

**Rittal – The System.**

Faster – better – everywhere.



VX25.  
**SYSTEM  
PERFECTION.**



VX Hybrid  
**DOUBLE  
DOOR**

ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

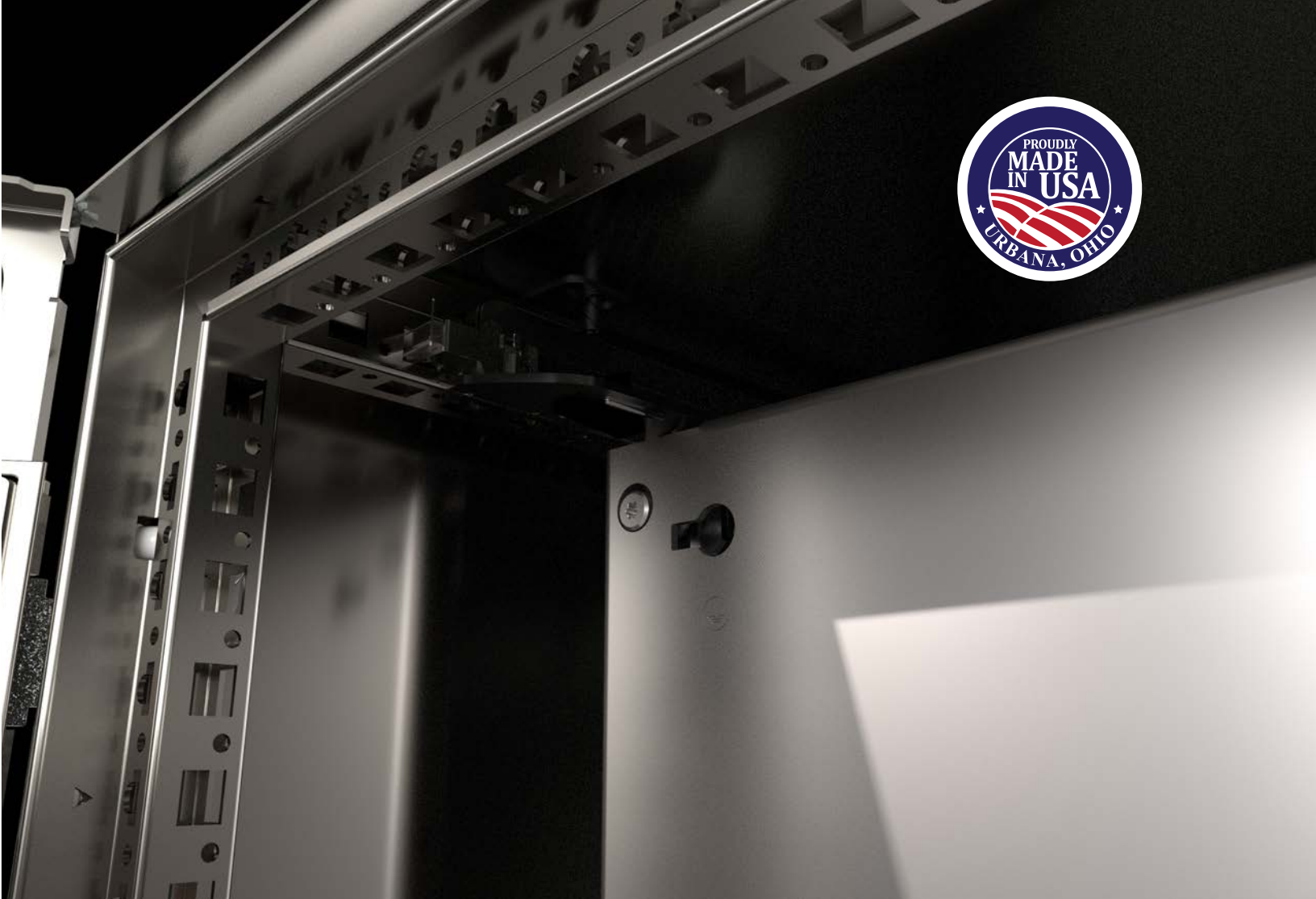


FRIEDHELM LOH GROUP

# VX HYBRID DOUBLE DOOR ENCLOSURE: **STRENGTH MEETS PORTABILITY**

Traditional unibody enclosures can be a headache for panel builders, shop floor managers, and engineers—they're heavy, cumbersome, and require extensive manpower and equipment to move, leading to delays and increased risks.

Rittal solves this with the VX Hybrid Double Door, a robust yet lightweight enclosure solution, perfect for applications where simple, quick deployment, portability, and safety are critical.



