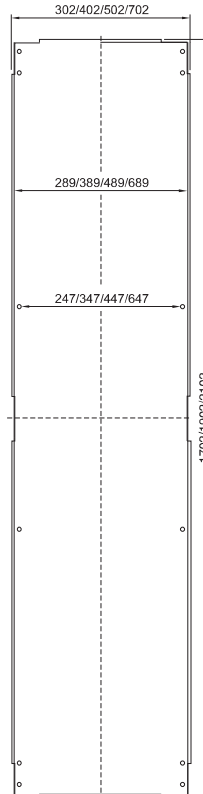
- The divider panel can also be fitted at the rear, allowing e.g. frequency converters for heat dissipation to be installed in a divider panel with the cooling units facing outwards and protected/finished off with a cover (see page 650)



Accessories:

- Cover with door, see page 650
- Baying attachment, vertical 8800.470 for enclosures with fitted divider panel, see page 656

For enclosures		Model No.
Height mm	Depth mm	
1800	400	8609.840
1800	500	8609.850
1800	600	8609.860
2000	400	8609.040
2000	500	8609.050
2000	600	8609.060
2000	800	8609.080
2200	600	8609.260



Partition

for TS IT

For rack mounting, suspended between two enclosures. With 3 Ø 40 mm holes in all 4 corner areas for the insertion of cables, conduits etc. Drilled holes may be sealed with the enclosed stepped collars.

For cable entry, simply cut off at a suitable level to match the required cross-section.

Material:

- Partition: Sheet steel
- Stepped collar: Plastic to UL 94-HB

Surface finish:

- Partition: Zinc-plated

Supply includes:

- 12 stepped collars, Ø 40 mm

For enclosures		Packs of	Model No.
Height mm	Depth mm		
2000	1000	1 pc(s).	7831.723
2000	1200	1 pc(s).	7831.724
2200	1000	1 pc(s).	7831.725
2200	1200	1 pc(s).	7831.726

Note:

- Not suitable for use in conjunction with a baying seal. Any existing seals must be removed prior to installation



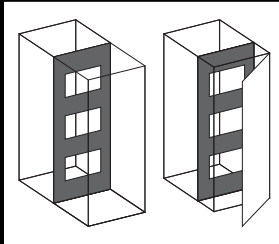
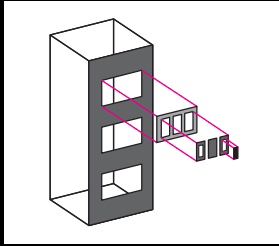
Accessories:

- Baying clamp 8800.490, see page 654



Walls

Divider panels/partitions



The divider panel and module plate system

More options:

The cut-outs of a divider panel are individually equipped with module plates for 16-pole or 24-pole connectors, with module plates for cable entry and with solid module plates.

Faster assembly:

Usually only some of the total number of connector cut-outs are used. Thanks to this new divider panel system, cut-outs need not be covered individually. The solid module plate is used instead. The benefit: Less plates, less screws, less assembly work.

Divider panel

for module plates TS

With cut-outs for the installation of module plates for connectors or for cable entry, and also for the entry of busbar systems and other installed equipment. All-round, double fold for stability and to hold the seal. Thanks to the symmetry of the enclosure frame, divider panels may also be fitted at the rear, dimensions permitting. For mounting on the outer mounting level, leaving the inner level free for further population.

Material:

- Sheet steel, 2 mm

Surface finish:

- Zinc-plated

Supply includes:

- Assembly parts and multi-tooth screws
- M5 x 12 mm for mounting the module plates.

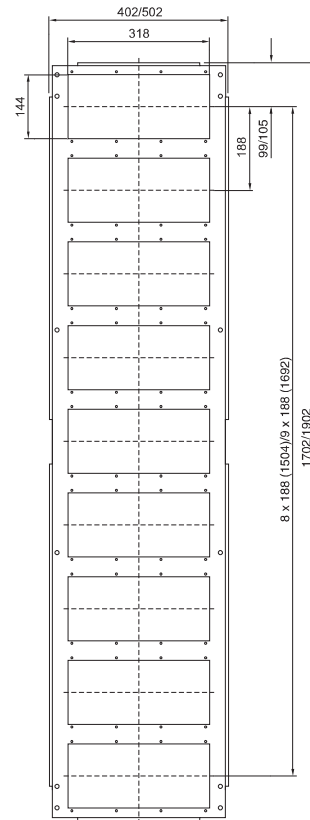
Note:

- Notches in the corners and half-way up the sides permit the use of angular baying brackets and baying brackets, even with a divider panel fitted



Accessories:

- Module plates, see page 649
- Cover with door, see page 650
- Baying attachment 8800.470 for enclosures with fitted divider panel, see page 656



For enclosures		Number of cut-outs	Model No.
Height mm	Depth mm		
1800	500	9	8609.100
1800	600	9	8609.110
2000	500	10	8609.120
2000	600	10	8609.130

Divider panels/partitions

Module plates

Material:

- Sheet steel, 2 mm

Surface finish:

- Zinc-plated

Supply includes:

- Seal

Version	Cut-outs	Packs of	Model No.
Solid	-	1 pc(s).	8609.160
For 16-pole connectors	4	1 pc(s).	8609.150
For 24-pole connectors	4	1 pc(s).	8609.140
For cable entry	1	1 pc(s).	8609.170
With cable sleeve	1	1 pc(s).	8609.390

Solid

For sealing unused cut-outs. Easily machined for individual cut-outs.

For 16/24-pole connectors

With cut-outs to accommodate connectors. In addition to mounting on divider panels, module plates may also be attached to the 25 mm pitch pattern of the enclosure and to the rails of the TS/PS system.



Accessories:

- Adaptor, cover plate, see page 650
- Connector gland for connector cut-outs, see page 778
- Connector gland sealing frame and sealing module, see page 779

For cable entry

For the entry of pre-assembled cables. Sealed, secure routing is achieved via adjustable angle brackets with inserted foam cable clamp strip. Fixed bracket, punched, for cable clamping.



Accessories:

- Cable tie for fast assembly 2597.000, see page 785

With cable sleeve

For 10 – 65 mm cable diameters. The flexible grommet adapts to the cable's bending radius.



Walls

Divider panels/partitions



Adaptor

for connector cut-outs

For using connectors with varying numbers of poles.

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

- Seal and assembly parts

For reduction	Packs of	Model No.
from 24 to 16 poles	5 pc(s).	2479.000
from 24 to 10 poles	5 pc(s).	2480.000
from 24 to 6 poles	5 pc(s).	2481.000
from 16 to 10 poles	5 pc(s).	2401.000
from 16 to 6 poles	5 pc(s).	2402.000



Cover plate

for connector cut-outs

For unused cut-outs.

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

- Seal and assembly parts

For	Packs of	Model No.
24-pole cut-outs	20 pc(s).	2477.000
16-pole cut-outs	20 pc(s).	2478.000



Cover with door

for TS

- To protect and finish off connectors or other installed equipment
- Optional cable entry from above or below

Material:

- Cover: Sheet steel, 1.5 mm
- Door: Sheet steel, 2.0 mm

Colour:

- RAL 7035

Supply includes:

- Cover
- Door with locking rod and double-bit lock insert
- 1 cover plate for top or bottom

For enclosures		Model No.
Height mm	Depth mm	
2000	500	8609.020
2000	600	8609.030



Accessories:

- Lock inserts, version F, see page 680
- Comfort handle, see page 674
- 180° hinge, see page 684

Isolator door lock

TS isolator door cover (US version)

Including main door latch for safety locking of enclosures and bayed enclosure suites in accordance with US regulations, only in conjunction with actuator lever for master switches from:

- Allen Bradley
- Square D
- General Electric
- Eaton
- Siemens

A detailed type overview can be found in the product description on our website

Benefits:

- In combination with
 - Operating mechanism
 - Adjacent door latch
 - Interconnecting rods
 meets the requirements of UL 508 A
- Compact design with 125 mm width, may optionally be fitted on the left or right of the enclosure. With this cover, all standard single-door TS 8 enclosures may be configured as isolator door enclosures. The complete installation surface of the enclosure is retained.
- In conjunction with the integrable TS 8 mounting plate infill, see page 702, the mounting surface of the main enclosure can be enlarged by around 14%

Note:

- Cover may only be mounted on a single-door enclosure with tubular door frame

Material:

- Sheet steel

Surface finish:

- Powder-coated

Colour:

- RAL 7035

Protection category IP to IEC 60 529:

- IP 55

Protection category to NEMA:

- NEMA 12

Supply includes:

- Main door lock, cover plate and assembly parts

Width mm	Height mm	Depth mm	Model No.
100	1800	400	8950.840
100	1800	500	8950.850
100	2000	500	8950.050
100	2000	600	8950.060

! Also required:

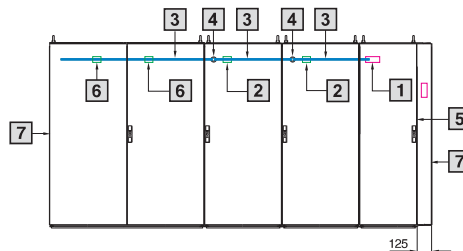
- Operating mechanism, 4912.000, for enclosure with isolator door cover and additionally every fourth adjacent enclosure, see page 651
- Adjacent door latch, 4911.000, 4911.100, for every adjacent enclosure, see page 651
- Interconnecting rods, for every adjacent enclosure in the appropriate enclosure width, see page 651
- Side panel TS, screw-fastened, see page 643

+ Accessories:

- Mounting plate infill, see page 702

Isolator door lock (US version)

- 1 Operating mechanism
- 2 Adjacent door latch (single-door)
- 3 Interconnecting rod
- 4 Connection component
- 5 Main door latch
- 6 Adjacent door latch (two-door)
- 7 Side panel TS, screw-fastened



Door latch for bayed enclosure suites

For extending the door locking of **commercially available master switches** to bayed suites TS. Adjacent doors cannot be opened until the main door has been opened.

1 Operating mechanism

Fitted in the enclosure with main switch and additionally in every fourth adjacent enclosure

2 Adjacent door latch

Installation in adjacent enclosure

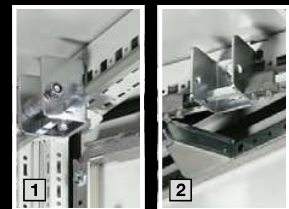
3 Interconnecting rods

To extend locking from the main enclosure to the adjacent enclosures of a bayed suite. An interconnecting rod corresponding to the width of the enclosure is required for each adjacent enclosure.

	Packs of	Model No.
Operating mechanism	1 pc(s).	4912.000

	Packs of	Model No.
Adjacent door latch for Single-door enclosures	1 pc(s).	4911.000
Two-door enclosures	1 pc(s).	4911.100

For enclosure width mm	Packs of	Model No.
600	10 pc(s).	4916.000
800	10 pc(s).	4918.000
1200	10 pc(s).	4920.000



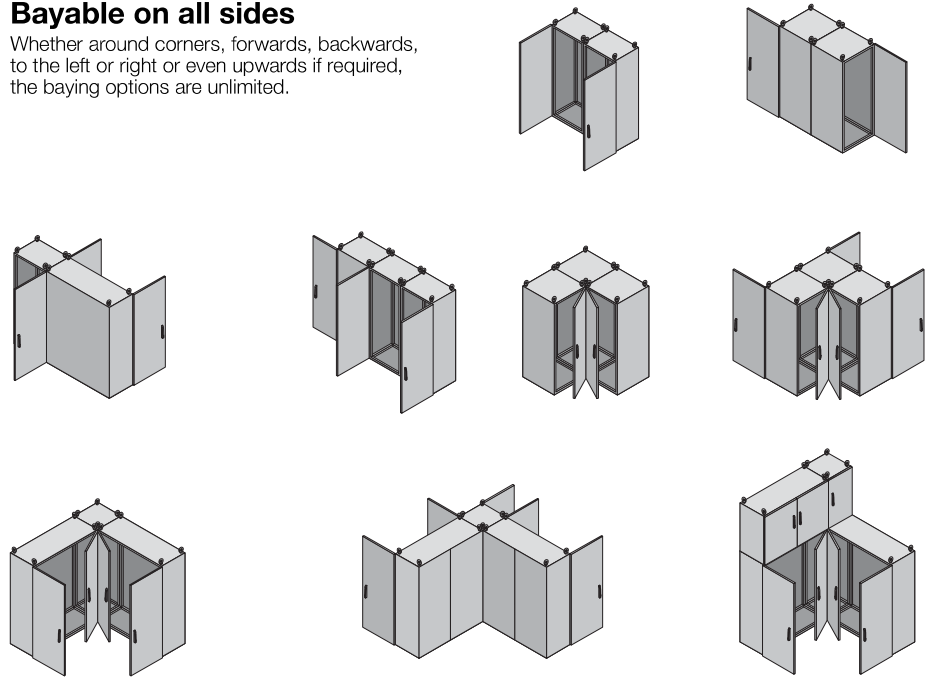
Baying system

Baying



Bayable on all sides

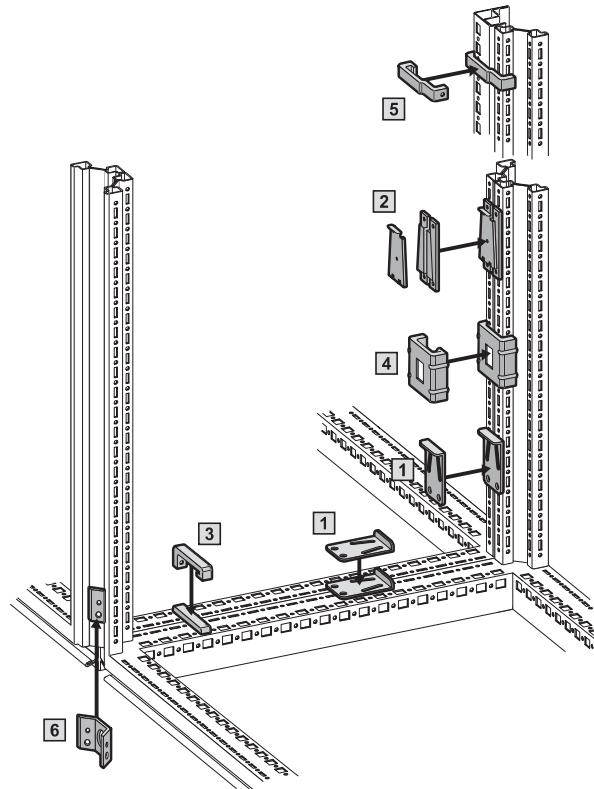
Whether around corners, forwards, backwards, to the left or right or even upwards if required, the baying options are unlimited.



For baying at the installation site or for provisional siting in the workshop

- 1 Quick-fit baying clamp, one-piece
- 2 Quick-fit baying clamp, three-piece
- 3 Baying clamp, horizontal
- 4 Baying clamp, vertical for TS/TS
- 5 Baying clamp, vertical for TS/PS
- 6 Baying connector, external

Notes on the transportation of bayed enclosures, see page 654



Baying system

Baying

1 Quick-fit baying clamp, one-piece

for TS/TS

Simply attach the screws, insert the quick-fit baying clamp, tap in with a hammer and lock.

Material:

- Sheet steel

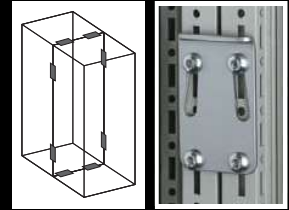
Surface finish:

- Zinc-plated

Supply includes:

- Assembly parts

Packs of	Model No.
6 pc(s).	8800.500



2 Quick-fit baying clamp, three-piece

for TS/TS

Simply locate, connect with the lock plate, and secure.

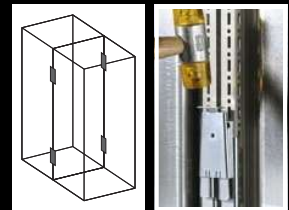
Material:

- Sheet steel

Surface finish:

- Zinc-plated

Packs of	Model No.
6 pc(s).	8800.590



3 Baying clamp, horizontal

for TS/TS, TS/PS

For mounting on the horizontal enclosure sections.

Material:

- Cast steel

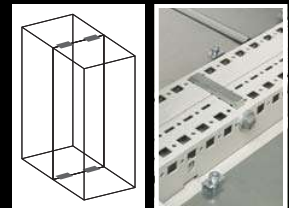
Surface finish:

- Zinc-plated

Supply includes:

- Assembly parts

Packs of	Model No.
4 pc(s).	8800.400



4 Baying clamp, vertical

for TS/TS

For mounting on the vertical enclosure sections.

Material:

- Sheet steel

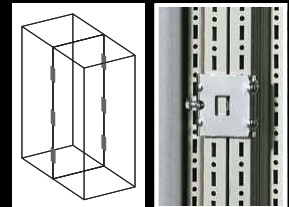
Surface finish:

- Zinc-plated

Supply includes:

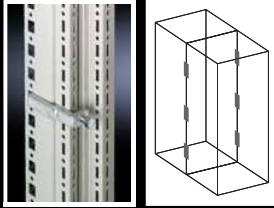
- Assembly parts

Packs of	Model No.
6 pc(s).	8800.410



Baying system

Baying



4 Baying clamp, vertical

for TS/PS

For mounting on the vertical enclosure sections.

Material:

- Cast steel

Surface finish:

- Zinc-plated

Supply includes:

- Assembly parts

Packs of	Model No.
6 pc(s).	8800.420



6 Baying connector, external

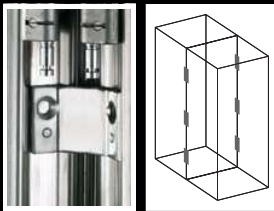
for TS/TS

For mounting on the vertical enclosure sections. Simply position on the outside and screw-fasten either from the inside or outside.

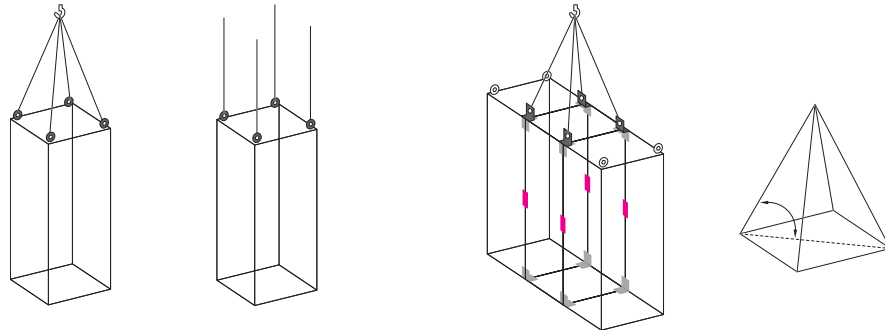
Supply includes:

- Assembly parts

Material/surface finish	Packs of	Model No.
Sheet steel, zinc-plated	6 pc(s).	8800.490
Stainless steel 1.4301 (AISI 304)	6 pc(s).	8700.000



Notes on the transport of bayed enclosures



Individual enclosures may be safely transported using the eyebolts included with the supply. For symmetrical loads, the following maximum permissible loads apply:
 for 45° cable pull angle 4,800 N,
 for 60° cable pull angle 6,400 N,
 for 90° cable pull angle 13,600 N.

Note:

- The eyebolts must be aligned in the direction of the cable pull

For the enclosure combination shown here with angular baying brackets, quick-fit baying clamps and combination angles, the load capacity with a cable pull angle of 60° is as follows:
 for the left-hand enclosure 7,000 N,
 for the middle enclosure 14,000 N,
 for the right-hand enclosure 7,000 N.

The cable pull angle between the roof plate and the cable has a significant influence on the total permissible load.

The cable pull angle must not be less than 45°, and ideally not less than 60°.

Baying system

Baying

When transporting bayed enclosures

- 7 Angular baying bracket for TS/TS
- 8 Baying bracket for TS/TS and TS/PS

Note:

- In addition, an external baying connector (see page 654) can be used for reinforcement
- When transporting large, heavy enclosure combinations by crane, we additionally recommend the use of combination angles 4540.000, see page 656



Also required:

- For protection category IP 55:
One quick-fit baying clamp is required half-way up the enclosure height, see page 653

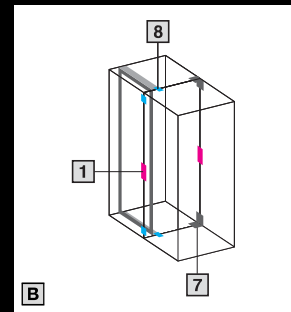
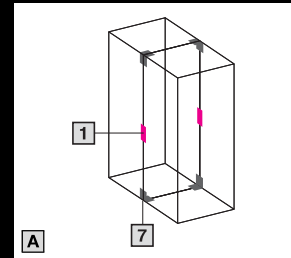
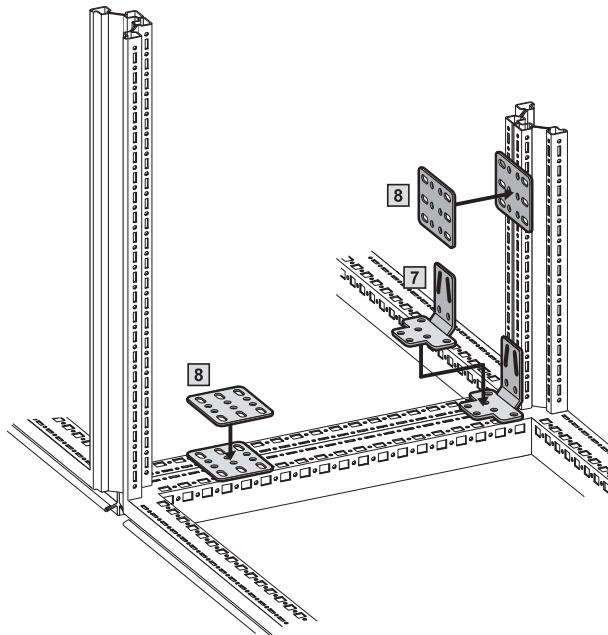
Notes on the transportation of bayed enclosures, see page 654

Example A

- 1 2 quick-fit baying clamps
8800.500
(see page 653)
- 7 4 angular baying brackets
8800.430
(see page 655)

Example B

- 1 2 quick-fit baying clamps
8800.500
(see page 653)
- 7 2 angular baying brackets
8800.430
(see page 655)
- 8 4 baying brackets
4582.500
(see page 656)
if the angular baying brackets cannot be fitted in the foremost installation position due to installed equipment such as large swing frames



7 Angular baying bracket

for TS/TS

For a stable connection when transporting bayed enclosure suites.

Screw-fastening either

- Horizontally and vertically with 8 screws
- Horizontally with 2 screws and M8 threaded blocks, vertically with 4 screws

is supported

Material:

- Sheet steel

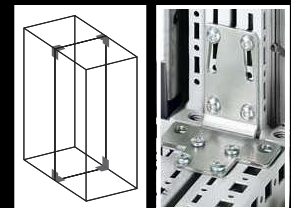
Surface finish:

- Zinc-plated

Supply includes:

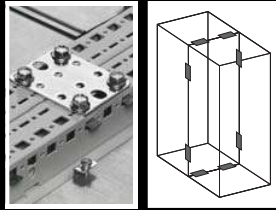
- Assembly parts

Packs of	Model No.
4 pc(s).	8800.430



Baying system

Baying



8 Baying brackets

for TS/TS and TS/PS

For additional stabilisation, or in cases where

- Mounting plate brackets
- Swing frames
- Busbar supports

prevent the installation of an angular baying bracket

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

- Assembly parts

Packs of	Model No.
4 pc(s).	4582.500

+ Accessories:

- For mounting on the vertical TS enclosure section:
Snap-on nut M8, 8800.808, see page 729



Angular baying brackets

The alternative to baying bracket 4582.500 and for individual interior installations.

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

- Assembly parts

Packs of	Model No.
4 pc(s).	4582.000

! Also required:

- For mounting on the horizontal TS enclosure section:
Cage nuts/threaded blocks M8, see page 736
- For mounting on the vertical TS enclosure section:
Snap-on nut M8, 8800.808, see page 729



Combination angle

For optimum distribution of tensile forces during transportation of bayed enclosures by crane.

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

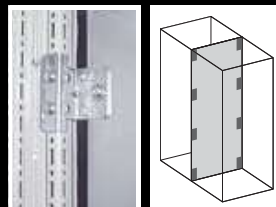
- Assembly parts

Packs of	Model No.
4 pc(s).	4540.000

+ Accessories:

- Top baying cover, see page 658

Notes on the transportation of bayed enclosures, see page 654



Baying attachment, vertical

for TS/TS with divider panel

Only suitable for mounting in conjunction with the angle brackets of the divider panel (included with the supply).

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

- Assembly parts

Packs of	Model No.
8 pc(s).	8800.470

Note:

- May also be used for side or rear wall attachment/fastening of enclosures. In such cases, additional holes must be drilled in the side or rear panel.

Baying system

Baying

Baying attachment, vertical

for TS/TS

For baying two populated enclosures on the vertical enclosure section.

Simply locate into the vertical TS punchings, secure and connect both brackets using the hex screws (supplied loose).

Using the fastening bolts, the enclosure is pulled into a defined end position, with a height or side offset of up to ± 2 mm.

Material:

- Sheet steel

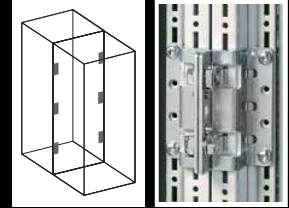
Surface finish:

- Zinc-plated

Supply includes:

- Assembly parts

Packs of	Model No.
6 pc(s).	8800.670



Baying cover, vertical

To balance out the gap between the side panels when baying back-to-back. For enclosure height 2200 mm, or may be cut to length individually for lower heights.

Material:

- Cover section: Plastic

Colour:

- RAL 7035

Supply includes:

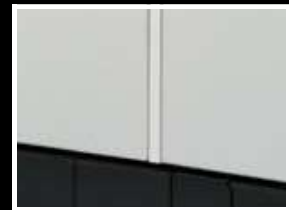
- Assembly parts

Packs of	Model No.
2 pc(s).	8800.870



Also required:

- Baying clamp, exterior, 8800.490, see page 654



Baying clamp, horizontal

for back-to-back mounting

Two-piece, for in situ assembly of enclosures with mounting plate in the rearmost installation position.

Material:

- Sheet steel

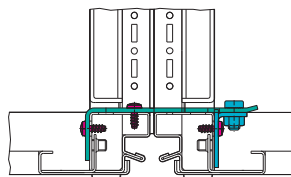
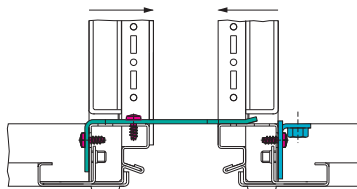
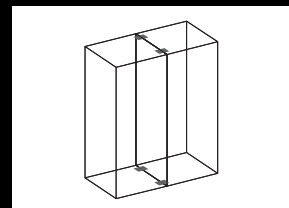
Surface finish:

- Zinc-plated

Supply includes:

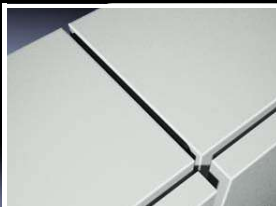
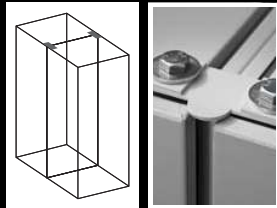
- Assembly parts

Packs of	Model No.
4 pc(s).	8800.170



Baying system

Baying



Baying cover, top

A cover with two end caps may additionally be clipped over the seal between the two enclosures. This prevents dirt and liquid from collecting on the baying seal.

Supply includes:

- Assembly parts
- 2 end caps

Note:

- May also be fitted in the width with enclosure suites bayed back-to-back
- May also be used in conjunction with dust guard trim, see page 691

For enclosure depth mm	Packs of	Plastic RAL 7035	Stainless steel 1.4301 (AISI 304)	Model No.
400	1 pc(s).	■	-	8800.845
500	1 pc(s).	■	-	8800.855
600	1 pc(s).	■	-	8800.865
800	1 pc(s).	■	-	8800.885
1200	1 pc(s).	■	-	8800.825
400	1 pc(s).	-	■	8700.140
500	1 pc(s).	-	■	8700.150
600	1 pc(s).	-	■	8700.160

Baying connector, external

for TS IT/TS IT with side panels

For retrospective baying of enclosures with screw-fastened or lockable side panels.

Material:

- Sheet steel

Colour:

- RAL 7035

Supply includes:

- Assembly parts

Packs of	Model No.
4 pc(s).	7824.540

Baying kit

for TE/TE

For connecting individual enclosures into bayed suites at the sides. The enclosures are connected between the base and roof frame.

Benefits:

- Baying of TE 8000 to TE 7000 enclosures is supported

Packs of	Model No.
4 pc(s).	7888.640

Material:

- Sheet steel, spray-finished

Colour:

- RAL 7035

Supply includes:

- Assembly parts

Baying kit

for KL, AE

Special screws and nuts

- For fast, simple assembly without thread-tapping
- Compression of the seal is limited to a predefined level, to ensure a long-lasting, permanent seal between enclosures

Seal, self-adhesive

- Comprised of bayable sealing elements and corner pieces, for individual adaptation to various enclosure sizes

One pack is sufficient for a baying point up to H x D = 800 x 350 mm

Packs of	Model No.
1 pc(s).	1199.100

Supply includes:

- Sealing elements
- Assembly parts

Doors/locks

Door variants

Tubular door frame

for TS, TS IT

To fit enclosures

- TS with width 400 mm
- TS IT with solid, vertically divided sheet steel doors

Application:

- For vertical mounting on the threaded bolts of the door

Material:

- Tube section: Sheet steel
- Corner connectors: Plastic

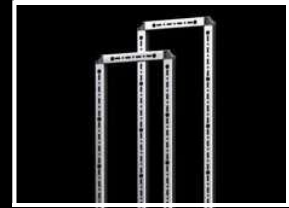
Surface finish:

- Tube section: Zinc-plated

Supply includes:

- Assembly parts

For doors		Packs of	Model No.
Width mm	Height mm		
300	2000	2 pc(s).	5501.200
400	2000	2 pc(s).	5501.210



Glazed door

for TS, TS IT, SE

Instead of a sheet steel door or rear panel.

Material:

- Frame: Extruded aluminium section
- Corner pieces: Die-cast zinc
- Viewing window: Single-pane safety glass, 3 mm

Surface finish:

- Powder-coated

Colour:

- Frame and corner pieces: RAL 7035
- Viewing window (printed mask on the inside): RAL 9005

Protection category IP to IEC 60 529:

- IP 55

Supply includes:

- Glazed door frame with safety glass
- Locking rod with double-bit lock insert
- 180° hinges, 4 pc(s).
- Visible area: W -140 mm, H -160 mm

For enclosures		Model No.
Width mm	Height mm	
600	1800	8610.685
800	1800	8610.885
600	2000	8610.605
800	2000	8610.805
600	2200	8610.625
800	2200	8610.825



Also required:

- When mounting instead of the rear panel or double door: Lock components for frame 8800.040, see page 660



Handle adaptor

The handle adaptor compensates for the design chamfer in the door profile to enable installation of the comfort handle.

Material:

- Plastic

Supply includes:

- 1 adaptor plate
- 1 bolt to extend the screw-on dome
- 2 assembly screws

For glazed door TS

Colour	Model No.
RAL 7035	8611.080

For designer door IW and PC, bottom door

Colour	Model No.
RAL 7035	8611.300



Doors/locks

Door variants



Lock components

for TS, TS IT, SE

For retrofitting a glazed door or sheet steel door in place of a rear panel.

Material:

- Die-cast zinc

Supply includes:

- Assembly screws

Packs of	Model No.
4 pc(s).	8800.040



Glazed door, vented

for TS, TS IT, SE

Surface perforated on both sides with air inlet openings > 78% for optimum air throughput.

Material:

- Door: Sheet steel
- Viewing window: Single-pane safety glass, 3 mm

Surface finish:

- Powder-coated

Colour:

- RAL 7035

Supply includes:

- Glazed door, vented
- Comfort handle for semi-cylinders with security lock 3524 E
- 180° hinges, 4 pc(s).
- Assembly parts

For enclosures		Packs of	Model No.
Width mm	Height mm		
600	2000	1 pc(s).	7824.201
800	2000	1 pc(s).	7824.202
800	2200	1 pc(s).	7824.222



Accessories:

- 180° hinge for bayed TS enclosure suites with comfort handle 7824.520, see page 684



Assembly instruction:

- For TS enclosure suites with sheet steel doors, only the 180° hinge 7824.520 may be used



Lockable and adjacent door

for TS, TS IT, SE

For example, if two 400 mm doors instead of one 800 mm wide door are used to comply with escape routes.

Material:

- Sheet steel

Surface finish:

- Dipcoat-primed, powder-coated on the outside

Protection category IP to IEC 60 529:

- IP 55

Supply includes:

- 2 doors, including tubular door frame, hinges and lock parts

For enclosures		Colour RAL	Model No.
Width mm	Height mm		
800	2000	7035	8801.450



Accessories:

- Lock system, see page 674

Doors/locks

Door variants

Protective bar

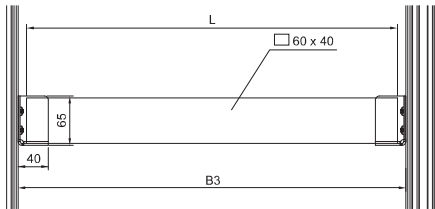
for TS, SE

As an alternative to a door, e.g. in sealed switch rooms. Prevents people from falling into the open enclosure frame. Easily removable for maintenance purposes.

For 1200 mm enclosure width; may be shortened or divided for other sizes.

Material:

- Wood, spray-finished, RAL 3000



For enclosure width mm	Length mm	Packs of	Model No.
1200	1090	1 pc(s).	8801.010

Enclosure width mm	Clearance between the enclosure frame (B3) mm	Length of protective bar (L) mm
400	312	290 ¹⁾
600	512	490 ¹⁾
800	712	690 ¹⁾
1000	912	890 ¹⁾
1200	1112	1090

¹⁾ The protective bar 8801.010 (1090 mm) will need to be shortened



Holder

for protective bars

For mounting on the vertical section. The protective bar is simply inserted.

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

- Assembly screws

Packs of	Model No.
2 pc(s).	8801.000



Variable modular climate control concept

Instead of an enclosure door in a 600 mm/800 mm/1200 mm wide and 1800 mm/2000 mm high TS enclosure, section doors with integral cooling module may be retrofitted without major assembly work.

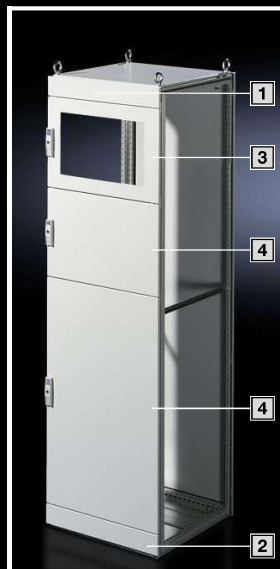
Possible alternative:

- Modular climate control concept, see page 434/435



Doors/locks

Installation accessories for modular front design TS



Modular front design

for TS 8 baying systems

(see page 89)

Suitable for 400, 600 and 800 mm wide TS enclosures instead of a door or rear panel. The partial doors with and without viewing panels including cross members may be combined with one another as required. A trim panel is required at the top and bottom in each case. The requirements for your individual front design and the considerations which must be taken into account are illustrated on the sample configuration opposite.

- 1 Front trim panel, top
- 2 Front trim panel, bottom
- 3 Partial door with viewing window
- 4 Partial door

Protection category IP to IEC 60 529:

- IP 54 for a completed enclosure

Partial doors

for TS

The door may be optionally hinged on the right or left. The partial door is attached to the TS enclosure with no drilling required. In the case of partial doors without a viewing panel (height 600 – 1000 mm), monitor frame 2305.000 may be installed. Standard double-bit lock insert may be exchanged for lock inserts, type F, and from a height of 600 mm, for comfort handles.

Material:

- Partial door: Sheet steel, 2 mm
- Viewing window: 3 mm single-pane safety glass

Surface finish:

- Textured paint

Colour:

- RAL 7035

Supply includes:

- Cross member, hinges and lock components
- Assembly parts

! Also required:

- Front trim panels, see page 663 or top-hinged trim panel, see page 664
- Front trim panels, bottom, see page 663

+ Accessories:

- Monitor frame 2305.000, see page 668
- Lock inserts, version F, see page 680
- Comfort handle, see page 674
- Perforated mounting strips, see page 663

For enclosure width 400 mm

Height mm	With viewing window	Packs of	Model No.
150	-	1 pc(s).	9672.141
200	-	1 pc(s).	9672.142
300	-	1 pc(s).	9672.143
400	-	1 pc(s).	9672.144
600	-	1 pc(s).	9672.146
800	-	1 pc(s).	9672.148
1000	-	1 pc(s).	9672.140
1600	-	1 pc(s).	9672.156
1800	-	1 pc(s).	9672.158
2000	-	1 pc(s).	9672.150

For enclosure width 600 mm

Height mm	With viewing window	Packs of	Model No.
150	-	1 pc(s).	9672.161
200	-	1 pc(s).	9672.162
300	-	1 pc(s).	9672.163
400	-	1 pc(s).	9672.164
600	-	1 pc(s).	9672.166
600	■	1 pc(s).	9672.167
800	-	1 pc(s).	9672.168
800	■	1 pc(s).	9672.169
1000	-	1 pc(s).	9672.160
1600	-	1 pc(s).	9672.176
1800	-	1 pc(s).	9672.178
2000	-	1 pc(s).	9672.170

For enclosure width 800 mm

Height mm	With viewing window	Packs of	Model No.
150	-	1 pc(s).	9672.181
200	-	1 pc(s).	9672.182
300	-	1 pc(s).	9672.183
400	-	1 pc(s).	9672.184
600	-	1 pc(s).	9672.186
600	■	1 pc(s).	9672.187
800	-	1 pc(s).	9672.188
1000	-	1 pc(s).	9672.180
1600	-	1 pc(s).	9672.196
1800	-	1 pc(s).	9672.198
2000	-	1 pc(s).	9672.190

Doors/locks

Installation accessories for modular front design TS

Perforated mounting strips

for partial doors

For retrospective external mounting. The perforated mounting strips have a 25 mm pitch pattern of holes and may be used for individual mountings on the rear side of the door, e.g. cable ducts, hose holders etc.

Hole diameter of perforated mounting strip: 4.5 mm

Material:

- Sheet steel, 1 mm

Surface finish:

- Zinc-plated

Supply includes:

- Assembly parts

For enclosure width mm	Length mm	For partial door height mm	Packs of	Model No.
400	298	150 – 800	10 pc(s).	9671.204
600	498	150 – 800	10 pc(s).	9671.206
800	698	150 – 800	10 pc(s).	9671.208



Front trim panels, top

for TS

To finish off the modular front design at the top when using partial doors. The front trim panels may be removed from the outside by unscrewing. The cross member required for mounting is included with the supply of the mounted partial door.

Material:

- Sheet steel, 2 mm

Surface finish:

- Textured paint

Colour:

- RAL 7035

Protection category IP to IEC 60 529:

- IP 54

Supply includes:

- Assembly parts

For enclosure width mm	Height mm	Packs of	Model No.
400	100	1 pc(s).	9672.314
400	300	1 pc(s).	9672.324
600	100	1 pc(s).	9672.316
600	300	1 pc(s).	9672.326
800	100	1 pc(s).	9672.318
800	300	1 pc(s).	9672.328



Front trim panels, bottom

for TS

To finish off the modular front design at the bottom when using partial doors. If version IP 2X is chosen, a roof plate with protection category IP 2X should be selected for top ventilation. The front trim panels may be removed from the outside by unscrewing.

Material:

- Sheet steel, 2 mm

Surface finish:

- Textured paint

Colour:

- RAL 7035

Supply includes:

- Front trim panel including cross member
- Assembly parts

Protection category IP 54

For enclosure width mm	Height mm	Packs of	Model No.
400	100	1 pc(s).	9672.334
400	300	1 pc(s).	9672.344
600	100	1 pc(s).	9672.336
600	300	1 pc(s).	9672.346
800	100	1 pc(s).	9672.338
800	300	1 pc(s).	9672.348

Protection category IP 2X

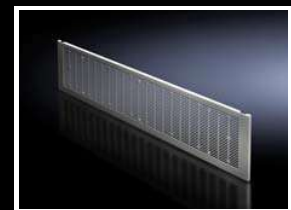
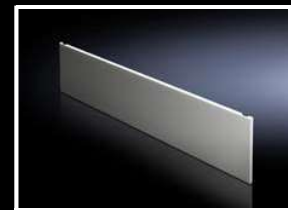
For enclosure width mm	Height mm	Packs of	Model No.
400	300	1 pc(s).	9672.354
600	300	1 pc(s).	9672.356
800	300	1 pc(s).	9672.358

Also required:

Roof plate IP 2X, see page 693

Accessories:

Upgrade kit IP 4X, see page 665



Doors/locks

Installation accessories for modular front design TS



Trim panel, hinged at the top

for TS

For the installation of control and display components, in conjunction with

- Modular front design
- Protective bar TS

Material:

- Sheet steel, 2 mm

Surface finish:

- Textured paint

Colour:

- RAL 7035

Supply includes:

- Hinges, cam locks with double-bit insert and assembly parts

Width mm	Height mm	Packs of	Model No.
600	300	1 pc(s).	8801.230
800	300	1 pc(s).	8801.240
1200	300	1 pc(s).	8801.250

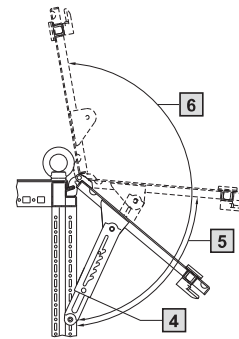
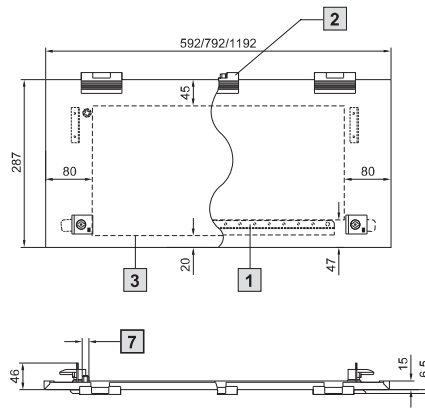
Note:

- Not in combination with top-mounting module for TS (see page 692)



Accessories:

- Stay for trim panel, hinged at the top, see page 664
- Lock inserts, type A, see page 680



1 Only for width 800 mm and 1200 mm

2 Only for width 1200 mm

3 Usable interior area

4 Optional: Stay 8801.260

5 Maximum opening angle with stay approx. 85°

6 Maximum opening angle without stay approx. 190°

7 Earthing bolt M8



Drawer

for TS

For mouse and keyboard with a maximum width of 500/700 mm.

A high level of protection is retained, even with the flap open.

Standard double-bit lock insert may be exchanged for 27 mm lock inserts, type A, plastic handles, type B and T handles, type B.

Material:

- Sheet steel

Colour:

- RAL 7035

Height mm	Width mm	Model No.
200	600	8801.715
200	800	8801.915

Supply includes:

- Flap and assembly parts
- Cross member



Accessories:

- Lock inserts, 27 mm, type A, see page 680
- Plastic handle, type B, see page 679
- T handles, type B, see page 679



Support stay

for trim panel, hinged at the top

5 pitch pattern positions up to a maximum opening angle of approx. 85°.

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Packs of	Model No.
2 pc(s).	8801.260

Installation accessories for modular front design TS

Upgrade kit IP 4X

for front trim panels, bottom

To increase the protection category of the bottom front trim panel from IP 2X to IP 4X. The upgrade kit is attached to the front trim panel from the inside and secured.

Material:

- Sheet steel (expanded metal)

Surface finish:

- Zinc-plated

Supply includes:

- Assembly parts

For enclosure width mm	For front trim panel height mm	Packs of	Model No.
400	300	1 pc(s).	9672.384
600	300	1 pc(s).	9672.386
800	300	1 pc(s).	9672.388



Wiring system

for Ri4Power with internal compartmentalisation

The wiring system facilitates vertical and horizontal cable routing in conjunction with internal Form 2-4 separation.

For vertical cable routing, pre-punched cut-outs are provided in the mounting brackets for compartment dividers, which can easily be knocked out and used to install a vertical wiring channel.

Horizontal cable routing occurs behind the front trim panels. This entails fitting a wiring trim panel which is suitable for accommodating a wiring channel while at the same time concealing the busbar system.

Wiring trim panel

Inner front cover of the main busbar system with the option of mounting a wiring channel size W x D 40 x 20 mm. For use in Ri4Power switchgear with 300 mm high front trim panels.

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

- Assembly parts

For enclosure width mm	Packs of	Model No.
400/600	1 pc(s).	9674.550
800/1000/1200	1 pc(s).	9674.560



Doors/locks

Viewing panels/operating panels



System window

To conceal display and operating instruments or cut-outs, and to protect against dirt and liquids as well as unauthorised access.