## What's in It for You?

- **Quick Deployment:** A single-footprint design requires no on-site assembly for reduced setup time
- **Maximum Strength and Portability:** The frame structure matches the durability of heavier enclosures while maintaining safer handling without forklifts
- **Streamlined Installation:** A removable mullion enables a full-width mounting panel for simplified integration and maintenance
- **Simple Modification:** The lighter design makes placing the enclosure in modification machines easy, while the build produces less tooling wear
- **Adaptable to Your Needs:** The enclosure is fully compatible with VX25 accessories and future disconnect module upgrades to meet changing requirements
- **Trusted US Manufacturing:** Made in our Urbana, OH facility, this enclosure is specifically engineered for US industries



## Built for Performance, Designed for Tough Environments



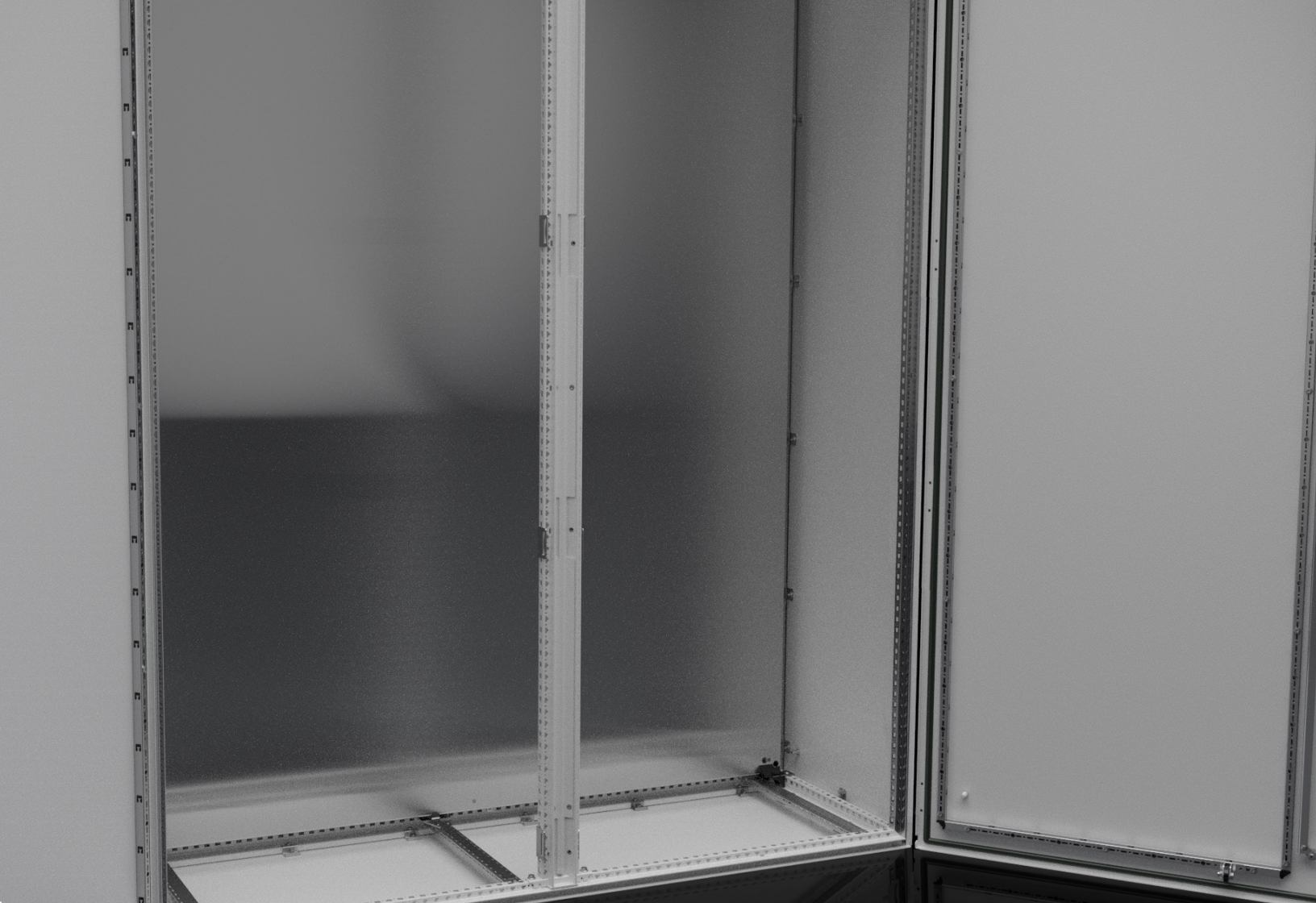
With a frame-mounted panel for added rigidity, VX25 accessory compatibility, and a durable yet lightweight design, the VX Hybrid Double Door is the smart investment for projects that demand mobility, strength, and ease of use.