Consisting of the following 2 components:

1. Base frame:

- Easily screw-fastened to the door thanks to modified dimensions (tubular door frame may be used as a drilling template)
- Readily height-adjustable
- Stabilises the door cut-out
- Conceals the cut edge
- The rain canopy
 - prevents dirt from landing on the seal
 - protects the glass from being lifted out
 - prevents the ingress of dirt, and prevents moisture from running behind the window when opened
- Frame section height 30 mm or 60 mm

2. Viewing window:

- Made from single-pane safety glass:
 - High level of resistance to solvents and scratches
 - Anti-static
 - Reduced risk of injury if broken
- Cam lock with double-bit insert, may be exchanged for lock inserts, type A, and semi-cylinders in the Ergoform-S lock system (not with 2735.500 and .560)
- Hinge with 180° opening angle, easily inserted

Material:

- Extruded aluminium sections with die-cast zinc corner pieces and single-pane safety glass

Surface finish:

- Base frame: Powder-coated in RAL 7035
- Hinge and lock section: Natural-anodised

Protection category IP to IEC 60 529:

- IP 54

Note:

- Not suitable for outdoor siting

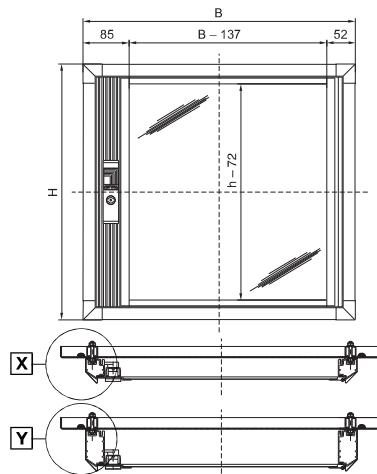
30 section

To fit TS, SE with width mm	Window size, exterior mm		Model No.
	B	H	
600	500	270	2735.500
		370	2735.510
		470	2735.520
		570	2735.530
800	700	670	2735.540
		270	2735.560
		370	2735.570
		470	2735.580
		570	2735.590
		670	2735.250

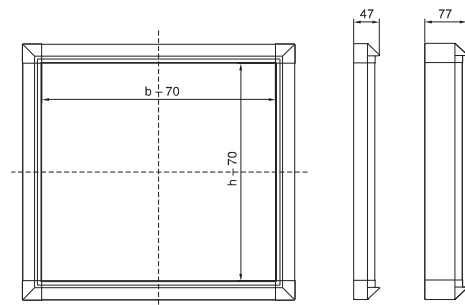
60 section

To fit TS, SE with width mm	Window size, exterior mm		Model No.
	B	H	
600	500	370	2736.510
		470	2736.520
		570	2736.530
		670	2736.540
800	700	670	2736.500

Standard double-bit lock insert may be exchanged for lock inserts 27 mm, type A, see page 680 and for lock system Ergoform-S (except H = 270 mm), see page 678

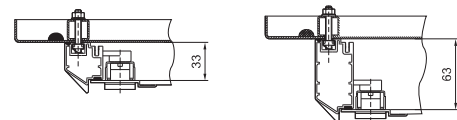


Viewing area (W-137) offset by 16.5 mm towards the hinge side



View X for profile height 30

View Y for profile height 60



Doors/locks

Viewing panels/operating panels

Viewing window

For mounting on

- AE instead of door
- Surfaces

Max. installation depth: (depth -4 mm)

Visible area: (width -60 mm) x (height -60 mm)

Material:

- Frame: Aluminium, natural anodised
- Glazed panel: Acrylic

Protection category IP to IEC 60 529:

- IP 54

Supply includes:

- Plastic handle with lock insert no. 3524 E

Depth = 34 mm

For use as door variant with	Width mm	Height mm	Model No.
1050.500, 1350.500, 1007.600	497	497	2733.000
-	597	197	2734.000
1039.500, 1339.500, 1009.600, 7641.000	597	377	2730.000
1010.600, 1054.500, 1060.500, 1360.500, 7643.000	597	597	2731.000
1012.600, 1076.500, 1376.500, 7645.000	597	757	2732.000

Depth = 60 mm

For use as door variant with	Width mm	Height mm	Model No.
1050.500, 1350.500, 1007.600	497	497	2763.000
1039.500, 1339.500, 1009.600, 7641.000	597	377	2760.000
1010.600, 1054.500, 1060.500, 1360.500, 7643.000	597	597	2761.000
1012.600, 1076.500, 1376.500, 7645.000	597	757	2762.000



Horizontally hinged FT stay

For external mounting on surfaces. A gas pressurised spring holds the viewing window securely open (top or side). When the viewing window is closed, the gas pressurised spring disappears into the frame section.

Packs of	Model No.
2 pc(s).	2772.000



Acrylic glazed cover

With security lock, lock no. 3524 E.

Material:

- Frame: Extruded aluminium sections with die-cast corner pieces
- Glass panel: Smoked acrylic

Protection category IP to IEC 60 529:

- IP 54

Acrylic glazed covers, 482.6 mm (19")

U	Width mm	Height mm	Depth mm	Model No.
3	320	158	47.5	2780.000
3	534	158	47.5	2781.000
6	534	291.5	47.5	2782.000
9	534	425	47.5	2796.000

Max. installation depth: 43 mm

Visible area: (width -40 mm) x (height -20.5 mm)

Metric acrylic glazed covers

Width mm	Height mm	Depth mm	Model No.
400	200	47.5	2784.000
400	400	47.5	2785.000
500	200	47.5	2786.000
500	400	47.5	2787.000
600	200	47.5	2788.000
600	400	47.5	2789.000

Max. installation depth: 43 mm

Visible area: (width -40 mm) x (height -20.5 mm)



Doors/locks

Viewing panels/operating panels



Viewing window

Stainless steel

Fitted as standard with internal 130° hinges and all-round seal. The double-bit lock insert may be exchanged for 27 mm lock inserts, type A, and Ergoform-S handle 2452.000.

Material:

- Stainless steel 1.4301 (AISI 304)
- Single-pane safety glass

Protection category IP to IEC 60 529:

- IP 54

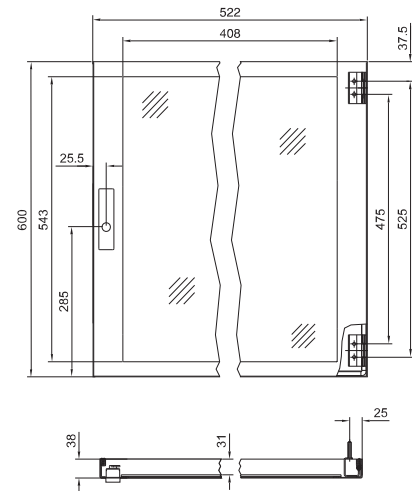
Supply includes:

- Assembly parts

Width mm	Height mm	Depth mm	Model No.
522	600	38	2793.560

⊕ Accessories:

- Lock inserts, 27 mm, type A, see page 680
- Ergoform-S handle 2452.000, see page 678



Monitor frame

for door width 600 and 800 mm

For covering a door cut-out, for all standard monitors up to 482.6 mm (19").

Protection category IP to IEC 60 529:

- IP 54

Supply includes:

- Safety glass panel

Dimensions	Width mm	Height mm	Model No.
External dimensions	470	430	2305.000
Viewing area	375	325	
Cut-out required	415	375	

Identification strips

For individual field identifiers on the door, including transparent cover and assembly parts.

For labels:

Width: Enclosure width - 150 mm
Height: 29 mm
Thickness: 0.75 mm

Colour:

- RAL 7033

For enclosure width mm	Model No.
600	2403.000
800	2404.000

Viewing panels/operating panels

Operating panel

For mounting on

- AE instead of door
- Surfaces

Frame construction with internal corner connectors, 3 mm aluminium plate secured from the inside and sealed against the frame.

Material:

- Aluminium, natural anodised

Protection category IP to IEC 60 529:

- IP 54

Supply includes:

- Aluminium frame
- Display panel
- Hinges
- Brackets

For use as door variant for AE	Width mm	Height mm	Depth mm	Model No.
1001.600 1002.500 1002.600 1032.500 1035.500	197	297	34	2740.000¹⁾
1004.600 1011.600 1030.500 1031.500	377	297	34	2741.000
1006.500 1006.600 1380.500	377	377	34	2742.000
1008.600 1038.500 1338.500	377	597	34	2743.000
1007.600 1013.600 1050.500 1350.500	497	497	34	2745.000
1009.600 1039.500 1339.500	597	377	34	2744.000
1010.500 1010.600 1060.500 1360.500	597	597	34	2746.000

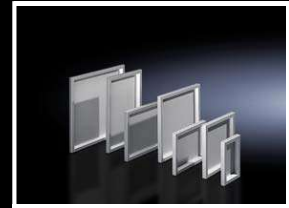
¹⁾ With AE, only for use on the rear panel

Area available for population:
(width -70 mm) x (height -70 mm)

Dimensions of aluminium plate:
(width -54 mm) x (height -54 mm)

+ **Accessories:**

- Cam lock 2749.000, see page 669



Cam lock

May be retrofitted to the operating area or enclosure wall of operating panels. Standard double-bit lock insert may be exchanged for type C lock inserts and type C plastic handle.

Packs of	Model No.
1 pc(s).	2749.000

+ **Accessories:**

- Lock inserts, type C, see page 680
- Plastic handle, type C, see page 679



Viewing window

for display panel

For the protection of display and control components. With a build height of max. 35 mm.

Material:

- Frame: Aluminium, natural anodised
- Glazed panel: Smoked acrylic

Supply includes:

- Lock insert no. 3524 E

For display panel	Model No.
2741.000	2791.000
2742.000	2792.000



Doors/locks

Allocation of lock systems

Compact enclosures, sheet steel

		Enclosure series								
		EB	BG	AE, wall-mounted enclosures AE		CM	KS		EL 3-part	
Application		-	With cam	With cam	With 3-point lock	-	With cam	With 3-point lock	3 – 15 U	18 – 21 U
	from page	46	48	58	60	62	64	65	137	137

Handle systems for enclosures

Comfort handle										
For lock inserts	674	-	-	-	-	-	-	-	-	■
For padlock and lock inserts	674	-	-	-	-	-	-	-	-	■
With security lock insert E1	674	-	-	-	-	-	-	-	-	■
For semi-cylinder	674	-	-	-	-	-	-	-	-	■
Prepared for ASSA lock system	674	-	-	-	-	-	-	-	-	■
Mini comfort handle (from AE enclosure height 380 mm, from AE enclosure width 300 mm)										
For lock inserts	677	-	-	■	-	-	-	-	■	-
For semi-cylinder	677	-	-	■	-	-	-	-	■	-
Ergoform-S handle										
Standard	678	-	-	-	■	-	-	-	-	-
Special with security lock insert E1	678	-	-	-	■	-	-	-	-	-
Specially prepared for ASSA lock system	678	-	-	-	■	-	-	-	-	-
Standard for KS plastic enclosures	678	-	-	-	-	-	-	■	-	-
Folding lever handle										
For lock inserts	675	-	-	-	-	■	-	-	-	-
For padlock and lock inserts	675	-	-	-	-	■	-	-	-	-
With security lock insert E1	675	-	-	-	-	■	-	-	-	-
Semi-cylinder lock										
For AE	681	-	-	■	-	-	-	-	-	-
Plastic handles										
Type B	679	■	■	■	-	-	-	-	-	-
Type E	679	-	-	-	-	-	■	-	-	-
T handles										
Type B	679	■	■	■	-	-	-	-	-	-
Lock inserts for enclosures										
Lock inserts										
Type A	680	■	■	■	■	-	-	-	-	-
Type E	680	-	-	-	-	-	■	■	-	-
Type F	680	-	-	-	-	■	-	-	■	■
Lock cylinder inserts										
Type B	681	■	■	■	-	-	-	-	-	-

Lock inserts for handle systems				
Semi-cylinder		Lock inserts		
Lock and push-button inserts	DIN 18 252	Type A	Type F	Lock and push-button inserts
675	675	680	680	675

-	-	-	■	■
-	-	-	■	■
-	-	-	-	-
■	■	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	■	■
■	■	-	-	-
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-	■	-	-	-

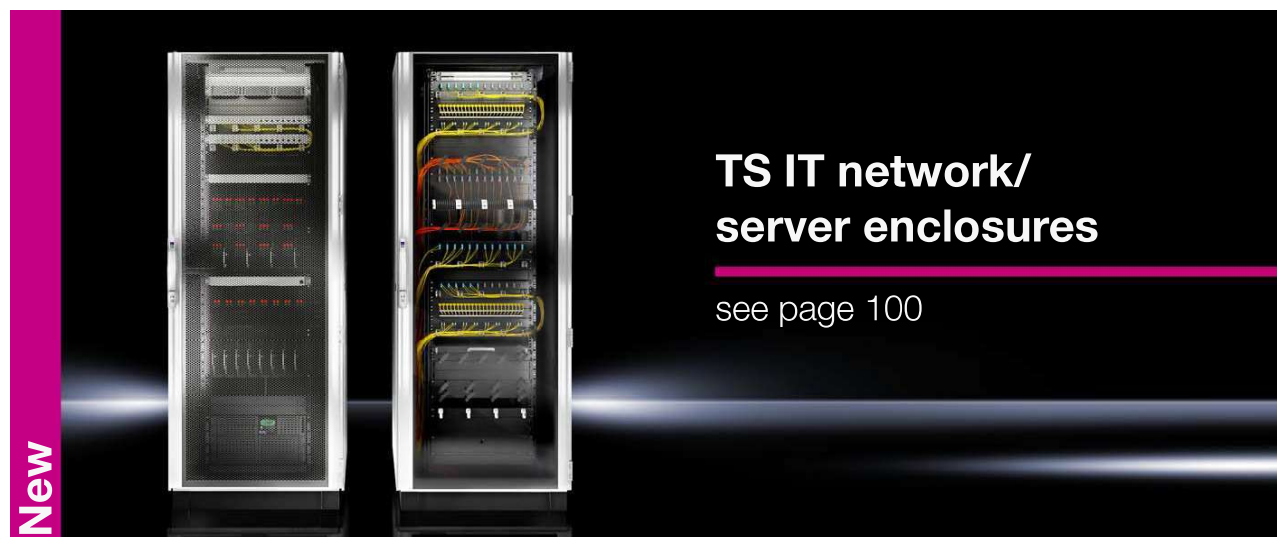
Large enclosures, sheet steel

Application	from page	Enclosure series			
		TS, TS IT, SE	TE	PC enclosure	
				Door	For keyboard drawer or fold-out tray
		74	128	156	156
Handle systems for enclosures					
Comfort handle					
For lock inserts	674	■	-	■ ²⁾	-
For padlock and lock inserts	674	■	-	■ ²⁾	-
For semi-cylinder	674	■	-	■ ²⁾	-
With security lock insert E1	674	■	-	■ ²⁾	-
Prepared for ASSA lock system	674	■	-	■ ²⁾	-
With code	674	■	-	■ ¹⁾	-
Ergoform-S handle					
Standard	678	-	■	-	-
Special with security lock insert E1	678	-	■	-	-
Special, prepared for ASSA lock system	678	-	■	-	-
Lock inserts for enclosures					
Lock inserts					
Type A	680	-	■	-	■
Type F	680	■	-	■	-

¹⁾ Only suitable for use with rear door

²⁾ Only in conjunction with the handle adaptor for comfort handle 8611.300, see page 659

Lock inserts for handle systems				
Semi-cylinder		Lock inserts		
Lock and push-button inserts	DIN 18 252	Type A	Type F	Lock and push-button inserts
675	675	680	680	675
-	-	-	■	■
-	-	-	■	■
■	■	-	-	-
-	-	-	-	-
-	-	-	-	-
■	■	-	-	-
■	■	■	-	-
-	-	-	-	-
-	-	-	-	-



Doors/locks

Allocation of lock systems

Console systems and industrial workstation, sheet steel

	Enclosure series						
	TopConsole TP		One-piece console TP		Universal console TP	IW	IW enclosure for tower PC
Application	Desk section and console	Pedestal	Console cover	Console door			
from page	149	149	153	153	154	159	158

Handle systems for enclosures

Comfort handle								
For lock inserts	674	-	-	-	-	-	■	-
For padlock and lock inserts	674	-	-	-	-	-	■	-
For semi-cylinder	674	-	-	-	-	-	■	-
With security lock insert E1	674	-	-	-	-	-	■	-
Prepared for ASSA lock system	674	-	-	-	-	-	■	-
With code	674	-	-	-	-	-	■	-
Ergoform-S handle								
Standard	678	-	■	-	■	■	-	-
Special with security lock insert E1	678	-	■	-	■	■	-	-
Special, prepared for ASSA lock system	678	-	■	-	■	■	-	-
T handles								
Type B	679	■	-	■	-	-	-	-
Lock inserts for enclosures								
Lock inserts								
Type A	680	■	■	■	■	■	-	-
Type D	680	-	-	-	-	-	-	■
Type F	680	-	-	-	-	-	■	-
Lock cylinder inserts								
Type B	681	-	-	-	-	-	■	-

Lock inserts for handle systems				
Semi-cylinder		Lock inserts		
Lock and push-button inserts	DIN 18 252	Type A	Type F	Lock and push-button inserts
675	675	680	680	675

-	-	-	■	■
-	-	-	■	■
■	■	-	-	-
-	-	-	-	-
-	-	-	-	-
■	■	-	-	-
■	■	■	-	-
-	-	-	-	-
-	-	-	-	-



New

Command panels with handle strips

see page 170

Enclosures and cases, stainless steel

Application	Enclosure series					TS, SE
	AE		One-piece console		222/224	
	With cam	With 3-point lock	Console cover	Console door		
Page	219/220	221	226	226	222/224	

Handle systems for enclosures

Comfort handle						
For lock inserts	674	-	-	-	-	■
For padlock and lock inserts	674	-	-	-	-	■
For semi-cylinder	674	-	-	-	-	■
With security lock insert E1	674	-	-	-	-	■
Prepared for ASSA lock system	674	-	-	-	-	■
Ergoform-S handle						
Standard	678	-	■	-	■	-
Special with security lock insert E1	678	-	■	-	■	-
Special, prepared for ASSA lock system	678	-	■	-	■	-
Plastic handles						
Type C	679	■ ¹⁾	-	■	-	-
T handles						
Type C	679	■ ¹⁾	-	■	-	-
Semi-cylinder lock						
for AE	681	■ ²⁾	-	-	-	-
Lock inserts for enclosures						
Lock inserts						
Type A	680	-	■	-	-	-
Type C	680	■	-	■	-	-
Type F	680	-	-	-	-	■
Lock cylinder inserts						
Type C	681	■	-	■	-	-

¹⁾ Not for 1018.600

²⁾ Not for enclosures made from stainless steel 1.4401 (AISI 316L) and use of cam lock 2304.000

Lock inserts for handle systems				
Semi-cylinder		Lock inserts		
Lock and push-button inserts	DIN 18 252	Type A	Type F	Lock and push-button inserts
675	675	680	680	675

-	-	-	■	■
-	-	-	■	■
■	■	-	-	-
-	-	-	-	-
-	-	-	-	-
■	■	■	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	■	-	-	-



Doors/locks

Lock system



Comfort handle

for TS, TS IT, SE, PC, IW

As the handle does not take up any swing space, due to its folding action, the door surface area may be maximised for installed equipment.

Material:

- Die-cast zinc




Surface finish:

- Powder-coated



Also required:

- Handle adaptor 8611.300, see page 659, for mounting on TS glazed door TS, PC bottom door, IW designer door

					
	For lock inserts	For padlock and lock inserts	With security lock insert E1 ¹⁾	For semi-cylinder	Prepared for ASSA lock system
	Model No.				
RAL 7035	8611.020	8611.290	8611.045	8611.070	8611.280
RAL 9005	8611.350	–	–	8611.360	–
Matt chrome	8611.330	–	–	8611.340	–
Lock inserts, type F					
7 mm square	8611.100	8611.100	–	–	–
8 mm square	8611.110	8611.110	–	–	–
7 mm triangular	8611.120	8611.120	–	–	–
8 mm triangular	8611.130	8611.130	–	–	–
Screwdriver	8611.140	8611.140	–	–	–
Daimler insert	8611.150	8611.150	–	–	–
3 mm double-bit	8611.160	8611.160	–	–	–
Fiat	8611.170	8611.170	–	–	–
6.5 mm triangular (CNOMO)	8611.220	8611.220	–	–	–
Lock and push-button inserts					
Lock insert, lock no. 3524 E ²⁾	8611.180	8611.180	–	2467.000	–
Push-button insert	8611.190	8611.190	–	2468.000	–
Push-button and lock insert ²⁾	8611.200 ³⁾	8611.200 ³⁾	–	2469.000 ⁴⁾	–
Semi-cylinder					
to DIN 18 252 ⁵⁾	–	–	–	9785.040	–
	–	–	–	9785.042 ⁶⁾	–

¹⁾ Only for use with VW, Audi, SEAT, SkodaAuto, supplied without key

²⁾ With two keys

³⁾ Lock no. 12321; no other lock is possible

⁴⁾ Lock no. 2123; no other lock is possible

⁵⁾ With 3 keys for each lock insert

⁶⁾ Packs of two, simultaneous locking within the same pack, no simultaneous locking for different packs



Comfort handle

with code, for TS, TS IT, SE

Flexible access opportunities with

- individual 3-digit code without key

or

- with master key function by additionally using a semi-cylinder of 40 or 45 mm to DIN 18 252, independently of the code.

Colour	Model No.
RAL 7035	7200.800
RAL 9005	7200.801



Also required:

- Handle adaptor 8611.300, see page 659, for mounting on TS glazed door TS, vented aluminium sheet steel door, PC bottom door, IW designer door






Accessories:

- Lock and push-button inserts, see page 675
- Semi-cylinder, see page 675

Lock inserts

for installation in comfort handle,
mini-comfort handle, Ergoform-S standard,
folding lever handle

Installation in the			
	Lock and push-button inserts		Semi-cylinder
	Comfort handle ⁹⁾ , mini-comfort handle ⁹⁾	Comfort handle ⁷⁾ , mini-comfort handle ⁷⁾ , Ergoform-S standard, folding lever handle for CM	Comfort handle, mini-comfort handle, Ergoform-S standard, folding lever handle for CM
Model No.			
Lock insert, lock no. 3524 E ¹⁾	8611.180	2467.000	–
Push-button insert	8611.190	2468.000	–
Push-button and lock insert ¹⁾	8611.200²⁾	2469.000³⁾	–
to DIN 18 252 ⁴⁾	–	–	9785.040
	–	–	9785.042⁵⁾

¹⁾ With two keys

²⁾ Lock no. 12321; no other lock is possible

³⁾ Lock no. 2123; no other lock is possible

⁴⁾ With 3 keys for each lock insert

⁵⁾ Packs of two, simultaneous locking within the same pack, no simultaneous locking for different packs

⁶⁾ For lock inserts

⁷⁾ For semi-cylinders



Folding lever handle

for CM




As the handle does not take up any swing space,
due to its folding action, the door surface area may
be maximised for installed equipment.

Size:

- Length: 242 mm (with inserted trim panel)
- Width: 50 mm
- Depth: 17.5 mm

Colour:

- Enclosure: Similar to RAL 9005
- Handle: Similar to RAL 9006

			
	for lock inserts	for padlock and lock inserts	with security lock insert E1 ¹⁾
	Model No.		
	5001.060	5001.062	5001.061

Lock inserts, type F

7 mm square	8611.100	8611.100	–
8 mm square	8611.110	8611.110	–
7 mm triangular	8611.120	8611.120	–
8 mm triangular	8611.130	8611.130	–
Screwdriver	8611.140	8611.140	–
Daimler insert	8611.150	8611.150	–
3 mm double-bit	8611.160	8611.160	–
Fiat	8611.170	8611.170	–
6.5 mm triangular (CNOMO)	8611.220	8611.220	–

Lock and push-button inserts

Lock insert, lock no. 3524 E ²⁾	2467.000	2467.000	–
Push-button insert	2468.000	2468.000	–
Push-button and lock insert ²⁾	2469.000 ³⁾	2469.000 ³⁾	–

Semi-cylinder

to DIN 18 252 ⁴⁾	9785.040	9785.040	–
	9785.042 ⁵⁾	9785.042 ⁵⁾	–

¹⁾ Only for use with VW, Audi, SEAT, SkodaAuto, supplied without key

²⁾ With two keys

³⁾ Lock no. 2123; no other lock is possible

⁴⁾ With 3 keys for each lock insert

⁵⁾ Packs of two, simultaneous locking within the same pack, no simultaneous locking for different packs



Doors/locks

Lock system



Adjacent door latch

for TS

For optimum operation of the adjacent door from the outside if the handle on the inside is difficult to access due to swing frames or 482.6 mm (19") installed equipment. Retrospective conversion of the adjacent door is easily achieved using the supplied drilling template. The handle on the inside is no longer required.

Colour:

- RAL 7035

Supply includes:

- Assembly parts

Packs of	Model No.
1 pc(s).	8611.370

⊕ Accessories:

- Standard double-bit lock insert may be exchanged for 27 mm lock inserts, type A, see page 680

Locking bar latch to CNOMO¹⁾

To fit all locking bars in TS doors and glazed doors with standard lock or comfort handle

The latch prevents the locking bars from moving when the door is open. For mounting on the bolt of the bar guide.

¹⁾ CNOMO is a French automobile industry standard. For safety reasons, it must not be possible to lock the handle whilst the door is open.

Packs of	Model No.
10 pc(s).	8611.210

! Also required:

- for CNOMO¹⁾ lock inserts, type F, 6.5 mm triangular insert 8611.220, see page 680

Spring washer

Upon dismantling the TS locking rods, the spring washers cannot be reused.