Perfect for Industries Like:

- Mining & Construction
- Utilities
- Oil & Gas
- Water & Wastewater
- Food & Beverage
- Outside Plant
- Energy & Energy Storage
- Agriculture
- Pulp & Paper



VX25 Hybrid Double Door



## Accelerate Projects with Confidence

Downtime and safety risks can derail even the best planned projects. The VX Hybrid Double Door ensures that operating teams and managers keep installations on schedule while safeguarding both critical electrical components and their people every step of the way.

The VX Hybrid Double Door Helps You:

- Minimize Downtime
- Enhance On the Job Safety
- Protect Sensitive Electronics
- Simplify Maintenance
- Standardize Operations

Empower your teams to move fast, stay safe, and deliver flawless electrical protection every time.



**Time savings**

Precise hole counting offers an easy point of orientation at all levels of the enclosure frame when fixing rails and punched sections in place.



**Health and safety at work**

Rounded edges ensure optimum work safety standards when populating the enclosure.

**Stability**

The seamlessly laser-welded, rolled enclosure profile ensures optimum force transmission on installed equipment.



### Corrosion protection

The three-stage surface treatment process guarantees maximum protection against corrosion and is resistant to mineral oils, lubricants, machining emulsions, and most solvents.

- 1 Nanoceramic treatment
- 2 Electrophoretic dipcoat priming
- 3 Powder coating



### Reliable engineering

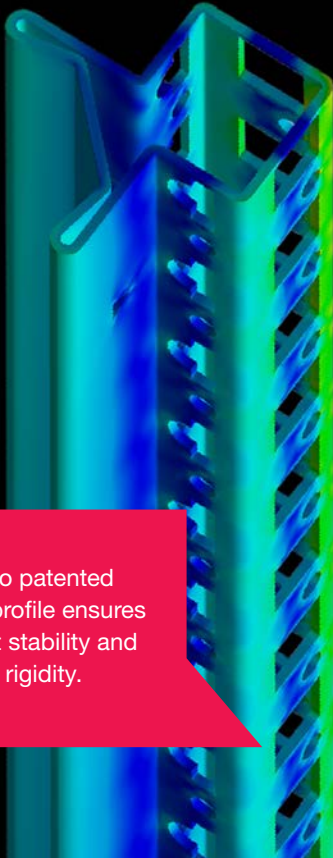
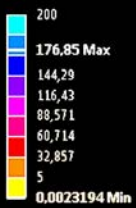
Rittal's customers are supported by a wealth of conversion and planning tools in the automated production process and when working with a virtual prototype.

- Configurators
- Parts list converter
- EPLAN Pro Panel
- 2D/3D CAD data
- ECLASS Advanced
- Technical documentation
- Planning data
- Assembly videos

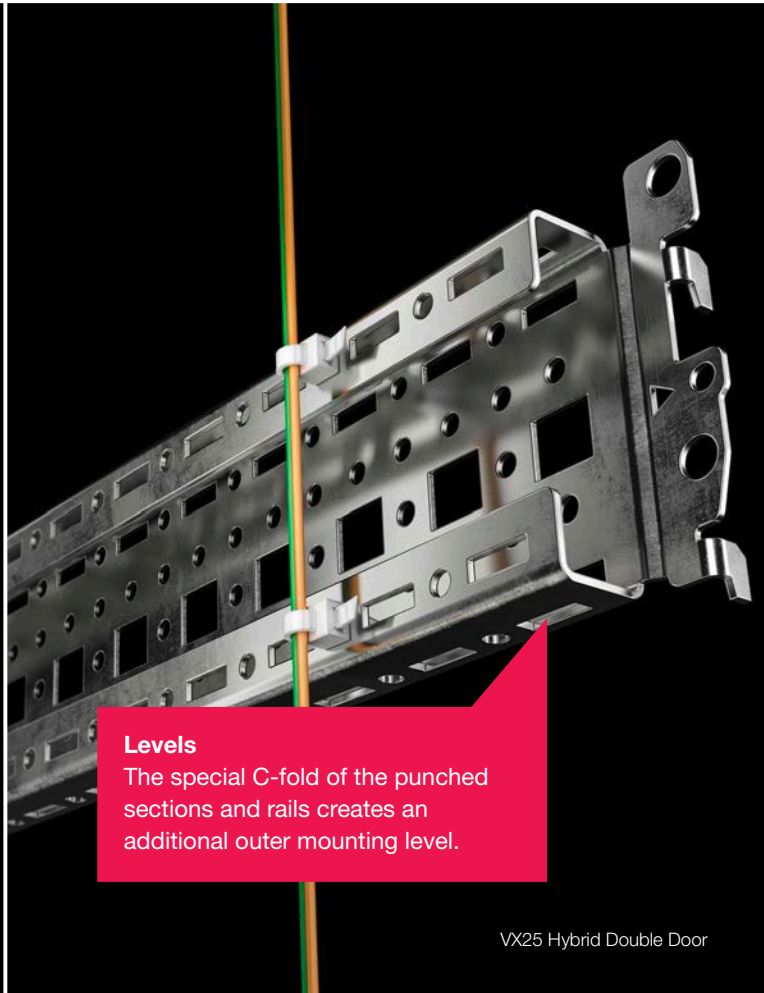


**Accessibility**  
The system offers an outer mounting level in addition to the inner level, making the enclosure readily accessible and configurable from the outside.