Material:

- Spring steel

Surface finish:

- Zinc-plated

	Packs of	Model No.
Spring washer	100 pc(s).	8800.070

Mini-comfort handle

for AE with cam, EL 3-part

Prepared for the installation of lock inserts or for the installation of standard commercially available 40 or 45 mm semi-cylinders, as well as lock and push-button inserts.



Material:

– Die-cast zinc

Colour:

– RAL 7035



				
	for lock inserts		for semi-cylinder	
	Model No.			
For enclosure system	EL	AE	EL	AE
	7705.110	2537.010	7705.120	2537.000
Lock inserts, type F				
7 mm square	8611.100	8611.100	–	–
8 mm square	8611.110	8611.110	–	–
7 mm triangular	8611.120	8611.120	–	–
8 mm triangular	8611.130	8611.130	–	–
Screwdriver	8611.140	8611.140	–	–
Daimler insert	8611.150	8611.150	–	–
3 mm double-bit	8611.160	8611.160	–	–
Fiat	8611.170	8611.170	–	–
6.5 mm triangular (CNOMO)	8611.220	8611.220	–	–
Lock and push-button inserts				
Lock insert, lock no. 3524 E ¹⁾	8611.180	8611.180	2467.000	2467.000
Push-button insert	8611.190	8611.190	2468.000	2468.000
Push-button and lock insert ¹⁾	8611.200 ²⁾	8611.200 ²⁾	2469.000 ³⁾	2469.000 ³⁾
Semi-cylinder				
to DIN 18 252 ⁴⁾	–	–	9785.040	9785.040
	–	–	9785.042 ⁵⁾	9785.042 ⁵⁾

¹⁾ With two keys

²⁾ Lock no. 12321; no other lock is possible

³⁾ Lock no. 2123; no other lock is possible

⁴⁾ With 3 keys for each lock insert

⁵⁾ Packs of two, simultaneous locking within the same pack, no simultaneous locking for different packs

Mini-comfort handle

for AE with cam, including VW E1 lock

For retro-fitting to AE enclosures with cam locks.

Installation options:

- Vertical handle mounting from an enclosure height of 380 mm
- Horizontal handle mounting from an enclosure width of 300 mm
- From an enclosure height of 500 mm, the mini comfort handle may only be fitted horizontally on the lower lock point
- From an enclosure height of 600 mm, the mini-comfort handle may be fitted to the lower locking point, rotated through 180° in the vertical

For enclosure width mm	For enclosure height mm	Packs of	Model No.
≥ 300	≥ 380	1 pc(s).	2537.045

Material:

– Die-cast zinc

Surface finish:

– Powder-coated

Colour:

– RAL 7035

Note:

- Only for use with VW, Audi, SEAT, SkodaAuto
- Supplied without key



Doors/locks

Lock system



Ergoform-S lock system

The unlocked handle folds down forwards, and the lock is opened by swivelling.

Material:

- Die-cast zinc

Surface finish:

- Powder-coated

				
	Standard	Standard for KS plastic enclosures	Special with security lock insert E1 ¹⁾	Specially prepared for ASSA lock system
	Model No.			
RAL 7035 with brown handle	-	-	2456.500	-
Brown	-	-	-	2453.000
Matt nickel-plated	2452.000	-	-	-
RAL 7035	2435.000	1490.010	-	-
RAL 7035 with brown handle and bracket	2455.010	-	-	-
Lock inserts, type A				
7 mm square	2460.000	2460.000	-	-
8 mm square	2461.000	2461.000	-	-
7 mm triangular	2462.000	2462.000	-	-
8 mm triangular	2463.000	2463.000	-	-
Screwdriver	2464.000	2464.000	-	-
Daimler insert	2465.000	2465.000	-	-
3 mm double-bit	2466.000	2466.000	-	-
Fiat	2307.000	2307.000	-	-
6.5 mm triangular (CNOMO)	2460.650	2460.650	-	-
Lock and push-button inserts				
Lock insert, lock no. 3524 E ²⁾	2467.000	2467.000	-	-
Push-button insert	2468.000	2468.000	-	-
Push-button and lock insert ²⁾	2469.000 ³⁾	2469.000 ³⁾	-	-
Semi-cylinder				
to DIN 18 252 ⁴⁾	9785.040	9785.040	-	-
	9785.042 ⁵⁾	9785.042 ⁵⁾	-	-

¹⁾ Only for use with VW, Audi, SEAT, SkodaAuto, supplied without key

²⁾ With two keys

³⁾ Lock no. 2123; no other lock is possible

⁴⁾ With 3 keys for each lock insert

⁵⁾ Packs of two, simultaneous locking within the same pack, no simultaneous locking for different packs



Ergoform-S handle

with code

Flexible access options thanks to individual 3-digit numerical code without key, or via the master key function with the additional use of 40 or 45 mm semi-cylinders to DIN 18 252, independently of the code.

Colour	Version	Packs of	Model No.
RAL 7035	Ergoform-S handle	1 pc(s).	7200.810

+ **Accessories:**







- Semi-cylinder, see page 675
- Lock inserts, see page 675

Plastic handles

With or without lock cylinder insert.

Supply includes:

- Assembly parts and seal

Type	B		C		E	
						
	With lock cylinder insert, lock no. 3524 E ¹⁾	Without lock cylinder insert	With lock cylinder insert, lock no. 3524 E ¹⁾	Without lock cylinder insert	With lock cylinder insert, lock no. 3524 E ¹⁾	Without lock cylinder insert
	Model No.					
RAL 9011	2576.000	2533.000	2485.000	2485.100	-	-
RAL 8019	-	-	-	-	1484.000	1484.001

¹⁾ With two keys







T handles

With or without lock cylinder insert.

Supply includes:

- Seal

Type	B		C	
				
	With lock cylinder insert ¹⁾	Without lock cylinder insert	With lock cylinder insert ¹⁾	Without lock cylinder insert
	Model No.			
	2575.000²⁾	2572.000	2535.000²⁾	2536.000

¹⁾ With 2 keys

²⁾ Lock no. 3524 E



Doors/locks

Lock system



Cam locks

	With double-bit insert	With lock cylinder insert ³⁾	With double-bit insert	With lock cylinder insert ³⁾	With security lock insert E1 ¹⁾ RAL 7035	With double-bit insert
Material: Enclosure	Die-cast zinc, nickel-plated		Fibreglass-reinforced polyamide			Made entirely from stainless steel 1.4404 (AISI 316L)
	Model No.					
	2520.000	2530.000	2420.000	2430.000	2540.500	2304.000

Lock inserts

7 mm square	2523.000	–	2460.000	–	–	–
8 mm square	2526.000	–	2461.000	–	–	–
7 mm triangular	2527.000	–	2462.000	–	–	–
8 mm triangular	2528.000	–	2463.000	–	–	–
Screwdriver	–	–	2464.000	–	–	–
Daimler insert	2522.000	–	2465.000	–	–	–
3 mm double-bit	2483.000	–	2466.000	–	–	–
Fiat	–	–	2307.000	–	–	–
6.5 mm triangular (CNOMO)	–	–	2460.650	–	–	–

Lock cylinder inserts

With lock no. 3524 E ²⁾	–	–	2571.000	–	–	–
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¹⁾ Only for use with VW, Audi, SEAT, SkodaAuto, supplied without key

²⁾ With two keys



³⁾ Lock no. 3524 E



Lock inserts

Type	A	C	D	E	F
Material	Die-cast zinc	Die-cast zinc	Die-cast zinc	Plastic	Die-cast zinc
Length	27 mm	41 mm	47 mm		
	Model No.				
7 mm square	2460.000	2523.000	–	–	8611.100
8 mm square	2461.000	2526.000	–	1488.000	8611.110
7 mm triangular	2462.000	2527.000	–	–	8611.120
8 mm triangular	2463.000	2528.000	–	1486.000	8611.130
Screwdriver	2464.000	–	–	–	8611.140
Daimler insert	2465.000	2522.000	–	–	8611.150
3 mm double-bit	2466.000	2483.000	2484.000	1492.000	8611.160
Fiat	2307.000	–	–	–	8611.170
6.5 mm triangular (CNOMO)	2460.650	–	–	–	8611.220

Lock cylinder inserts

Type	B	C
		
	With lock no. 3524 E ¹⁾	With lock no. 3524 E ¹⁾
Material	Die-cast zinc	Die-cast zinc
	Model No.	
	2571.000	2525.000

¹⁾ With two keys



Semi-cylinder lock

for AE compact enclosures

For retro-fitting to all single-door enclosures with cam lock. The cover plate is locked by semi-cylinders with a total length of 40/45 mm (to DIN 18 252). An additional cover protects the cylinder against dirt. The protection category of the enclosure is not impaired. Supplied without semi-cylinder.

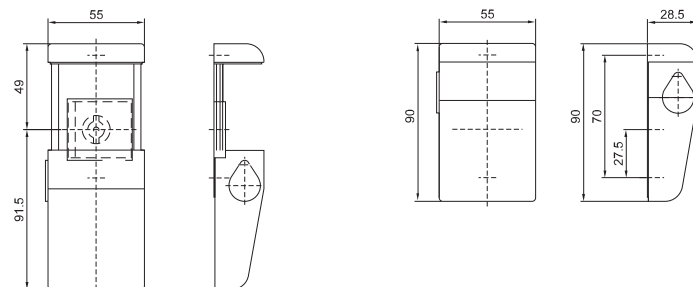
Material:

- Die-cast zinc

Type	Model No.
RAL 7035	2534.100
Nickel-plated (matt)	2534.500

+ Accessories:

- Semi-cylinder, see page 675



Lock cover

for padlocks or multiple locks

For retrospective mounting on all compact enclosures AE, sheet steel, with cam lock.

Material:

- Die-cast zinc

Surface finish:

- Nickel-plated

Packs of	Model No.
1 pc(s).	2493.000



Doors/locks

Lock system



Multiple lock

for 6 padlocks

The ideal solution in cases where individual access for several persons is required for maintenance and repair purposes.

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Packs of	Model No.
2 pc(s).	2493.500



Lock cover

Prepared for lead seal

For use in all enclosure types with Rittal-specific locks, such as AE and EB.

Material:

- Polyamide

Colour:

- RAL 7035

Packs of	Model No.
2 pc(s).	2476.000



Safety lock

Fitted to doors, to protect against contact with live electrical equipment whilst the master switch is ON.

Function:

- Locks the door when the master switch is ON
- Mains power (voltage) is only enabled whilst the door is closed
- Monitoring of the lock magnet via an additional closing contact

Supply includes:

- Lock
- Actuator
- Angle bracket
- Assembly parts



Connection voltage for lock magnet	Model No.
230 V AC 11 VA	2416.000
24 V DC 8 W	2418.000
120 V AC 8 VA	2419.000

**! Also required:**

- For twin-door enclosures (for the overlapping door, to indicate "enclosure door closed"):
Door-operated switch 4127.010, see page 755

Enclosure key

For lock inserts. Enclosure, case and lock systems are supplied as standard with matching keys.

				
	Model No.			
	-	-	2549.000	2549.500 ²⁾³⁾
Double-bit key no. 5	2531.000	-	■	■
Safety lock no. 3524 E	-	2532.000¹⁾	-	-
7 mm triangular	2545.000	-	-	■
8 mm triangular	2546.000	-	■	■
7 mm square	2547.000	-	-	■
8 mm square	2548.000	-	■	■
for HD locks	2549.600	-	-	-
for Daimler	2521.000	-	-	-
for Fiat	2308.000	-	-	-

¹⁾ Packs of 2

²⁾ With bit adaptor and reversible bit for: Multi-tooth size 25 and Phillips-head (Ph 2)

³⁾ Bit 2549.510 for HD lock insert, see page 211



Doors/locks

Hinges



130°/180° hinges

Supply includes:

- Assembly parts

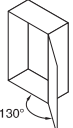
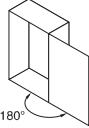
Note:

- The protection category of the enclosure may be reduced
- Door hinge remains the same within a bayed enclosure suite



Also required:

- ¹⁾ Lock components for frame 8800.040, see page 660

Enclosure type	Door variant	Material	Colour	Packs of	 	
					Model No.	
TS 8, SE	Sheet steel door	Die-cast zinc	-	4 pc(s).	8800.020¹⁾	-
TS 8, SE	Sheet steel door	Die-cast zinc	RAL 7035	4 pc(s).	-	8800.190
			RAL 9005		-	8800.950
			Matt nickel-plated		-	8701.180
TS 8, SE	Doors with high dynamic loads, door installations up to 900 N	Precision casting/die-cast zinc	RAL 7035	4 pc(s).	-	8800.710
TS 8 bayed enclosure suites with comfort handle/TS IT	Sheet steel door, glazed door vented	Die-cast zinc	RAL 7035	4 pc(s).	-	7824.520²⁾
	Glazed aluminium door, glazed aluminium door vented	Die-cast zinc	RAL 7035			7824.525²⁾³⁾
AE	Standard door	Die-cast zinc	-	2 pc(s).	-	2449.000
CM	Standard door	Die-cast zinc	RAL 9011/9006	3 pc(s).	-	5001.000

²⁾ not for vertically divided doors

³⁾ max. 140°



Hinge pin remover

For safe and easy removal of hinge pins.

For enclosure	Model No.
AE/CM	2432.000



Cover hinge

for KL

The cover hinge is simply screw-fastened to the enclosure protection channel and to the edge fold.

Supply includes:

- Assembly parts

Material	Packs of	Model No.
Die-cast zinc	6 pc(s).	1592.000
Stainless steel 1.4404 (AISI 316L)	2 pc(s).	1592.010



Cover retainer

for KL

The cover retainer is easily fitted without drilling, and allows the covers to be opened, even when the terminal box below is bayed.

Packs of	Model No.
6 pc(s).	1591.000

Doors/locks

Door, internal

Support strips

For attachment of

- Cable ducts
- Cable conduit holders
- Contact hazard protection covers
- Equipment installed on the door
- Cable clamping and attachment

4.5 mm diameter hole on a 25 mm DIN pitch pattern

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

- Assembly parts



Accessories:

- Screws and self-tapping screws M5, see page 737

For TS, SE, CM, TP

For door width mm	Length mm	Packs of	Model No.
400	290	20 pc(s).	4594.000
500	390	20 pc(s).	4309.000
600	490	20 pc(s).	4596.000
800	690	20 pc(s).	4598.000
900	790	20 pc(s).	4579.000
1000	890	20 pc(s).	4599.000

For AE

For enclosures AE	Packs of	Model No.
1018.600 ²⁾ , 1019.500 ²⁾ 1050.500 ¹⁾ , 1057.500 1100.500, 1110.500 1114.500 ¹⁾ , 1130.500 1213.500 ¹⁾ , 1350.500 ¹⁾	20 pc(s).	2325.000
1012.500 ²⁾ , 1039.500 1054.500, 1058.500 1060.500, 1076.500 1090.500, 1260.500 ¹⁾ 1339.500, 1360.500 1376.500	20 pc(s).	2326.000
1014.500 ²⁾ , 1073.500 1077.500	20 pc(s).	2327.000
1016.500 ²⁾ , 1017.500 ²⁾ 1055.500, 1180.500 1280.500 ¹⁾	20 pc(s).	2328.000

¹⁾ For these AE types, cut support strips to length at the knockout

²⁾ Only in conjunction with perforated mounting strip (see page 686)



Spacers

The universal assembly component for all situations where a distance from the mounting level is required. With self-tapping thread for diameter 4.5 mm. The following components may be attached to the rear using 5.5 x 13 mm screws:

- Top-hat / cross rails
 - Contact hazard protection covers
 - Master switch trim panels
 - Cable clamp rails
- etc.

Material:

- Hexagonal steel (SW8)

Surface finish:

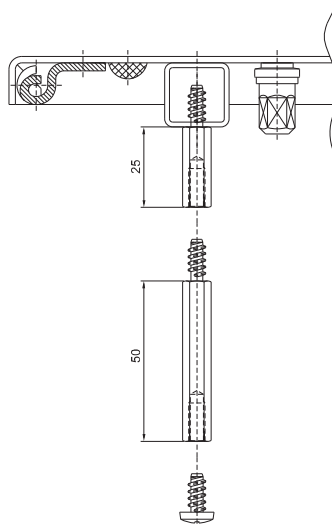
- Zinc-plated



Accessories:

- Screws 5.5 x 13 mm, see page 737

Length mm	Packs of	Model No.
25	12 pc(s).	2311.225
50	12 pc(s).	2311.250



Doors/locks

Door, internal



Perforated mounting strip

for AE stainless steel

For vertical mounting on the threaded bolts of the door, for attaching

- Support strips for AE, see page 685
- Door stay 2519.000, see page 688

3.7 mm dia. hole on a 25 mm DIN pitch pattern

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

- Packs of 20 (nuts and serrated washers included)

To fit AE	Length mm	Model No.
1012.600, 1014.600	698	2310.076
1016.600, 1018.600	938	2310.100
1017.600, 1019.500, 1019.600	1138	2310.120



Accessories:

- Screws, see page 737



Utility lectern

For programming units etc., prepared for mounting on the tubular door frame of TS, SE, CM, PC or on any sufficiently large surface. When required for servicing, it folds down quickly with a maximum support area, and after use is stowed between the tubular door frames in a space-saving design.

Load capacity:

- max. 30 kg.

Material:

- Sheet steel

Colour:

- RAL 7035

Support area		For door width mm	Model No.
Width mm	Depth mm		
413	400	600	4638.600
613	400	800	4638.800



Wiring plan lectern

Holds wiring plans during fault finding and maintenance work. The wiring plan lecterns can be bayed according to the door width. For mounting on the tubular door frame.

Material:

- Utility lectern: Polypropylene
- Mounting bracket: Die-cast zinc

Colour:

- Similar to RAL 7035

Supply includes:

- Wiring plan lectern (width 210 mm)
- Assembly parts

For enclosures	Packs of	Model No.
TS, SE, CM, TP, PC	1 pc(s).	4120.000

For door width mm	Required/possible number of wiring plan lecterns	
	min.	max.
400	1	1
500	1	1
600	2	2
800	2	3
1000	3	3



CD/DVD box

For fixing to all flat, clean surfaces with double-sided adhesive tape.

Capacity:

- Max. 10 CDs/DVDs

Material:

- Polyamide

Colour:

- RAL 7033

Packs of	Model No.
1 pc(s).	2446.000

Doors/locks

Door, internal

Plastic wiring plan pockets

for AE

For installation options, refer to table

- B = Screw-fastened to the perforated door strip on both sides
- E = Screw-fastened on one side, other side stuck with adhesive tape or stuck entirely with adhesive tape

Supply includes:

- 2 holders with double-sided adhesive tape
- Acrylic glazed pane
- Assembly parts

Note:

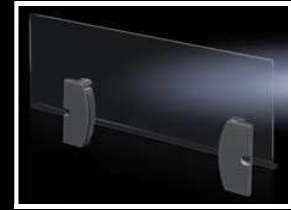
- The acrylic glazed pane may be shortened to any required size for shorter doors

Model No.	2514.500	2514.600	2514.800
Usable width mm	340	415	615
Usable depth mm	18	18	18
Height of acrylic glazed pane mm	167	167	167

Installation options

For Model No. AE	Width mm			
1050.500	500	B	-	-
1054.500	600	E	E	-
1055.500	800	E	E	E
1057.500	500	B	-	-
1058.500	600	E	E	-
1060.500	600	E	E	-
1073.500	760	E	E	-
1076.500	600	E	E	-
1077.500	760	E	E	-
1090.500	600	E	E	-
1100.500	1000	B	-	-
1110.500	1000	B	-	-
1114.500	1000	B ¹⁾	-	-
1130.500	1000	B	-	-
1180.500	800	E	E	E
1213.500	1000	B ¹⁾	-	-
1260.500	600	E	B	-
1280.500	800	E	E	B
1350.500	500	B	-	-
1360.500	600	E	E	-
1376.500	600	E	E	-

¹⁾ Prepared for mounting on the l/h door; for mounting on the r/h door, the acrylic glazed pane can be shortened



Plastic wiring plan pockets

For affixing to the inside surfaces of doors.

Material:

- Polystyrene with self-adhesive fastening strips

Colour:

- Similar to RAL 7035

For format	Clearance opening mm			Model No.
	W	H	D	
A3 landscape	438	286	45	2513.000
A4 portrait	228	254	17	2514.000
A5 landscape	228	174	17	2515.000



Wiring plan pockets with transparent pouch

With welded-on transparent pouch and self-adhesive backing.

For format	Model No.
A4	2510.000
A3	2512.000



Doors/locks

Door, internal



Wiring plan pockets of sheet steel

for TS, SE, CM, TP pedestal, PC

For fastening to tubular door frames at any height.

Colour:

- RAL 7035

Supply includes:

- Assembly screws

D = 90 mm

To fit door width mm	Clearance opening mm		Model No.
	W	H	
400	255	210	4114.000
500	355	210	4115.000
600	455	210	4116.000
800	655	210	4118.000
900	755	210	4123.000
1000	855	210	4124.000

D = 35 mm

To fit door width mm	Clearance opening mm		Model No.
	W	H	
500	355	210	4115.500
600	455	210	4116.500
800	655	210	4118.500



Door stay

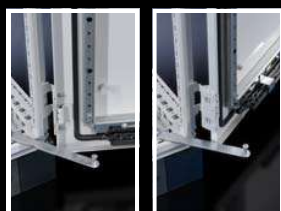
To secure the door in the open position.

Supply includes:

- Assembly parts

For	Mounting	Packs of	Model No.
TS, SE, TP universal console, PC	bottom	5 pc(s).	4583.000
CM, TP	top	2 pc(s).	2519.200
AE (except 1032.500 and 1035.500) and all AE stainless steel enclosures ¹⁾	top	5 pc(s).	2519.000

¹⁾ With AE stainless steel, only in conjunction with perforated mounting strips, see page 686



Door stay for escape routes for TS, SE, PC

In case of an emergency, conventional door stays can block the escape route. This stay is actuated automatically in the event of pressure, releasing the door in both directions. In conjunction with 180° hinges, this ensures that no escape routes are blocked by open doors in the event of an emergency.

Supply includes:

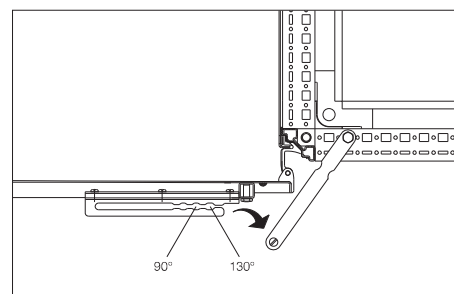
- Assembly parts

Packs of	Model No.
1 pc(s).	4583.500

+ Accessories:

- 180° hinge, see page 684

180° hinge



Doors/locks

Door, internal

Ride-up roller

for TS, SE, PC

Lifts the door with heavy installed equipment (e.g. cooling unit) as a closing aid. For attaching to the tubular door frame.

Packs of	Model No.
10 pc(s).	4538.000



Transport and mounting handle

for doors TS, SE

For safe installation and removal of the door and during relocation in the workshop. The matching hinge pin removal tool for 130° hinges is pre-integrated, and supplied loose for 180° hinges.

Packs of	Model No.
1 pc(s).	2415.100



Document clip, magnetic

For simple attachment of installation documentation as a reminder or for flexible accommodation of a wide range of documents, measurement records, test reports etc. May be attached to any magnet-compatible surface via a permanent magnet.

Material:

- Plastic: Transparent
- Handle pieces: Black

Packs of	Model No.
2 pc(s).	7950.200



Alternate frame, magnetic

For individual marking or labelling of the existing network infrastructure. The magnetic surface facilitates flexible mounting on all magnet compatible surfaces. Adhesive strips are supplied for non-magnetic surfaces. The maximum size of the labels is 130 x 50 mm.

Packs of	Model No.
10 pc(s).	7950.150



Roof/wall mounting

Roof

Rain canopies

for AE, CM

Reliable protection for outdoor siting – with water run-off to the rear. Easily retro-fitted.

Supply includes:

- Assembly parts

Accessories:

- Condensate discharge, see page 642
- Pressure relief stopper, see page 642
- Wall mounting brackets 2503.010 and 2508.010, see page 698

Note:

- For outdoor siting, we generally recommend a rain canopy above the enclosure or the gap between the door and the enclosure, in order to protect against water and UV radiation
- Testing of IP protection categories for water protection (2nd code number to IEC 60 529) cannot be compared with an enclosure sited outdoors or under similar conditions
- Depending on the ambient conditions, additional measures may be required (see "Technical Information")



for AE, sheet steel version

Material:

- Sheet steel

Surface finish:

- Powder-coated, textured paint

Colour:

- RAL 7035

For		Model No.
Enclosure width mm	Enclosure depth mm	
380	210	2501.500
600	210	2502.500
600	350	2511.500

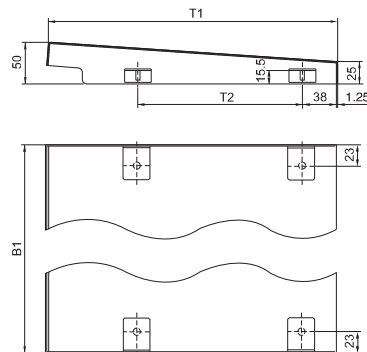
for AE, stainless steel version

Material:

- Stainless steel 1.4301 (AISI 304)

Surface finish:

- Brushed, grain size 240



B1 = Enclosure width + 11 mm

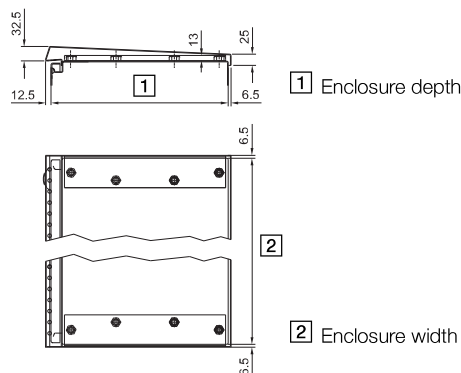
T1 = Enclosure depth + 25 mm

T2 = Enclosure depth – 90 mm, from enclosure width 600 mm: Enclosure depth – 115 mm

For		Model No.
Enclosure width mm	Enclosure depth mm	
200	155	2470.000
300	210	2361.000
380	155	2471.000
380	210	2472.000
500	210	2362.000
600	210	2473.000
760	300	2474.000
800	300	2475.000
1000	300	2363.000



for CM, sheet steel version



Width mm	Depth mm	Model No.
600	400	5001.310
800	400	5001.330
1000	400	5001.350
1200	400	5001.360

Material:

- Sheet steel

Surface finish:

- Powder-coated, textured paint

Colour:

- RAL 7035

Roof/wall mounting

Roof

Dust guard trim

for AE, CM, EB, KL and BG

To protect against deposits on the upper edge of the door and between the enclosure and the door/cover. Cut the dust guard trim to length according to the enclosure width. Drill the enclosure and fit the dust guard trim using the adhesive strips and screws.

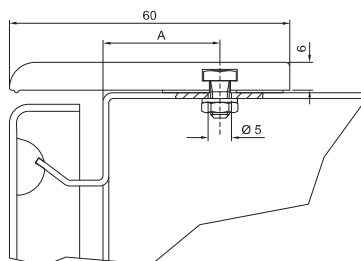
Material:

- Plastic, UV-resistant

Colour:

- Similar to RAL 7024

For enclosure	Length mm	A mm	Model No.
AE	1200	25	2426.500
CM		20	
KL, EB, BG		20.5	



Dust guard trim

for TS, SE

To protect against dust deposits on the upper edge of the door and between the door and upper horizontal enclosure section. The dust guard trim provides space for texts or company logos.

Colour:

- RAL 7035

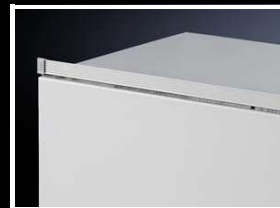
Supply includes:

- Clear plastic strip for text labels (height 29.5 mm)

Length mm	Model No.
600	2424.100
800	2425.100
1000	2427.100
1200	2426.100

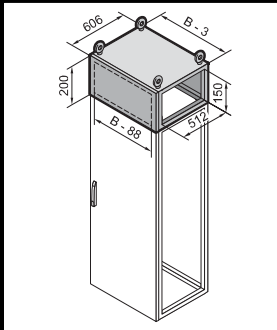
Note:

- Also suitable for use in conjunction with top baying cover, see page 658



Roof/wall mounting

Roof



Top mounting module

for TS

As a cable chamber for cable infeed from above or for power distribution with busbar systems across bayed enclosures. The TS cover plate supplied as standard is used to finish off at the top. The enclosure height is increased by 200 mm with the top module fitted. The top baying cover cannot be fitted. Installation accessories for top and bottom, see diagram and explanations below.

Material:

- Sheet steel, 1,5 mm

Surface finish:

- Spray-finished, textured paint

Colour:

- RAL 7035

Protection category IP to IEC 60 529:

- IP 55

NEMA protection category:

- NEMA 12

For enclosures		Model No.
Width (B) mm	Depth mm	
600	600	8801.735
800	600	8801.745
1000	600	8801.755
1200	600	8801.765

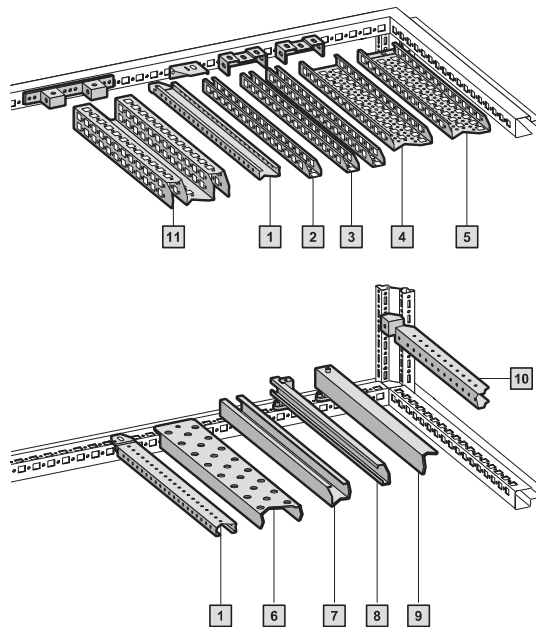
Supply includes:

- 1 frame module
- 2 trim panels (front and rear)
- 8 retainers with automatic potential equalisation
- 4 tapped rods with eyebolts



! Also required:

- Side panel for top-mounting module 8801.775, see page 692



+ Accessories:

Description	Page
1 TS punched rail 18 x 38 mm	720
2 PS punched rail 23 x 23 mm with angle bracket	721
3 PS punched rail 23 x 23 mm with PS support bracket	721
4 PS punched section without mounting flange 23 x 73 mm with PS support bracket	723
5 PS punched section with mounting flange 23 x 73 mm	722
6 Support rail	724
7 System support rails	724
8 C rail 30/15 with support bracket or spacer	723
9 Cable clamp rail	783
10 TS punched rail 25 x 38 mm	719
11 TS punched section without mounting flange 45 x 88 mm	719



Side panel

for top-mounting module

To finish off the side of a top-mounting module or bayed suite.

Material:

- Sheet steel, 1,5 mm

Surface finish:

- Spray-finished, textured paint

Colour:

- RAL 7035

Supply includes:

- Assembly parts

Packs of	Model No.
2 pc(s).	8801.775

Roof/wall mounting

Roof

Roof plates

for TS

For enclosures without roof plate and in exchange for the standard roof in other TS enclosures.

Material:

- Sheet steel, 1.5 mm

Surface finish:

- Textured paint

Colour:

- RAL 7035

IP 55, solid

For enclosures		Packs of	Model No.
Width mm	Depth mm		
400	600	1 pc(s).	9671.646
600	600	1 pc(s).	9671.666
800	600	1 pc(s).	9671.686
400	800	1 pc(s).	9671.648
600	800	1 pc(s).	9671.668
800	800	1 pc(s).	9671.688

IP 4X

In order to achieve a protection category of IP 41, a roof plate IP 55 should be fitted above the existing roof plate using four spacers 7967.000.

For enclosures		Packs of	Model No.
Width mm	Depth mm		
400	600	1 pc(s).	9671.364
600	600	1 pc(s).	9671.366
800	600	1 pc(s).	9671.368
400	800	1 pc(s).	9671.384
600	800	1 pc(s).	9671.386
800	800	1 pc(s).	9671.388

IP 2X with ventilation hole, build height: 72 mm

Supply includes: Assembly parts

For enclosures		Packs of	Model No.
Width mm	Depth mm		
400	600	1 pc(s).	9671.846
600	600	1 pc(s).	9660.235
800	600	1 pc(s).	9660.245
1000	600	1 pc(s).	9660.255
1200	600	1 pc(s).	9660.265
400	800	1 pc(s).	9671.848
600	800	1 pc(s).	9659.525
800	800	1 pc(s).	9659.535
1000	800	1 pc(s).	9659.545
1200	800	1 pc(s).	9659.555

For cable entry glands

For enclosures		Required number of glands	Packs of	Model No.
Width mm	Depth mm			
600	400	2 pc(s).	1 pc(s).	9665.943
850	400	3 pc(s).	1 pc(s).	9665.953
1100	400	4 pc(s).	1 pc(s).	9665.963
400	600	3 pc(s).	1 pc(s).	9671.546
600	600	4 pc(s).	1 pc(s).	9665.903
800	600	8 pc(s).	1 pc(s).	9671.586
850	600	6 pc(s).	1 pc(s).	9665.913
1100	600	8 pc(s).	1 pc(s).	9665.923
400	800	4 pc(s).	1 pc(s).	9671.548
600	800	8 pc(s).	1 pc(s).	9671.568
800	800	8 pc(s).	1 pc(s).	9671.588

Also required:

Cable entry gland, see page 694.



Pressure stoppers

for roof plates

For converting the IP 55 roof plate for TS enclosures into a roof plate with pressure relief function. The pressure relief function is essential for compliance with health and safety regulations for arc-proofing to IEC/TR 61641.

Material:

- Polyamide (PA 6.6)

Supply includes:

- 2 warning stickers

Packs of	Model No.
4 pc(s).	9674.790

Note:

- 2 pressure stoppers and 1 warning sticker are required for one roof plate
- The arc-proofing compliance limits are dependent on the busbar system used



Roof/wall mounting

Roof



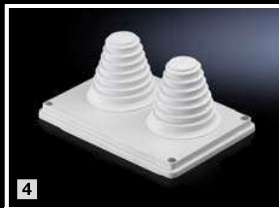
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2



3



4

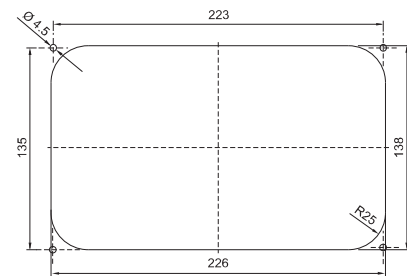


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Cable entry glands

- Including seal
- External dimensions 250 x 160 mm
- Protection category IP 55

Version	Material	Colour	Packs of	Model No.
1 14 x M25/32	Insulating material	RAL 7035	1 pc(s).	9665.750
2 2 x M25/32/40, 1 x M32/40/50, 2 x M40/50/63	Insulating material	RAL 7035	1 pc(s).	9665.760
3 With sealing membranes 32 x Ø 7 – 16 mm, 4 x Ø 10 – 20 mm, 3 x Ø 14 – 26 mm	Insulating material	RAL 7035	1 pc(s).	9665.770
4 With entry glands up to Ø 66 mm	Insulating material	RAL 7035	1 pc(s).	9665.780
5 Solid	Sheet steel, spray-finished	RAL 7035	4 pc(s).	9665.785



Cut-out dimensions for 9665.750 to 9665.785



Roof/wall mounting

Roof

Roof plate

for cable entry, two-piece for TS, TS IT

In exchange for the standard roof. Equipped with a sliding angular bracket in the rear section. Rubber cable clamp strip on both sides for attaching cable bundles and bunched cables. Due to the symmetrical design of the TS frame, side cable entry can also be achieved by rotating the roof plate. The two-piece design allows convenient retrofitting.

Material:

- Sheet steel

Colour:

- RAL 7035

For enclosures		Packs of	Model No.
Width mm	Depth mm		
600	600	1 pc(s).	7826.665
600	800	1 pc(s).	7826.685
600	1000	1 pc(s).	7826.605
800	600	1 pc(s).	7826.865
800	800	1 pc(s).	7826.885
800	1000	1 pc(s).	7826.805
800	1200	1 pc(s).	7826.825



Roof plate, vented

for TS, TS IT

In exchange for the standard roof. 72 mm high roof plate, all-round vent slots, and clamp strip for cable entry. The two-piece design with cable entry allows convenient retrofitting.

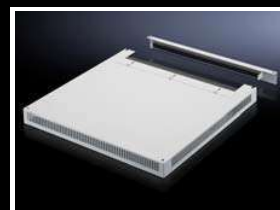
Material:

- Sheet steel

Colour:

- RAL 7035

For enclosures		Packs of	Model No.
Width mm	Depth mm		
600	600	1 pc(s).	7826.669
600	800	1 pc(s).	7826.689
800	600	1 pc(s).	7826.869
800	800	1 pc(s).	7826.889
800	1000	1 pc(s).	7826.809



Brush kit for cable entry in the roof

for TE

To activate cable entry in the roof plate.

Benefits:

- For simple top-mounting on the cut-out edge

Material:

- Plastic support with brushes

For enclosure width mm	Packs of	Model No.
600	2 pc(s).	7888.610
800	2 pc(s).	7888.612



Roof/wall mounting

Roof



Cable organiser

for TE open

Cable routing plate for targeted routing of cables.

Applications:

- Optionally on the roof plate of the TE open

Material:

- Sheet steel, spray-finished

Colour:

- RAL 7035

Packs of	Model No.
4 pc(s).	7888.950



Roof mounting screw

For screw-fastening the roof plate instead of eye-bolts. With contact washers for potential equalisation.

Thread: M12

Material:

- Steel

Surface finish:

- Zinc-plated

Supply includes:

- 20 panhead screws M 12 x 20
- 20 serrated sealing washers A 12.5

Packs of	Model No.
20 pc(s).	4198.000



Spacers

for roof plate TS

To raise the TS roof for ventilation purposes, in three different heights.

Not suitable for crane transportation!

Thread: M12

Material:

- Hexagonal sectional steel

Surface finish:

- Zinc-plated

Supply includes:

- Assembly parts

Height mm	Packs of	Model No.
10	4 pc(s).	2422.000
20	4 pc(s).	2423.000
50	4 pc(s).	7967.000

Roof/wall mounting

Roof

Eyebolts

for TS, SE

For crane transportation of enclosures, where not already included in the supply.

Thread: M12

Supply includes:

- 4 eyebolts M12
- 4 serrated lock washers A 12.5

Material	Packs of	Model No.
Sheet steel, zinc-plated, C 15E	4 pc(s).	4568.000
Stainless steel 1.4301 (AISI 304)	4 pc(s).	4568.500



Eyebolts

for CM

For crane transportation of enclosures, with reinforcement plate to be inserted underneath. Mounting via the two holes in the top of the CM.

Thread: M12

Supply includes:

- Eyebolts
- Reinforcement plates

Packs of	Model No.
2 pc(s).	2509.500



Eyebolts

for AE

For crane transportation of enclosures, with reinforcement plate to be inserted underneath.

Thread: M12

Supply includes:

- Eyebolts
- Reinforcement plates

Packs of	Model No.
4 pc(s).	2509.000



Roof/wall mounting

Wall mounting



Wall mounting bracket

For the attachment of KL, EB, BG and IT enclosures based on EL.

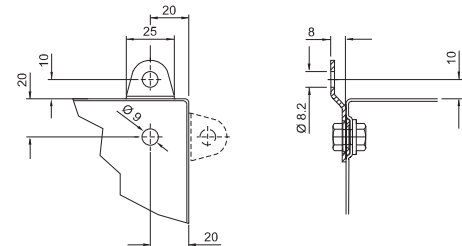
Supply includes:

- Assembly parts for mounting on the enclosure

Note:

- For hygiene reasons, and in view of the protection category, the stainless steel enclosures do not have any drilled holes for the wall mounting brackets

Material	Wall distance mm	Packs of	Model No.
Brass, nickel-plated	8	4 pc(s).	1580.000
Sheet steel, zinc-plated, passivated	8	4 pc(s).	1590.000
Stainless steel 1.4301 (AISI 304)	8	4 pc(s).	1594.000



Wall mounting bracket

for AE

For attaching to the enclosure from the outside. Simply insert the expandable dowel into the housing hole from the outside, and screw-fasten the wall bracket from the outside.

Material:

- Sheet steel

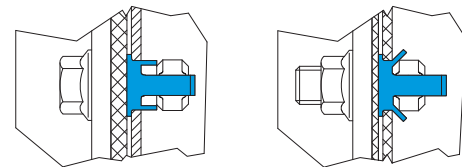
Surface finish:

- Zinc-plated

Supply includes:

- Wall bracket pre-fitted with seal and expandable dowel

Wall distance mm	Packs of	Model No.
15	4 pc(s).	2508.100



Wall mounting bracket

For mounting KL, EB, BG, AE, CM, IT enclosures based on EL and AE, TP consoles and small fibre-optic distributors.

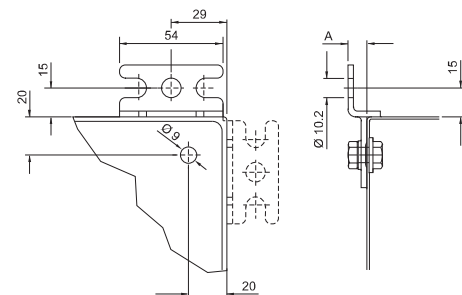
Supply includes:

- Assembly parts for mounting on the enclosure

Note:

- Item 2503.010 is only suitable up to a depth of 600 mm

Material	Wall distance (A) mm	Packs of	Model No.
Sheet steel, zinc-plated, passivated	40	4 pc(s).	2503.010
	10	4 pc(s).	2508.010
Stainless steel 1.4301 (AISI 304)	10	4 pc(s).	2433.000
Stainless steel 1.4404 (AISI 316L)	10	4 pc(s).	2433.500



Possible alternative:

- Wall spacer bracket Hygienic Design, see page 210

Roof/wall mounting

Wall mounting

Wall mounting bracket

for KS

For attachment to the wall, only possible from the outside of the enclosure.

Material:

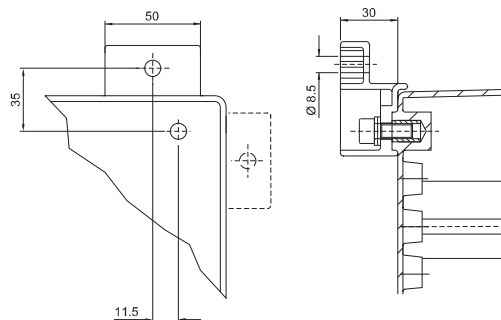
- Fibreglass-reinforced polyamide¹⁾

Supply includes:

- Assembly parts for mounting on the enclosure

Colour	Packs of	Model No.
Similar to RAL 7035	4 pc(s).	1483.010
Similar to RAL 9011	4 pc(s).	9266.000¹⁾

¹⁾ With graphite additive for Ex applications



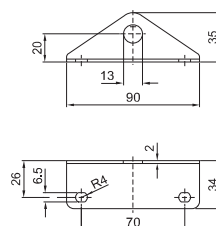
Wall angle

For compact enclosures (additional holes required in the enclosure).

Supply includes:

- Assembly parts for mounting on the enclosure

Material	Colour	Packs of	Model No.
Sheet steel	RAL 7035	4 pc(s).	2505.510
Stainless steel 1.4301 (AISI 304)	-	4 pc(s).	2583.010



Wall bracket

For roof-side wall mounting of TS and SE with a low depth and e.g. heavy components on the door or built-in swing frame.

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Packs of	Model No.
4 pc(s).	4595.000

Possible alternative:

- With TS 8 inside the enclosure (without mounting plate), baying bracket 8800.470, see page 656



Roof/wall mounting

Wall mounting



Pole clamp

for KL, EB, BG, AE, KS

For reliable, convenient fastening to round or square poles.

For pole diameter / size:

- Ø from 40 to 190 mm
- □ from 50 to 150 mm

Material:

- Mounting angles, clamping section: Sheet steel
- Clamping strap: Stainless steel 1.4301 (AISI 304)

Surface finish:

- Mounting angle, clamping section: Zinc-plated

Supply includes:

- 2 mounting angles, 600 mm long
- 4 clamping sections
- 2 clamping straps
- 4 clamping brackets
- 4 screws and captive nuts M8 for mounting on the enclosure.

Packs of	Model No.
2 pc(s).	2584.000

Enclosure connectors

Adjustable

Between Command Panels, terminal boxes, compact enclosures and horizontal or vertical surfaces. Pre-mount the connector halves on both sides, screw together and secure with a locking screw, and/or adjust the angle of rotation.

Rotation range:

- ±105° adjustable in 7.5° stepped increments

Material:

- Die-cast zinc

Surface finish:

- Powder-coated

Colour:

- RAL 7035

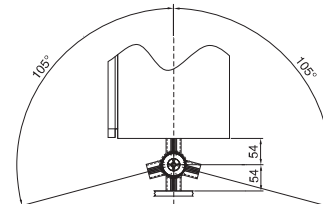
Supply includes:

- Assembly parts for both sides

Packs of	Model No.
2 pc(s).	6016.200

Note:

- The locking screws may be exchanged for standard, commercially available clamping levers (M10 x 50 mm)



Roof/wall mounting

Wall mounting

Frame connector, adjustable

for Comfort Panel

Between the command panel and keyboard housing and horizontal or vertical surfaces.

Rotation range:

- Adjustable in 8° stepped increments, see drawing

Material:

- Die-cast zinc

Surface finish:

- Powder-coated

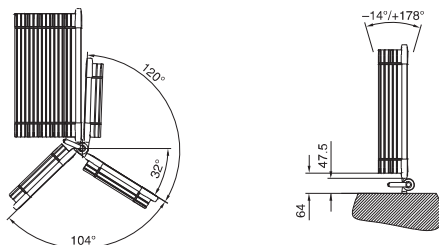
Colour:

- RAL 7024

Supply includes:

- Assembly parts and clamping levers for both sides

Packs of	Model No.
2 pc(s).	6005.500



Wall mounting

Vertically hinged

Between the Compact Panel and horizontal or vertical surfaces.

Rotation range:

- 180° adjustable on a 7.2° pitch pattern

Material:

- Wall mounting bracket: Sheet steel
- Knurled screw: Steel with plastic knurled handle

Supply includes:

- Knurled screw and assembly parts for mounting on the Compact Panel

Packs of	Model No.
2 pc(s).	6341.000



Interior installation

Mounting plates



Mounting plates

for KL and KL-HD

For component installation outside of the enclosure. Assembly screws included as accessories with the enclosure.

Material:

- Sheet steel, 2 mm

Surface finish:

- Zinc-plated



Accessories:

- Self-tapping screws 2487.000, see page 737



Possible alternative:

- Support rails, see page 725

For size mm	For Model No. KL and KL-HD	Model No.
150 x 150	1500.510, 1514.510, 1521.010, 1527.010, 1670.600, 1671.600	1560.700
200 x 150	1528.510, 1529.510	1575.700
300 x 150	1501.510, 1515.510, 1522.010, 1530.510	1561.700
400 x 150	1589.510	1576.700
200 x 200	1502.510, 1516.510, 1523.010, 1528.010, 1672.600	1562.700
300 x 200	1503.510, 1517.510, 1524.010, 1529.010, 1531.510, 1674.600	1563.700
400 x 200	1504.510, 1518.510, 1525.010, 1532.510, 1675.600	1564.700
500 x 200	1505.510, 1533.510	1565.700
600 x 200	1506.510, 1519.510, 1534.510	1566.700
800 x 200	1527.510, 1542.510	1574.700
300 x 300	1507.510, 1526.010, 1535.510	1567.700
400 x 300	1508.510, 1530.010, 1536.510, 1676.600	1568.700
500 x 300	1509.510, 1537.510	1569.700
600 x 300	1510.510, 1538.510	1570.700
400 x 400	1511.510, 1539.510	1571.700
600 x 400	1512.510, 1540.510	1572.700
800 x 400	1513.510, 1541.510	1573.700



Mounting plate

for TS, 400 mm wide

Depth-adjustable on a 25 mm pitch pattern.

Material:

- Sheet steel, 3 mm

Surface finish:

- Zinc-plated

Supply includes:

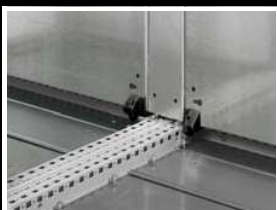
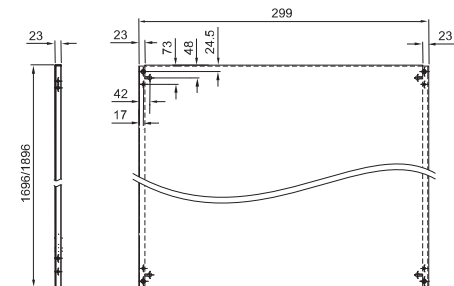
- Assembly parts



Accessories:

- TS 18 x 38 mm punched rail, used as mounting plate slide rail, see page 720
- TS width divider, for installation in wider enclosures, see page 630

For enclosure height mm	Model No.
1800	8614.180
2000	8614.200



Mounting plate infill

for TS

For a continuous mounting surface in bayed suites where the mounting plate is set forward.

Material:

- Sheet steel, 2 mm

Surface finish:

- Zinc-plated

Supply includes:

- Assembly parts

For enclosure height mm	Model No.
1800	4590.700
2000	4591.700
2200	4592.700

Interior installation

Mounting plates

Mounting plate attachment

For additional clamping and to reduce potential vibration of the mounting plate. Select according to mounting position, installation type and enclosure.

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

- Assembly parts

For TS, SE

Installation options:

- At the side, at half height in conjunction with mounting plate infill
- In the penultimate position
- Set forward (supplied state)

Benefit:

No impairment to the mounting surface, but mounting is only possible from the enclosure rear

Packs of	Model No.
10 pc(s).	8800.630



Accessories:

- Mounting plate infill, see page 702



For TS, SE

Installation options:

- At the side
- At the rear, flush with enclosure frame

Benefit:

No impairment to the mounting surface, but mounting is only possible from the enclosure rear

Packs of	Model No.
10 pc(s).	8800.610



For TS, SE

Installation options:

- At the side
- At the rear, flush with enclosure frame
- Set forward on a 25 mm pitch pattern

Benefit:

No impairment to the mounting surface, for optional use as attachment or screw-fastening

Packs of	Model No.
10 pc(s).	8800.090

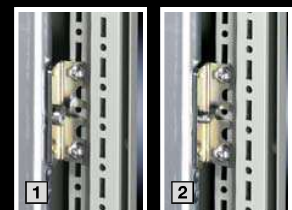


Also required:

- Punched section with mounting flange 17 x 73 mm for the inner mounting level, see page 717 (for fig. 3)



- 1 Mounting plate attached with a screw in the rearmost installation position
- 2 Mounting plate screw-fastened from the rear in the rearmost installation position
- 3 Mounting plate in a set forward position, either attached with a screw or screw-fastened (not shown)



For TS, SE

Installation options:

- At the side
- At the rear, flush with enclosure frame

Slide over the plate at the side and secure with screws. Additionally, the mounting plate may be drilled and screw-fastened at the rear C-edge.

Packs of	Model No.
10 pc(s).	8800.050



Interior installation

Mounting plates

Mounting plate attachment

For additional clamping and to reduce potential vibration of the mounting plate. Select according to mounting position, installation type and enclosure.

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

- Assembly parts



For TS, SE

Installation options:

- All-round
- Set forward on a 25 mm pitch pattern

Slide in between the bar and plate from below or above or from the side, and secure with screws.

Packs of	Model No.
10 pc(s).	4593.000



Also required:

- Support strip (with TS for inner level), see page 720 or
- Punched section with mounting flange (with TS for inner level), see page 717 or
- Punched rails and punched sections without mounting flange, see page 719/720



For TS, SE

Installation options:

- On the top and bottom of the mounting plate
- At the rear, flush with enclosure frame

Screw in the clip behind the plate and secure with screws.

Packs of	Model No.
10 pc(s).	4576.000



Installation kit

for mounting plates TS, SE, back-to-back

The minimal distance between the two mounting plates ensures maximum depth available for installed equipment on both sides.

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Note:

Build depth front and rear, with central installation = (enclosure depth -48 mm) : 2

Example:

8806.521 = Depth 600 mm

Build depth = 2 x 276 mm

Packs of	Model No.
1 pc(s).	8800.280



Mounting plates

For Outdoor Basic enclosure

For the configuration of mounting levels. The mounting plates are depth-adjustable on a 25 mm pitch pattern.

Material:

- Aluminium, 3 mm

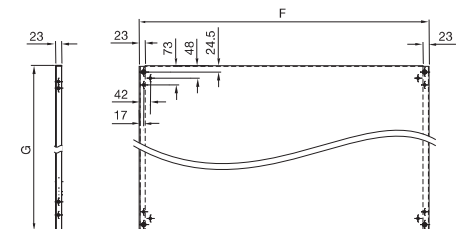
Supply includes:

- Assembly parts

Note:

- For an enclosure width of 1200 mm, partial installation with one or two 600 mm wide mounting plates is possible

For enclosure		F mm	G mm	Model No.
Width mm	Height mm			
600	1200	499	1096	9765.092
800	1200	699	1096	9765.095
1200	1200	1099	1096	9765.191



Interior installation

Mounting plates

Slide rails

for mounting plate TS

Slides in from the side.

- Attachment of the mounting plate to the slide rails using cage nuts and screws.
- Mounting of the slide rails directly on the enclosure frame, depth-adjustable on a 25 mm pitch pattern

Material:

- Sheet steel

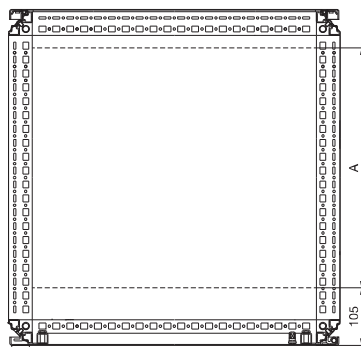
Surface finish:

- Zinc-plated

Supply includes:

- Assembly parts

For enclosure width mm	Packs of	Model No.
600	2 pc(s).	8802.260
800	2 pc(s).	8802.280
1200	2 pc(s).	8802.220



For enclosure depth mm	A (depth adjustable on a 25 mm pitch pattern from/to)
400	105 – 330
500	105 – 430
600	105 – 530
800	105 – 730



Mounting plate adjustment bracket

for KS

Infinitely adjustable.

Other equipment can also be installed on a rail system in this way, instead of the mounting plate.

Material:

- Sheet steel

Surface finish:

- Zinc-plated

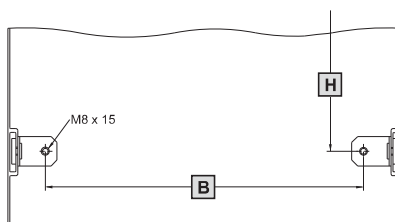
Supply includes:

- Assembly parts

- B** Enclosure width:
 - 76 mm (1481.000)
 - 104 mm (1491.000)

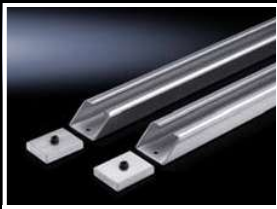
- H** Enclosure height:
 - 150 mm

For enclosures KS	Packs of	Model No.
1423.500, 1432.500, 1434.500, 1444.500, 1446.500, 1448.500, 1449.500, 1466.500, 1467.500	4 pc(s).	1481.000
1400.500, 1453.500, 1454.500, 1468.500, 1469.500, 1479.500, 1480.500	4 pc(s).	1491.000



Interior installation

Mounting plates



Mounting plate attachment for CM, TP one-piece console, TP pedestal for high dynamic loads

For example, if a direct connection between the mounting plate and the enclosure is required for mobile use (cranes etc.). Tested as per DIN EN 60 721 severity 3 M4, with a weight of 150 kg evenly distributed over the mounting plate. Simply screw-fasten to the existing holes in the mounting plate to pre-assemble for:

Wall mounting from the inside

Direct using a bracket and wall/support mounted enclosure.

Wall mounting from the outside

Screws for wall mounting brackets (see page 698) are easily screwed into the plate nuts from the outside

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

- Assembly parts

Packs of	Model No.
1 pc(s).	5001.075

Cross-brace for mounting plates

for TS, SE

Additional horizontal rigidity for vibration resistance and/or stabilisation of wide mounting plates. This brace may also be used as an attachment aid for heavy components.

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

- 2 sections
- 4 clamping sections
- 4 grub screws M10 x 16 mm

For enclosure width mm	Model No.
1200	4333.120
1600	4333.160
1800	4333.180

Transport handles for mounting plates

for TS, SE

May be used at any given position in the side C-fold.

Benefits include:

- Can be used for people of different heights
- Optimised force transmission
- Easy handling

Packs of	Model No.
2 pc(s).	2415.500

Interior installation

Mounting plates

Partial mounting plates

for TS, SE

For

- Universal interior installation, also in conjunction with punched sections with mounting flanges and support strips; defective assemblies are easily and quickly replaced
- Additional mounting levels

Partial mounting plates are fastened directly onto the vertical enclosure sections via the inner mounting level using the assembly parts supplied loose. In this mounting position (in both the width and the depth) they form one level with TS punched sections with mounting flanges 17 x 73 mm and TS support strips for the inner mounting level.

Material:

- Sheet steel, 2,5 mm

Surface finish:

- Zinc-plated

Supply includes:

- Assembly parts



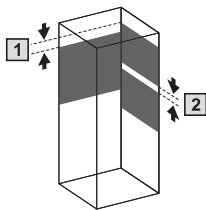
Accessories:

- TS punched section with mounting flange 17 x 73 mm for the outer mounting level, see page 717
- TS support strip, see page 720
- Hinge attachment, see page 708
- Self-tapping screws , 2487.000, see page 737



For installation in								Size mm	Packs of	Model No.	
Enclosure width mm				Enclosure depth (side) mm							
400	600	800	1000	1200	400	500	600	800			
■	■				■		■		500 x 300	1 pc(s).	8614.640
	■					■	■		500 x 400	1 pc(s).	8614.650
	■						■		500 x 500	1 pc(s).	8614.660
	■	■					■	■	500 x 700	1 pc(s).	8614.680
	■						■		500 x 775	1 pc(s).	8614.675¹⁾
■		■			■			■	700 x 300	1 pc(s).	8614.840
		■				■		■	700 x 400	1 pc(s).	8614.850
		■						■	700 x 700	1 pc(s).	8614.880
■			■		■				900 x 300	1 pc(s).	8614.040
			■			■			900 x 400	1 pc(s).	8614.050
	■		■				■		900 x 500	1 pc(s).	8614.060
■				■	■				1100 x 300	1 pc(s).	8614.240
				■		■			1100 x 400	1 pc(s).	8614.250
	■			■			■		1100 x 500	1 pc(s).	8614.260

¹⁾ Also suitable for installing in
 - PC enclosures based on SE behind the lower front door
 - IW enclosures, height 900 and 1000 mm

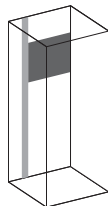


When **installing around corners** due to collision between the assembly components

- 1 At least 75 mm (adjustable on a 25 mm pitch pattern)

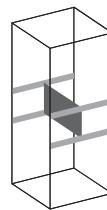
Maximum space utilisation

- 2 1 mm (adjustable on a 25 mm pitch pattern)



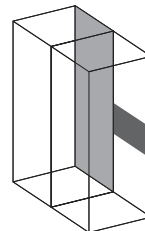
Partial installation

Partial use of the enclosure depth or width is also possible, in this case using a PS punched section without mounting flange 23 x 73 mm, see page 722



Set forward installation position

Quickly and easily achieved with four TS punched sections with mounting flanges 17 x 73 mm for the outer mounting level, see page 717



Continuously flush

In bayed enclosure suites, the partial mounting plate is in the rearmost position flush with the standard mounting plate; this facilitates continuous component mounting

Interior installation

Mounting plates



Hinge attachment

for partial mounting plate TS, SE

Material:

- Steel

Surface finish:

- Zinc-plated

Supply includes:

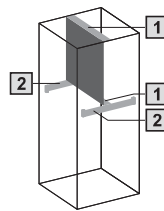
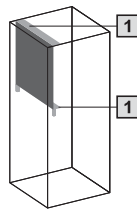
- Assembly parts

Examples

In the highest or lowest position

Front

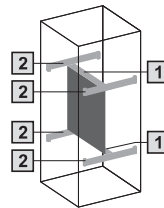
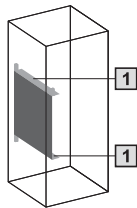
Set back



In a central position

Front

Set back



Packs of	Model No.
1 pc(s).	8614.100

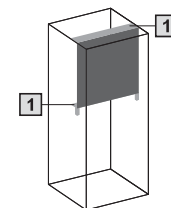
! Also required:

- **1** Installation kit for swing frame, small, for enclosure width 600 mm 2377.860, 800 mm 2377.880, see page 796
- **2** PS punched section without mounting flange 23 x 73 mm according to the enclosure depth, see page 723, support brackets 8800.330, see page 731 depending on the installation position

Side installation:

In conjunction with hinge, for side panel, see page 644, for an enclosure depth of 600 or 800 mm, side installation is identical to installation parallel to the front

Side installation



Partial mounting plates, locatable

for TS, SE, TP

For installation in

- Console and desk unit on the system rails for interior installation
- Pedestal at the side of punched sections with mounting flanges or support strips fitted in the depth
- Other enclosures mounted on rails with 25 mm pitch pattern punchings

For easy mounting on pre-fitted assembly screws. Bayable by screw-fastening at the sides.

Material:

- Sheet steel

Surface finish:

- Zinc-plated

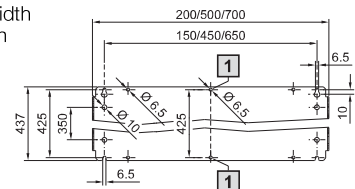
Supply includes:

- Assembly parts

Width mm	Height mm	Packs of	Model No.
200	437	1 pc(s).	6730.310
500	437	1 pc(s).	6730.330
700	437	1 pc(s).	6730.340

For console/desk unit width mm	Max. partial mounting plates that may be installed
600	1 x 6730.330
800	1 x 6730.340
1200	2 x 6730.310 1 x 6730.340
1600	1 x 6730.330 1 x 6730.340

1 From width 500 mm



Interior installation

Rail systems

AE installation examples with TS system rails

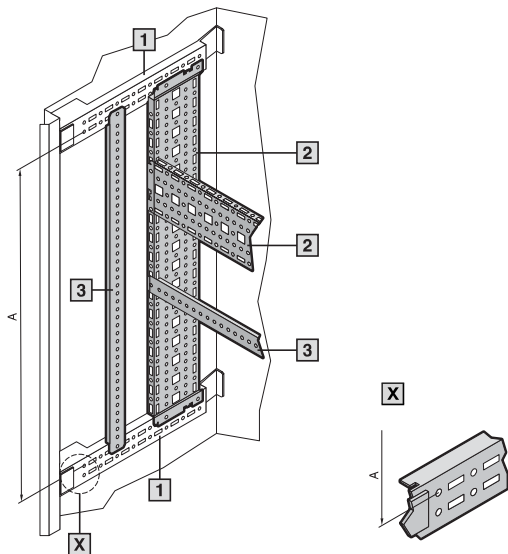
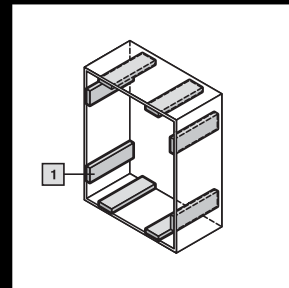
1 Rails for interior installation (preparing for installation)

For enclosure depth mm	Packs of	210	250	300	350	Page
Model No.	4 pc(s).	2383.210	2383.250	2383.300	2383.350	716

Interior installation in the width and height

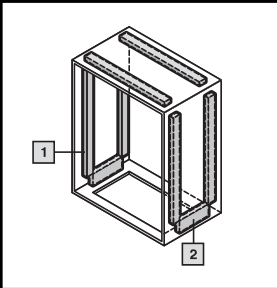
2 TS punched section with mounting flange 17 x 73 mm	AE from enclosure width/height mm	A ¹⁾ mm	Packs of	Model No.				
	380	225	4 pc(s).	8612.130	8612.130	8612.130	8612.130	717
		325	4 pc(s).	8612.140	8612.140	8612.140	8612.140	
500	375	4 pc(s).	8612.040	8612.040	8612.040	8612.040		
	425	4 pc(s).	8612.150	8612.150	8612.150	8612.150		
600	475	4 pc(s).	8612.050	8612.050	8612.050	8612.050		
	525	4 pc(s).	8612.160	8612.160	8612.160	8612.160		
760	575	4 pc(s).	8612.060	8612.060	8612.060	8612.060		
	725	4 pc(s).	8612.180	8612.180	8612.180	-		
1000	775	4 pc(s).	8612.080	8612.080	8612.080	-		
	875	4 pc(s).	8612.090	8612.090	8612.090	-		
1200	925	4 pc(s).	-	-	8612.100	-		
	975	4 pc(s).	-	-	8612.000	-		
1400	1125	4 pc(s).	-	-	8612.120	-		
	1175	4 pc(s).	-	-	8612.020	-		
3 TS support strip	400	325	20 pc(s).	4694.000	4694.000	4694.000	4694.000	720
	500	425	20 pc(s).	4695.000	4695.000	4695.000	4695.000	
	600	525	20 pc(s).	4696.000	4696.000	4696.000	4696.000	
	800	725	20 pc(s).	4697.000	4697.000	4697.000	4697.000	

¹⁾ A = Rail mounting distance



Interior installation

Rail systems



CM installation examples with TS system rails

1 Rails for interior installation (preparing for installation)							
For enclosure width/height mm	Packs of	600	800	1000	1200	1400	Page
Model No.	4 pc(s).	5001.050	5001.051	5001.052	5001.053	5001.054	716

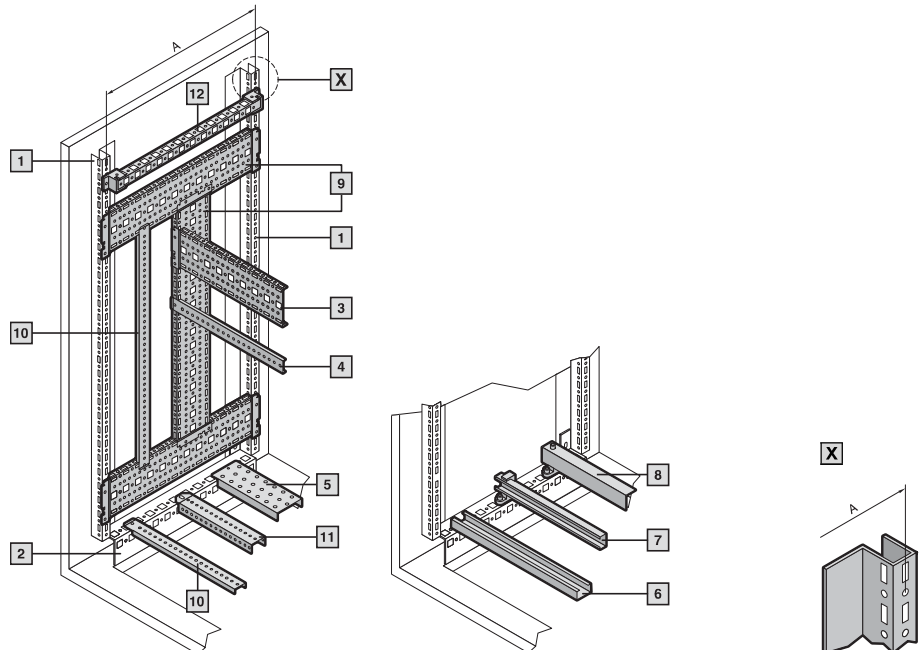
2 Base configuration rail (preparing for installation)							
For enclosure depth	Packs of	300	400	-	-	-	
Model No.	2 pc(s).	5001.371	5001.370	-	-	-	719

Installation in the width							
For enclosure width mm	Packs of	Model No.					
A ¹⁾ mm		600	800	1000	1200	1400	
		575	775	975	1175	-	
3 TS punched section with mounting flange 17 x 73 mm	4 pc(s).	8612.060	8612.080	8612.000	8612.020	-	717
4 TS support strips	20 pc(s).	8800.130	4579.000	-	-	-	720
5 Support rail	Slotted	4 pc(s).	4396.000	4398.000	-	-	724
	Unslotted	4 pc(s).	4396.500	4398.500	-	-	724
6 System support rails	2 pc(s).	4361.000	4362.000	4347.000	4363.000	-	724
7 C rails 30/15	6 pc(s).	4944.000	4945.000	4946.000	4947.000	-	723
8 Cable clamp rail	2 pc(s).	4191.000	4192.000	4336.000	4196.000	-	783

Installation in the height (individual installation e.g. with)	
TS punched section with mounting flange 17 x 73 mm	see page 717
TS support strips	see page 720

Installation in the depth									
	For enclosure depth mm	A ¹⁾ mm	Packs of	Model No.					
9 TS punched section with mounting flange 17 x 73 mm	300	225	4 pc(s).	8612.130	8612.130	8612.130	8612.130	8612.130	717
	400	325	4 pc(s).	8612.140	8612.140	8612.140	8612.140	8612.140	
10 TS support strips	400	325	20 pc(s).	4694.000	4694.000	4694.000	4694.000	4694.000	720
11 TS punched rail 18 x 38 mm	400	325	4 pc(s).	8612.240	8612.240	8612.240	8612.240	8612.240	720
12 PS punched rail 23 x 23 mm	400	275	12 pc(s).	4169.000	4169.000	4169.000	4169.000	4169.000	721
			24 pc(s).	8800.370	8800.370	8800.370	8800.370	8800.370	730

¹⁾ A = Rail mounting distance



Interior installation

Rail systems

TP pedestal/one-piece console Installation examples with TS system rails

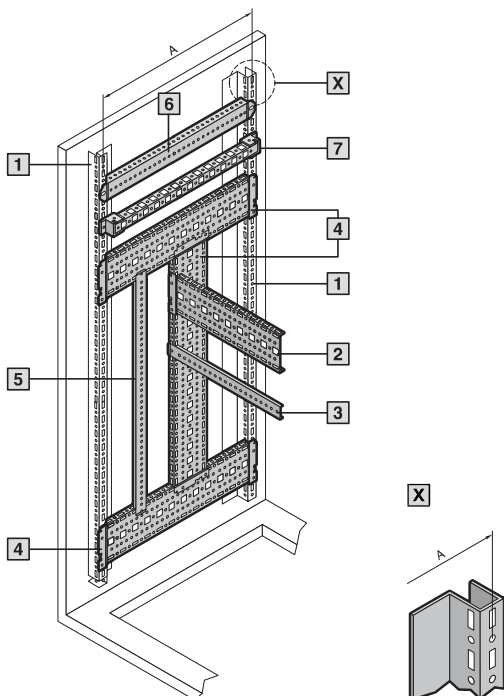
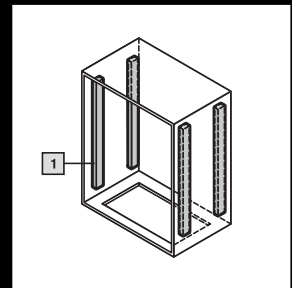
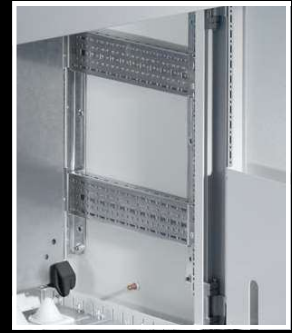
1 Rails for interior installation (preparing for installation)						
For enclosure width mm	Packs of	600	800	1200	1600	Page
For enclosure height mm		675	675	675	675	
Model No.	4 pc(s).	5001.050	5001.050	5001.050	5001.050	716

Installation in the width						
	Packs of	Model No.				
For enclosure width mm		600	800	1200	1600	
A ¹⁾ mm		575	775	1175	1575	
2 TS punched section with mounting flange 17 x 73 mm	4 pc(s).	8612.060	8612.080	8612.020	-	717
3 TS support strips	20 pc(s).	8800.130	4579.000	-	-	720

Installation in the height (individual installation e.g. with)		
TS support strips		see page 720
TS punched rail, 18 x 38 mm		see page 720

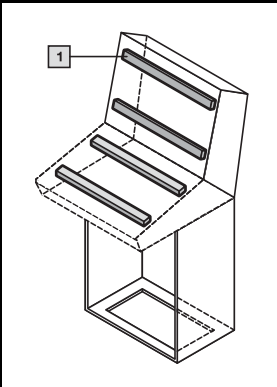
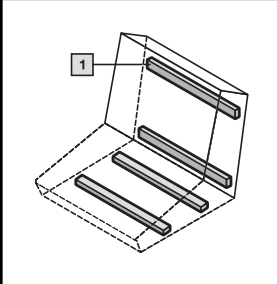
Installation in the depth								
	For enclosure depth mm	A ¹⁾ mm	Packs of	Model No.				
4 TS punched section with mounting flange 17 x 73 mm	400	325	4 pc(s).	8612.140	8612.140	8612.140	8612.140	717
	500	425	4 pc(s).	8612.150	8612.150	8612.150	8612.150	
5 TS support strips	400	325	20 pc(s).	4694.000	4694.000	4694.000	4694.000	720
	500	425	20 pc(s).	4695.000	4695.000	4695.000	4695.000	
6 TS punched rail 18 x 38 mm	400	325	4 pc(s).	8612.240	8612.240	8612.240	8612.240	720
	500	425	4 pc(s).	8612.250	8612.250	8612.250	8612.250	
7 PS punched rail 23 x 23 mm	400	325	12 pc(s).	4169.000	4169.000	4169.000	4169.000	721
	500	425	12 pc(s).	4170.000	4170.000	4170.000	4170.000	
With mounting bracket TS (2 per rail)			24 pc(s).	8800.370	8800.370	8800.370	8800.370	730

¹⁾ A = Rail mounting distance



Interior installation

Rail systems



TP console Installation examples with TS system rails

1 Rails for interior installation (preparing for installation)						
For enclosure width mm	Packs of	600	800	1200	1600	Page
Model No.	4 pc(s).	5001.050	5001.051	5001.053	5001.054	716

Installation in the height							
	A ¹⁾ mm	Packs of	Model No.				
For enclosure width mm			600	800	1200	1600	

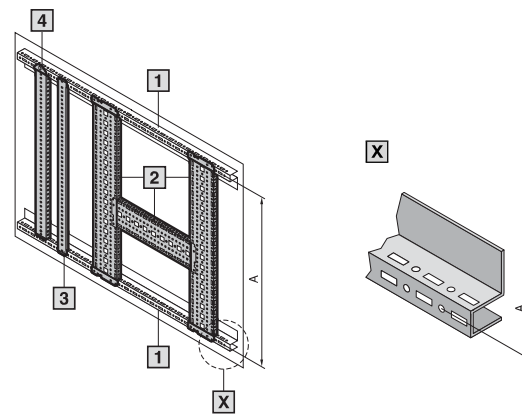
2 TS punched section with mounting flange 17 x 73 mm							
For cover	375	4 pc(s).	8612.040	8612.040	8612.040	8612.040	717
For enclosure	425	4 pc(s).	8612.150	8612.150	8612.150	8612.150	717

3 TS support strips							
For cover	375	4 pc(s).	4309.000	4309.000	4309.000	4309.000	720
For enclosure	425	4 pc(s).	4695.000	4695.000	4695.000	4695.000	720

4 TS punched rail 18 x 38 mm							
For enclosure	425	4 pc(s).	8612.250	8612.250	8612.250	8612.250	720

¹⁾ A = Rail mounting distance

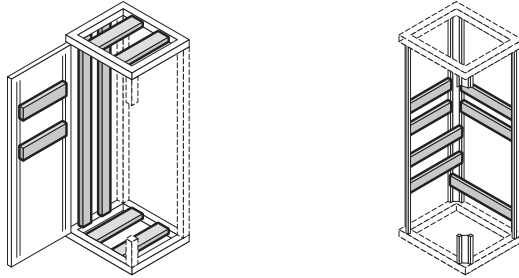
Console/desk unit/console lid



Interior installation

Rail systems

TS/SE installation examples with TS system rails



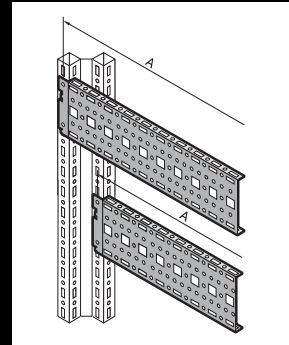
Installation in the roof and base frame in the width/depth	Installation between vertical sections in the width/depth	
	Inner level	Outer level



TS punched section with mounting flange, 17 x 73 mm

For enclosure width/depth mm	Packs of	A ¹⁾ mm	Model No.	A ¹⁾ mm	Model No.	A ¹⁾ mm	Model No.	Page
300	4 pc(s).	–	–	275	8612.030	225	8612.130	717
400	4 pc(s).	–	–	375	8612.040	325	8612.140	
500	4 pc(s).	–	–	475	8612.050	425	8612.150	
600	4 pc(s).	–	–	575	8612.060	525	8612.160	
800	4 pc(s).	–	–	775	8612.080	725	8612.180	
1000	4 pc(s).	–	–	975	8612.000	925	8612.100	
1200	4 pc(s).	–	–	1175	8612.020	1125	8612.120	

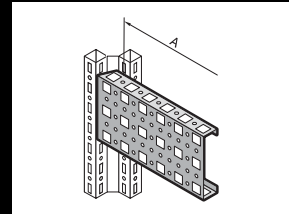
¹⁾ A = Rail mounting distance



TS punched section with mounting flange, 23 x 73 mm

For enclosure width/depth mm	Packs of	A ¹⁾ mm	Model No.	A ¹⁾ mm	Model No.	A ¹⁾ mm	Model No.	Page
500	4 pc(s).	–	–	425	8612.550	–	–	718
600	4 pc(s).	–	–	525	8612.560	–	–	
800	4 pc(s).	–	–	725	8612.580	–	–	
1000	4 pc(s).	–	–	925	8612.500	–	–	
1200	4 pc(s).	–	–	1125	8612.520	–	–	

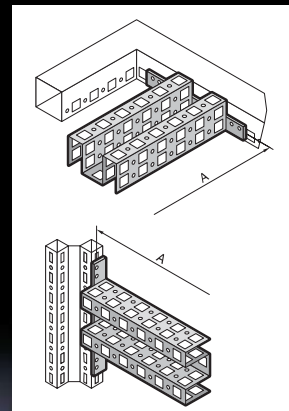
¹⁾ A = Rail mounting distance



TS punched section without mounting flange 45 x 88 mm

For enclosure width/depth mm	Packs of	A ¹⁾ mm	Model No.	A ¹⁾ mm	Model No.	A ¹⁾ mm	Model No.	Page
500	2 pc(s).	375	8612.650	375	8612.650	–	–	719
600	2 pc(s).	475	8612.660	475	8612.660	–	–	
800	2 pc(s).	675	8612.680	675	8612.680	–	–	

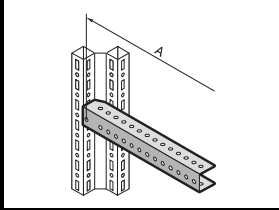
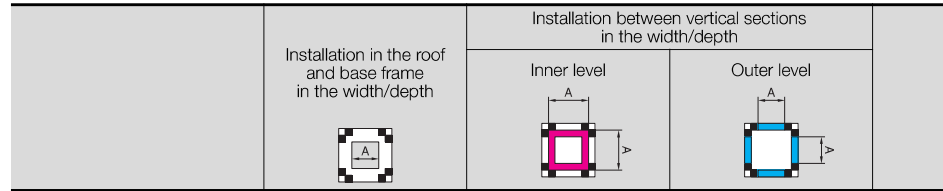
¹⁾ A = Rail mounting distance



Interior installation

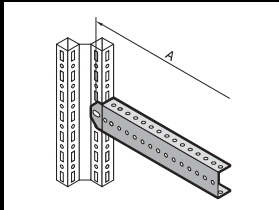
Rail systems

TS/SE installation examples with TS system rails



TS punched rail 25 x 38 mm (with snap-on nut M8)								
For enclosure width/depth mm	Packs of	A ¹⁾ mm	Model No.	A ¹⁾ mm	Model No.	A ¹⁾ mm	Model No.	Page
500	2 pc(s).	-	-	435	8612.750	-	-	719
600	2 pc(s).	-	-	535	8612.760	-	-	
800	2 pc(s).	-	-	735	8612.780	-	-	

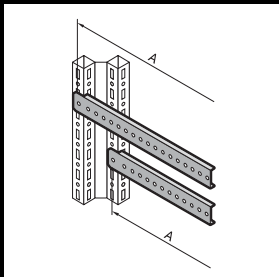
¹⁾ A = Rail mounting distance



TS punched rail, 18 x 38 mm								
For enclosure width/depth mm	Packs of	A ¹⁾ mm	Model No.	A ¹⁾ mm	Model No.	A ¹⁾ mm	Model No.	Page
400	4 pc(s).	335	8612.240	-	-	325	8612.240	720
500	4 pc(s).	435	8612.250	-	-	425	8612.250	
600	4 pc(s).	535	8612.260	-	-	525	8612.260	
800	4 pc(s).	735	8612.280	-	-	725	8612.280	

¹⁾ A = Rail mounting distance

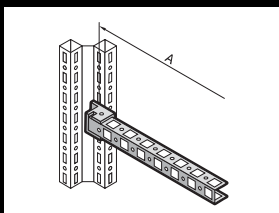
Two TS punched rails 18 x 38 mm are included in the supply of enclosures with a mounting plate as an installation aid. After installing the mounting plate, the TS punched rail may be inserted, as shown here.



TS support strips								
For enclosure width/depth mm	Packs of	A ¹⁾ mm	Model No.	A ¹⁾ mm	Model No.	A ¹⁾ mm	Model No.	Page
400	20 pc(s).	-	-	-	-	325	4694.000	720
500	20 pc(s).	-	-	-	-	425	4695.000	
600	20 pc(s).	-	-	-	-	525	4696.000	
800	20 pc(s).	-	-	-	-	725	4697.000	
400	20 pc(s).	-	-	375	4309.000	-	-	
500	20 pc(s).	-	-	475	4596.000	-	-	
600	20 pc(s).	-	-	575	8800.130	-	-	
-	20 pc(s).	-	-	675	4598.000	-	-	
800	20 pc(s).	-	-	775	4579.000	-	-	
-	20 pc(s).	-	-	875	4599.000	-	-	

¹⁾ A = Rail mounting distance

Alternatively, the TS support strip for the inner mounting level may also be used for mounting on the door.



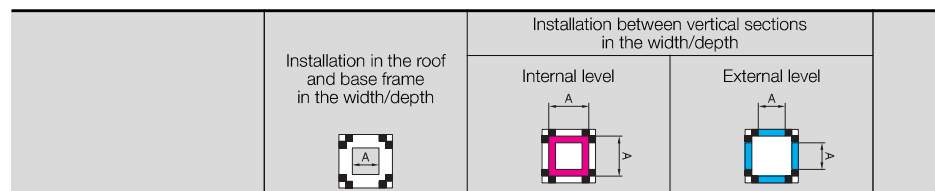
PS punched rails 23 x 23 mm (for installation options, see support bracket TS/PS, angle bracket, mounting bracket)								
For enclosure width/depth mm	Packs of	A ¹⁾ mm	Model No.	A ¹⁾ mm	Model No.	A ¹⁾ mm	Model No.	Page
400	12 pc(s).	275	4169.000	275	4169.000	-	-	721
500	12 pc(s).	375	4170.000	375	4170.000	-	-	
600	12 pc(s).	475	4171.000	475	4171.000	-	-	
800	12 pc(s).	675	4172.000	675	4172.000	-	-	
1000	12 pc(s).	875	4173.000	875	4173.000	-	-	
1200	6 pc(s).	1075	4174.000	1075	4174.000	-	-	
1400	6 pc(s).	1275	4393.000	1275	4393.000	-	-	
1600	6 pc(s).	1475	4175.000	1475	4175.000	-	-	
1800	6 pc(s).	1675	4176.000	1675	4176.000	-	-	
2000	6 pc(s).	1875	4177.000	1875	4177.000	-	-	
2200	6 pc(s).	2075	4178.000	2075	4178.000	-	-	

¹⁾ A = Rail mounting distance

Interior installation

Rail systems

TS/SE installation examples with TS system rails



PS punched section without mounting flange 23 x 73 mm (installation option with support bracket TS)

For enclosure width/depth mm	Packs of	A ¹⁾ mm	Model No.	A ¹⁾ mm	Model No.	A ¹⁾ mm	Model No.	Page
400	4 pc(s).	275	4374.000	275	4374.000	-	-	722
500	4 pc(s).	375	4375.000	375	4375.000	-	-	
600	4 pc(s).	475	4376.000	475	4376.000	-	-	
800	4 pc(s).	675	4377.000	675	4377.000	-	-	
1000	4 pc(s).	875	4382.000	875	4382.000	-	-	
1200	4 pc(s).	1075	4378.000	1075	4378.000	-	-	
1800	4 pc(s).	1675	4379.000	1675	4379.000	-	-	
2000	4 pc(s).	1875	4380.000	1875	4380.000	-	-	
2200	4 pc(s).	2075	4381.000	2075	4381.000	-	-	

¹⁾ A = Rail mounting distance

PS punched section with mounting flange 23 x 73 mm (installation options with TS adaptor rail when mounting on the vertical TS enclosure section)

For enclosure width/depth mm	Packs of	A ¹⁾ mm	Model No.	A ¹⁾ mm	Model No.	A ¹⁾ mm	Model No.	Page
400	4 pc(s).	335	8800.640	-	8800.640	-	-	723
500	4 pc(s).	435	8800.650	-	8800.650	-	-	
600	4 pc(s).	535	4364.000	-	4364.000	-	-	
800	4 pc(s).	735	4365.000	-	4365.000	-	-	
1000	4 pc(s).	935	4373.000	-	4373.000	-	-	
1200	4 pc(s).	1135	4367.000	-	4367.000	-	-	

¹⁾ A = Rail mounting distance

Support rails, slotted

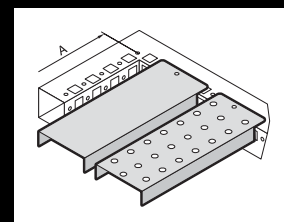
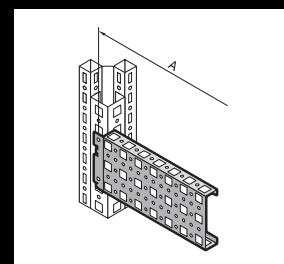
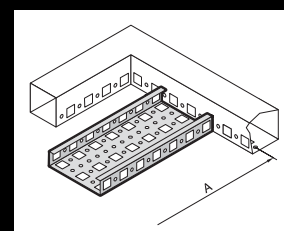
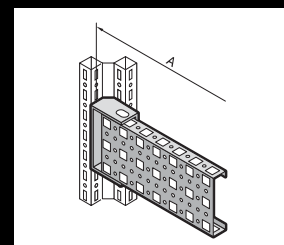
For enclosure width/depth mm	Packs of	A ¹⁾ mm	Model No.	A ¹⁾ mm	Model No.	A ¹⁾ mm	Model No.	Page
400	4 pc(s).	335	4394.000	-	-	-	-	724
500	2 pc(s).	435	4395.000	-	-	-	-	
600	2 pc(s).	535	4396.000	-	-	-	-	
800	2 pc(s).	735	4398.000	-	-	-	-	

Support rails, unslotted

400	4 pc(s).	335	-	-	-	-	-	724
500	2 pc(s).	435	-	-	-	-	-	
600	2 pc(s).	535	4396.500	-	-	-	-	
800	2 pc(s).	735	4398.500	-	-	-	-	

¹⁾ A = Rail mounting distance

Alternatively, the support rail (slotted and unslotted) can also be fitted with snap-on nut M8, adaptor rail or TS punched rail 25 x 38 mm on the vertical TS enclosure section.



Interior installation

Rail systems



Rails for interior installation

for AE

For mounting in the enclosure, no machining required. Suitable for all-round mounting on the sides, base and roof areas.

Variable with 2 rows of system punchings, creates additional mounting space e.g. for:

- TS punched section with mounting flange
- Enclosure lights
- Door-operated switch
- Door stay
- Cable conduit holder

Benefits:

- Only one screw for attaching the rail inside the enclosure
- Larger mounting space than with the previous rail, thanks to separate adaptor for door-operated switches (included with the supply)
- Compatibility with TS 8 system accessories
- Enclosure protection category is retained (no machining required)
- Automatic potential equalisation
- May be retrospectively installed even with the mounting plate in situ. Suitable for installation via gland plates

Material:

- Sheet steel

Surface finish:

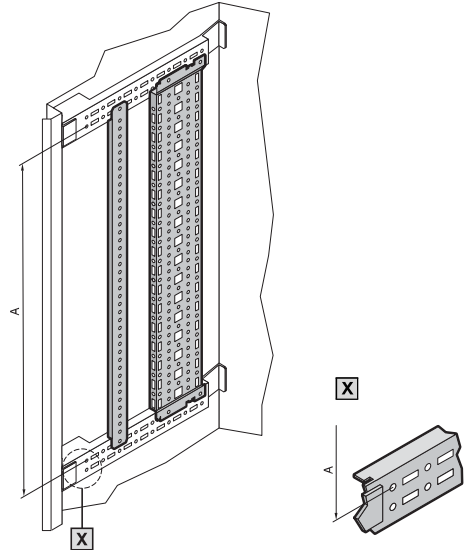
- Zinc-plated

Note:

- Other mounting options:
- Mounting plates, locatable, 8612.400, see page 727
 - Mounting plates, screw-fastening, large, 8612.410, see page 727
 - Mounting plates, screw-fastening, small, 4532.000, see page 728
 - Mounting brackets, 4597.000, see page 728

For enclosure depth mm	Packs of	Model No.
210	4 pc(s).	2383.210
250	4 pc(s).	2383.250
300	4 pc(s).	2383.300
350	4 pc(s).	2383.350

Configuration examples:



A = Bar centre distance



Rails for interior installation

for CM, TP

For mounting on the existing threaded bolts. With TS system punchings on three sides.

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

- Assembly parts

Width mm		Height mm		Packs of	Model No.
CM	TP ¹⁾	CM	TP ²⁾		
600	600	-	675	4 pc(s).	5001.050
800	800	800	960	4 pc(s).	5001.051
1000	1000	1000	-	4 pc(s).	5001.052
1200	1200	1200	-	4 pc(s).	5001.053
-	1600	1400	-	4 pc(s).	5001.054

¹⁾ Only with TP console and desk unit (cover or rear panel/base), one-piece console in cover
²⁾ Only with TP pedestal/one-piece console

Configuration examples:

See from page 710

Interior installation

Rail systems

TS punched section with mounting flange, 17 x 73 mm

Variable, with 5 rows of holes for universal skeleton structures or partial assembly. Simply locate onto the TS punchings and secure.

Installation options:

- On the vertical TS enclosure section
 - On the outer mounting level, all-round, at the same height
 - On the inner mounting level, all-round, height-offset
- In the tubular door frame for TS, SE and PC
- For SE, may additionally be mounted on the top horizontal section in the depth
- In CM and TP via rail for interior installation
 - In the depth, for outer mounting level
 - In the width, for inner mounting level

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

- Assembly screws



Also required:

- For installation in CM, TP:
Rail for interior installation, see page 716



Accessories:

- Screws, see page 737.
- Cable tie for fast assembly 2597.000, see page 785

For the outer mounting level

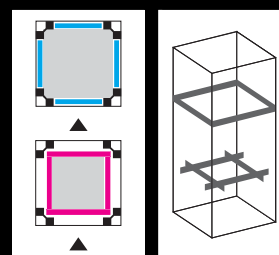
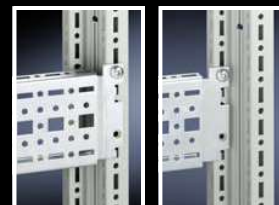
For enclosure width/depth mm	Packs of	Model No.
300	4 pc(s).	8612.130
400	4 pc(s).	8612.140
500	4 pc(s).	8612.150
600	4 pc(s).	8612.160
800	4 pc(s).	8612.180
1000	4 pc(s).	8612.100
1200	4 pc(s).	8612.120

For the inner mounting level or for tubular door frames

For door width mm	For enclosure width/depth mm	Length mm	Packs of	Model No.
400	300	290	4 pc(s).	8612.030
500	400	390	4 pc(s).	8612.040
600	500	490	4 pc(s).	8612.050
–	600	590	4 pc(s).	8612.060
800	–	690	4 pc(s).	8612.070
900	800	790	4 pc(s).	8612.080
1000	–	890	4 pc(s).	8612.090
–	1000	990	4 pc(s).	8612.000
–	1200	1190	4 pc(s).	8612.020

Configuration examples:

See from page 713



Attachment TS

for TS punched section with mounting flange, 17 x 73 mm

Benefits:

- For attaching the TS punched section with mounting flange where access for screw-fastening installed equipment, such as mounting plates, is blocked
- May also be screw-fastened onto the punched section with mounting flange or enclosure frame and used as a support for contact hazard protection covers or master switch trim panels

Packs of	Model No.
12 pc(s).	8612.010

Material:

- Sheet steel

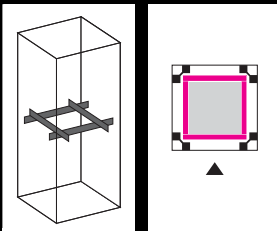
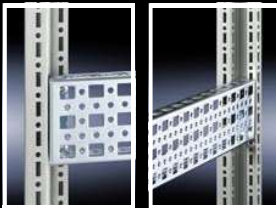
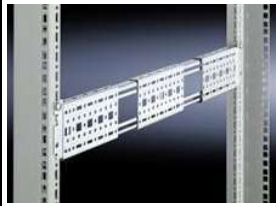
Surface finish:

- Zinc-plated



Interior installation

Rail systems



TS punched section with mounting flange, 17 x 73 mm

Depth-variable, for TE

For flexible interior installation, and/or to accommodate additional built-in components. Punched sections with mounting flanges may be suspended in the enclosure depth between two TE mounting frames with a distance between the 482.6 mm (19") levels of 650 – 820 mm. An additional screw fastening secures the unit.

Length mm	Packs of	Model No.
530 – 700	2 pc(s).	7000.678

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

- Assembly parts

TS punched section with mounting flange, 23 x 73 mm

The alternative to the TS punched section with mounting flange 17 x 73 mm, see page 717, with punchings for cage nuts/threaded blocks instead of the slotted holes top and bottom. Simply locate and secure.

Installation options:

- On the vertical TS, SE enclosure section

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

- Assembly screws

For the inner mounting level

For enclosure width/depth mm	Packs of	Model No.
500	4 pc(s).	8612.550
600	4 pc(s).	8612.560
800	4 pc(s).	8612.580
1000	4 pc(s).	8612.500
1200	4 pc(s).	8612.520



Accessories:

- Screws, see page 737.
- Threaded blocks, cage nuts, see page 736

Configuration examples:

See page 713

Interior installation

Rail systems

TS punched section without mounting flange 45 x 88 mm

Provides support for heavy top-mounted equipment mounted directly on the internal surfaces (e.g. roof). Mounted on the side or rear, the enclosure can then be screw-fastened securely to the machine. The twin profile with 11 rows of holes offers numerous additional opportunities for interior installation.

Installation options:

- On the vertical and horizontal TS, SE enclosure section

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

- Assembly parts

For the inner mounting level

For enclosure width/depth mm	Packs of	Model No.
500	2 pc(s).	8612.650
600	2 pc(s).	8612.660
800	2 pc(s).	8612.680

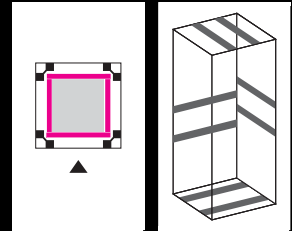


Accessories:

- Screws, see page 737
- Threaded blocks, cage nuts, see page 736

Configuration examples:

See page 713



TS punched rail 25 x 38 mm

For heavy installed equipment, with attachment holes.

Installation options:

- On the vertical TS, SE enclosure section

With 9 mm round holes on a 25 mm pitch pattern on all sides, for mounting

- Support rails, see page 724
- System support rails, see page 724
- C rails 30/15, see page 723
- Cable clamp rails (right angle section), see page 783
- Customer assemblies

Material:

- Sheet steel, 3.0 mm

Surface finish:

- Zinc-plated

Supply includes:

- Assembly screws

For enclosure width/depth mm	Packs of	Model No.
500	2 pc(s).	8612.750
600	2 pc(s).	8612.760
800	2 pc(s).	8612.780



Also required:

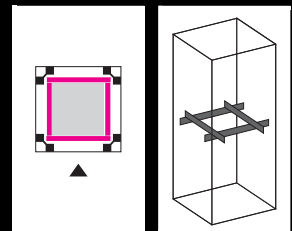
- Snap-on nut M8, 8800.808, see page 729

Note:

- In conjunction with the snap-on nut, particularly well-suited for dynamic connections

Configuration examples:

See from page 713.



Base configuration rail

for CM, TP

For mounting in the enclosure depth, on the existing threaded bolts, no machining required. TS system punchings on 2 sides. Creates additional installation options.

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

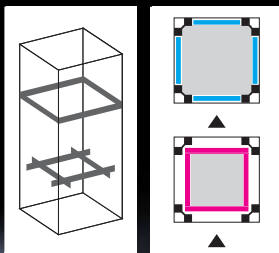
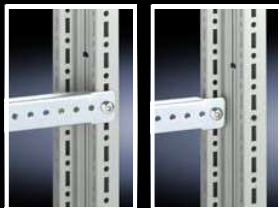
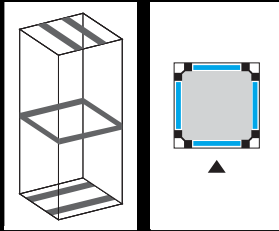
- Assembly parts

For enclosure depth mm	Packs of	Model No.
400	2 pc(s).	5001.370
300	2 pc(s).	5001.371



Interior installation

Rail systems



TS punched rail 18 x 38 mm

Simply locate and secure with a screw. The location system makes assembly and dismantling easier. It only needs to be secured on one side, but may be secured on both sides if required.

Installation options:

- On the vertical TS, SE enclosure section
 - On the outer mounting level
- On the horizontal TS, SE enclosure section
- On base configuration rail for CM

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

- Assembly screws

Note:

- In enclosures with a mounting plate, 2 punched rails are already included with the supply

For enclosure width/depth mm	Packs of	Model No.
400	4 pc(s).	8612.240
500	4 pc(s).	8612.250
600	4 pc(s).	8612.260
800	4 pc(s).	8612.280

⊕ Accessories:

- Screws, see page 737
- Cable ties for fast assembly 2597.000, see page 785
- Cable clamps, see page 784

Configuration examples:

See from page 713

TS support strips

Installation options:

- On the vertical and horizontal TS, SE enclosure section
 - On the outer mounting level, all-round, at the same height
 - On the inner mounting level, all-round, height-offset
- On the tubular door frame TS, SE
- On the perforated door strip CM, TP

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

- Assembly screws

For the outer mounting level

For enclosure width/depth mm	Length mm	Packs of	Model No.
400	340	20 pc(s).	4694.000
500	440	20 pc(s).	4695.000
600	540	20 pc(s).	4696.000
800	740	20 pc(s).	4697.000

⊕ Accessories:

- Screws, see page 737
- Cable ties for fast assembly 2597.000, see page 785

Configuration examples:

See from page 713

For the inner mounting level and for mounting on doors

For enclosure width/depth mm	For door width mm	Length mm	Packs of	Model No.
–	400	290	20 pc(s).	4594.000
400	500	390	20 pc(s).	4309.000
500	600	490	20 pc(s).	4596.000
600	–	590	20 pc(s).	8800.130
–	800	690	20 pc(s).	4598.000
800	900	790	20 pc(s).	4579.000
–	1000	890	20 pc(s).	4599.000

Interior installation

Rail systems

TS assembly block

Installation in the vertical TS, SE enclosure sections for mounting PS-compatible individual components.

Material:

- Die-cast zinc

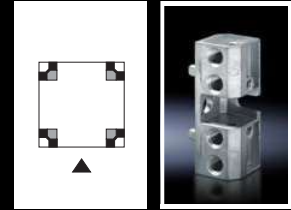
Supply includes:

- Assembly screws

Packs of	Model No.
4 pc(s).	8800.310

Possible alternative:

- Snap-on nut, see page 729



Adaptor rail

for PS compatibility

Installation in the vertical TS, SE enclosure sections (across the entire enclosure height or in sub-sections), and in the case of SE, may additionally be fitted to the top horizontal section in the width (must be cut to length depending on the width of the enclosure), in order to achieve compatibility with:

- PS punched rail, 23 x 23 mm
- PS punched section without mounting flange 23 x 73 mm
- PS punched section with mounting flange 23 x 73 mm

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

- Assembly screws

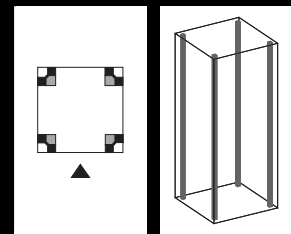
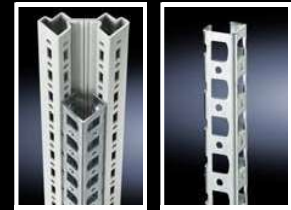
For enclosure height mm	Packs of	Model No.
1800	4 pc(s).	8800.380
2000	4 pc(s).	8800.300
2200	4 pc(s).	8800.320

Accessories:

- Screws, see page 737

Possible alternative:

- Snap-on nut, see page 729



PS punched rails 23 x 23 mm

for TS, SE

Installation options:

- On the vertical enclosure section
 - Directly via support brackets TS
 - Via adaptor rail for PS compatibility in conjunction with angle brackets, mounting brackets or support brackets PS
- On the horizontal enclosure section
 - Directly via angle brackets, mounting brackets or support brackets PS

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Length mm	For WHD mm	Packs of	Model No.
295	400	12 pc(s).	4169.000
395	500	12 pc(s).	4170.000
495	600	12 pc(s).	4171.000
695	800	12 pc(s).	4172.000
895	1000	12 pc(s).	4173.000
1095	1200	6 pc(s).	4174.000
1295	1400	6 pc(s).	4393.000
1495	1600	6 pc(s).	4175.000
1695	1800	6 pc(s).	4176.000
1895	2000	6 pc(s).	4177.000
2095	2200	6 pc(s).	4178.000

! Also required:

- U nuts, see page 735
- Mounting brackets TS/PS, see page 730 or
- Angle brackets, support brackets TS/PS, see page 731
- Adaptor rail for PS compatibility, see page 721

Accessories:

- Cable attachment, see page 785
- Screws, see page 737
- Cable ties for fast assembly 2597.000, see page 785.

Configuration examples:

See from page 713



Interior installation

Rail systems



Punched rail 23 x 23 mm

for Flex-Block

Supports tool-free installation in two levels via a plug-in system in the Flex-Block depth. For the installation of cable clamp rails.

Installation options:

- In the width and depth

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

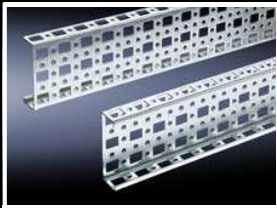
- 12 punched rails
- Assembly parts for mounting

Length mm	For width/depth mm	Packs of	Model No.
245	400	12 pc(s).	4169.500
345	500	12 pc(s).	4170.500
445	600	12 pc(s).	4171.500
645	800	12 pc(s).	4172.500



Accessories:

- Cable clamp rail (PS 4193.000 etc.), see page 783
- Adaptor rail for PS compatibility, see page 721



PS punched section without mounting flange 23 x 73 mm

for TS, SE

Installation options:

- On the vertical enclosure section
 - Directly via support brackets TS
 - Via adaptor rail for PS compatibility in conjunction with support brackets PS
- On the horizontal enclosure section
 - Directly via support brackets PS

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Length mm	For WHD mm	Packs of	Model No.
295	400	4 pc(s).	4374.000
395	500	4 pc(s).	4375.000
495	600	4 pc(s).	4376.000
695	800	4 pc(s).	4377.000
895	1000	4 pc(s).	4382.000
1095	1200	4 pc(s).	4378.000
1695	1800	4 pc(s).	4379.000
1895	2000	4 pc(s).	4380.000
2095	2200	4 pc(s).	4381.000



Also required:

- Support brackets PS/TS, see page 731

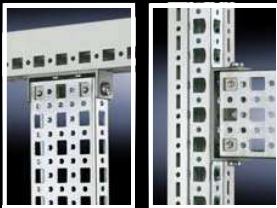


Accessories:

- Screws, see page 737.
- Cable ties for fast assembly 2597.000, see page 785
- U nuts, see page 735

Configuration examples:

See from page 713



Interior installation

Rail systems

PS punched section with mounting flange 23 x 73 mm

for TS, SE

Variable, with 5 rows of holes for universal skeleton structures or partial assembly. Simply locate into the system punchings and secure.

Installation options:

- On the vertical TS enclosure section
 - Via adaptor rail for PS compatibility
- On the horizontal TS enclosure section
- In the case of SE, may additionally be fitted to the horizontal section at the bottom (width/depth) and top (width)

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

- Assembly screws

Installation in enclosure width/depth TS mm	Packs of	Model No.
400	4 pc(s).	8800.640
500	4 pc(s).	8800.650
600	4 pc(s).	4364.000
800	4 pc(s).	4365.000
1000	4 pc(s).	4373.000
1200	4 pc(s).	4367.000

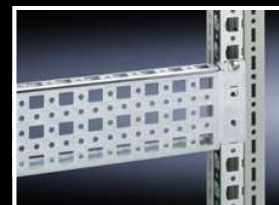


Also required:

- Adaptor rail for PS compatibility (when mounting on the vertical enclosure section), see page 721

Configuration examples:

See from page 713



C rails 30/15

to EN 60 715 for TS, SE

Installation options:

- On the vertical TS, SE enclosure section
 - Via snap-on nut 8800.808 (fig. 1)
 - Via adaptor rail for PS compatibility
- On the horizontal TS enclosure section (fig. 2)
- In the case of SE, additionally on the horizontal section
 - In the width (bottom/top)
 - In the depth, bottom (without mounting plate)
 - In the depth, top
 using snap-on nuts 8800.808 (fig. 1)
- On base configuration rail for CM

Material:

- Sheet steel

Surface finish:

- Zinc-plated

For enclosure width/depth mm	Length mm	Packs of	Model No.
500	455	6 pc(s).	4943.000
600	555	6 pc(s).	4944.000
800	755	6 pc(s).	4945.000
1000	955	6 pc(s).	4946.000
1200	1155	6 pc(s).	4947.000



Accessories:

- Cable clamps, see page 784
- Support bracket or spacer, see page 732
- Quick-assembly block, see page 733
- Snap-on nut M8, 8800.808, see page 729
- Adaptor rail, see page 721



Possible alternative:

- Rail for EMC shielding bracket and strain relief, see page 759



Interior installation

Rail systems



C rails

for TS, SE

For direct external mounting between the horizontal or vertical TS, SE enclosure sections. Due to the universally designed attachment piece, the C rails may optionally be attached to the inner or outer level of the TS 8 frame.

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

- Assembly parts

For enclosure width/depth mm	Length mm	Packs of	Model No.
400	298	4 pc(s).	7828.040
500	398	4 pc(s).	7828.050
600	498	4 pc(s).	7828.060
800	698	4 pc(s).	7828.080
1000	898	4 pc(s).	7828.100
1200	1098	4 pc(s).	7828.120



Accessories:

- Cable clamps, see page 784
- Angle bracket C section, see page 732



System support rails

For heavy installed equipment such as transformers. T-head screw and slot in the support rail accommodate all mounting dimensions.

Installation options:

- On the vertical TS, SE enclosure section
 - Via snap-on nut 8800.808 (fig. 1)
 - Via adaptor rail for PS compatibility
 - Offset in the height, via TS punched rail 25 x 38 mm (fig. 2)
- On the horizontal TS enclosure section
 - In the width
 - In the depth (without mounting plate)
- In the case of SE, additionally on the horizontal section
 - In the width, bottom/top
 - In the depth, bottom (without mounting plate)
 - In the depth, top (without mounting plate) using snap-on nuts 8800.808 (fig. 1)
- On base configuration rail for CM

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

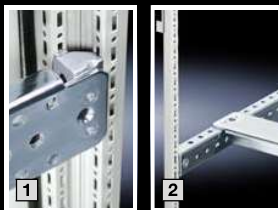
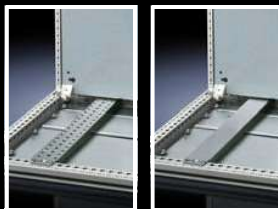
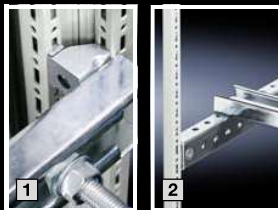
- 2 system support rails (45 x 25 mm)
- 4 T-head screws M12 x 60 mm
- Assembly parts

For enclosure width mm	Packs of	Model No.
600	2 pc(s).	4361.000
800	2 pc(s).	4362.000
1000	2 pc(s).	4347.000
1200	2 pc(s).	4363.000



Accessories:

- Width divider e.g. for the installation of 2 system support rails (for 600 mm width) in 1200 mm wide enclosures, see page 630
- Snap-on nut M8, 8800.808, see page 729
- Adaptor rail, see page 721
- TS punched rail 25 x 38 mm, see page 719



Support rails

for TS, SE, CM

For heavy installed equipment. Particularly suitable for the installation of base isolators.

Installation options:

- On the vertical TS, SE enclosure section
 - Via snap-on nut 8800.808 (fig. 1)
 - Via adaptor rail for PS compatibility
 - Offset in the height, via TS punched rail 25 x 38 mm (fig. 2)
- On the horizontal TS enclosure section
 - In the width
 - In the depth
- In the case of SE, additionally on the horizontal section
 - In the width
 - In the depth, top using snap-on nut 8800.808
- On base configuration rail for CM

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

- Assembly parts

For enclosure width/depth mm	Packs of	Model No.	Model No.
		Slotted	Unslotted
400	4 pc(s).	4394.000	-
500	4 pc(s).	4395.000	-
600	4 pc(s).	4396.000	4396.500
800	4 pc(s).	4398.000	4398.500



Accessories:

- Snap-on nut M8, 8800.808, see page 729
- Adaptor rail, see page 721
- TS punched rail 25 x 38 mm, see page 719

Configuration examples:

See from page 713

Interior installation

Rail systems

Support rail 65 x 42 mm

for TS, SE

Benefits:

- For heavy assemblies up to 5000 N per support rail

Total permissible static load:

- 10000 N per enclosure

Material:

- Steel

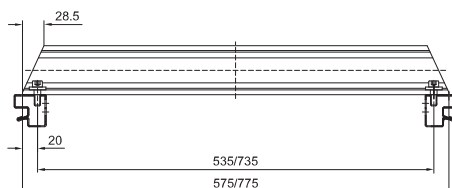
Surface finish:

- Zinc-plated

Supply includes:

- Assembly parts

For enclosure width mm	Packs of	Model No.
600	2 pc(s).	8612.960
800	2 pc(s).	8612.980



Support rails TS 35/15

to EN 60 715 for TS, SE

Mounting on the TS vertical section via

- Snap-on nut M8, 8800.808, see page 729
- Assembly block, see page 721 or
- Adaptor rail, see page 721

For enclosure width/depth mm	Support rails length mm	Packs of	Model No.
500	455	6 pc(s).	4933.000
600	555	6 pc(s).	4934.000
800	755	6 pc(s).	4935.000
1200	1155	6 pc(s).	4937.000



Support rails TS 35/7.5 and TS 35/15

to EN 60 715 for KL, KL-HD, AE

Length sized to the enclosure width

For enclosure width mm	Support rails length mm	Version	Packs of	Model No.
150	137	TS 35/7.5	10 pc(s).	2314.000
200	187		10 pc(s).	2315.000
300	287		10 pc(s).	2316.000
400	387		10 pc(s).	2317.000
500	487	TS 35/15	10 pc(s).	2318.000
600	587		10 pc(s).	2319.000



Support rails

to EN 60 715

Standard length 2 m

Version	Length	Packs of	Model No.
TS 35/15	2 m	6 pc(s).	2313.150
TS 35/7.5	2 m	6 pc(s).	2313.750

Mounting clip

for support rails

For fast, secure attachment of:

- Cable ducts
- Mounting plates
- Mounting angles

on support rail TS 35/7.5 and TS 35/15 to EN 60 715.

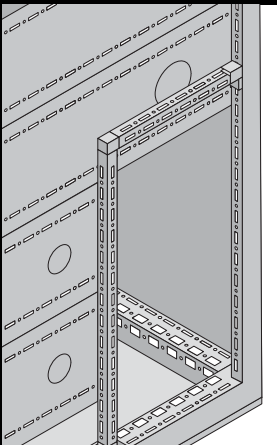
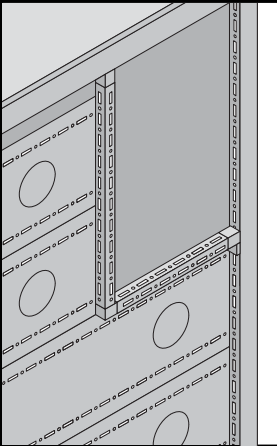
Simply pre-assemble the mounting clip on the part to be installed, then snap into position on the support rail.

Packs of	Model No.
30 pc(s).	2309.000



Interior installation

Rail systems



TS punched rail 17 x 17 mm

for TS

Mounting angle with TS pitch on three sides.

Suitable for

- Building an auxiliary construction for dividing the busbar space
- Individual use as mounting frame for low and medium loads
- Fastening to the internal or external mounting level of the TS 8 enclosure

Material:

- Sheet steel, 1,5 mm

Surface finish:

- Zinc-plated

Note:

- Where necessary, punched rails should be shortened to the applicable mounting dimension

Length	For compartment depth mm	For compartment height, top mm	For compartment height, bottom mm	For enclosure width/depth mm		Packs of	Model No.	Page
				Inner mounting level	Outer mounting level			
62.5	425	-	-	-	-	12 pc(s).	9673.915	
137.5	600	-	-	-	-	12 pc(s).	9673.920	
262.5	425/800	-	-	-	400	12 pc(s).	9673.940	
487.5	-	350 - 500	350 - 400	400/500	500/600	12 pc(s).	9673.953	
787.5	-	550 - 800	450 - 700	600/800	800	12 pc(s).	9673.983	
862.5	-	-	750 - 800	-	-	12 pc(s).	9673.995	

Also required

Frame connector piece	24 pc(s).	9673.901	733
T-connector piece	24 pc(s).	9673.903	734
Corner connector	10 pc(s).	9673.902	734

Interior installation

Rail systems

C rails

for TS, SE

For attaching cables and lines.

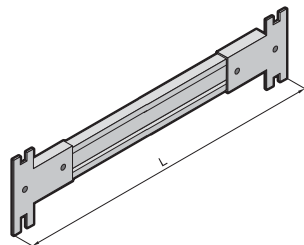
Material:

- Sheet steel

Supply includes:

- 4 C rails
- 8 brackets
- Assembly parts

For enclosure width/depth mm	Length (L) mm	Packs of	Model No.
600	600	4 pc(s).	9660.210
800	800	4 pc(s).	9660.220



Punched section with mounting flange

for coupling section

For assembling a Maxi-PLS or Flat-PLS busbar system directly beneath or above the circuit-breaker. This punched section with mounting flange may be used without conflict in conjunction with the compartment side panel modules. It is attached to the outer level of the TS 8 enclosure system, but the PS punchings support a mounting level as in the roof or base frame, thereby facilitating the use of busbar system attachment for the roof/base section.

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

- Assembly parts

For enclosure width/depth mm	Packs of	Model No.
600	2 pc(s).	9674.056
800	2 pc(s).	9674.058



Mounting plates

Locatable

on the

- Vertical TS, SE enclosure section
- TS punched section w. mounting flange, 17 x 73 mm

Material:

- Sheet steel

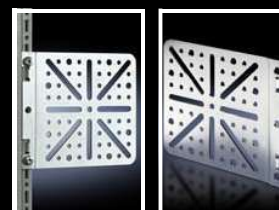
Surface finish:

- Zinc-plated

Supply includes:

- Assembly screws

Packs of	Model No.
4 pc(s).	8612.400



Mounting plates

Screw-fastened, large

On all enclosures and mounting parts with system punchings on a 25 mm pitch pattern.

Material:

- Sheet steel

Surface finish:

- Zinc-plated

Supply includes:

- Assembly screws

Packs of	Model No.
4 pc(s).	8612.410