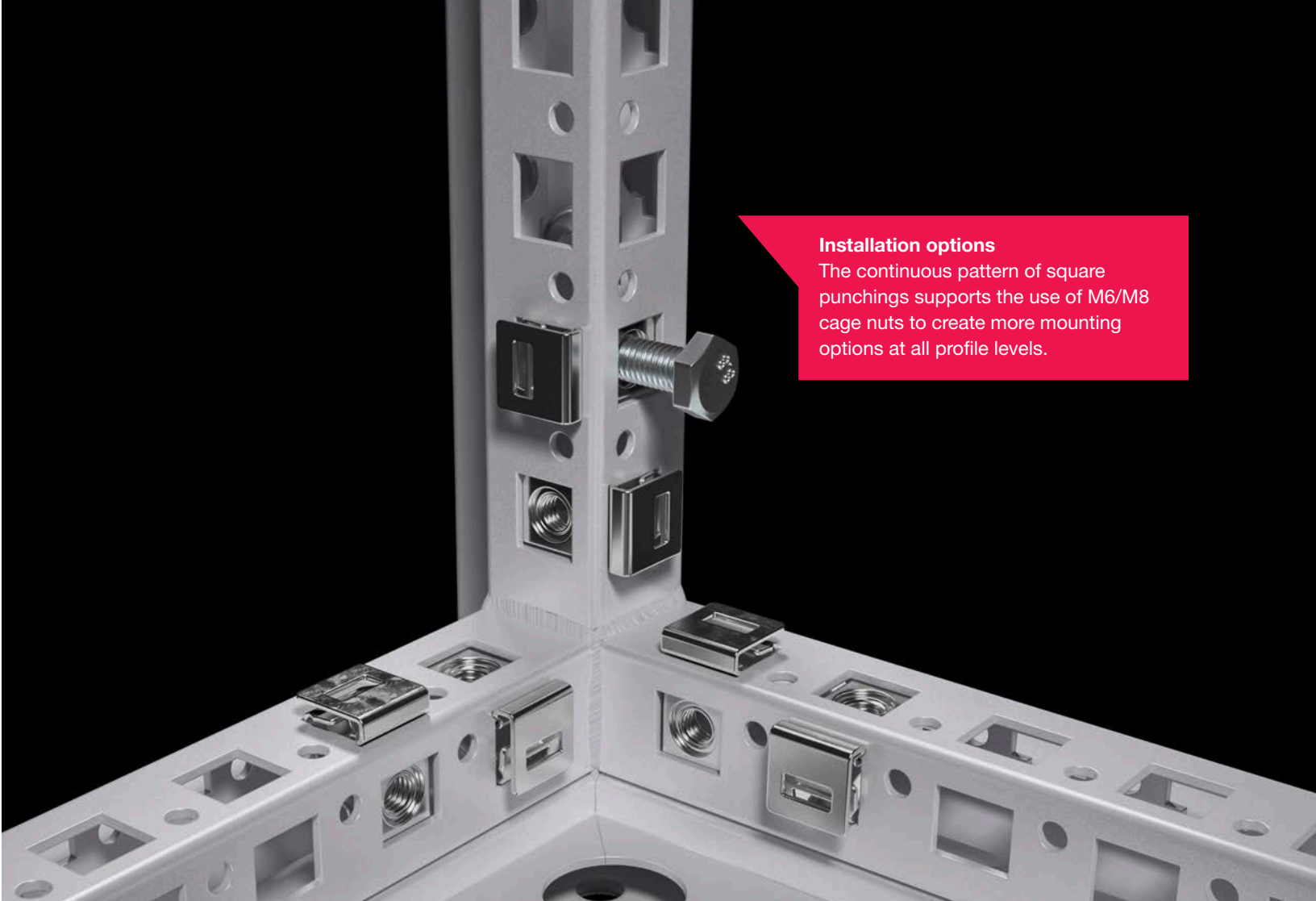
**A: Static Structural**  
Equivalent Stress  
Type: Equivalent (von-Mises) Stress  
Unit: MPa  
Time: 1  
07.03.2018 14:25



**Stability**  
Thanks to patented special profile ensures excellent stability and torsional rigidity.

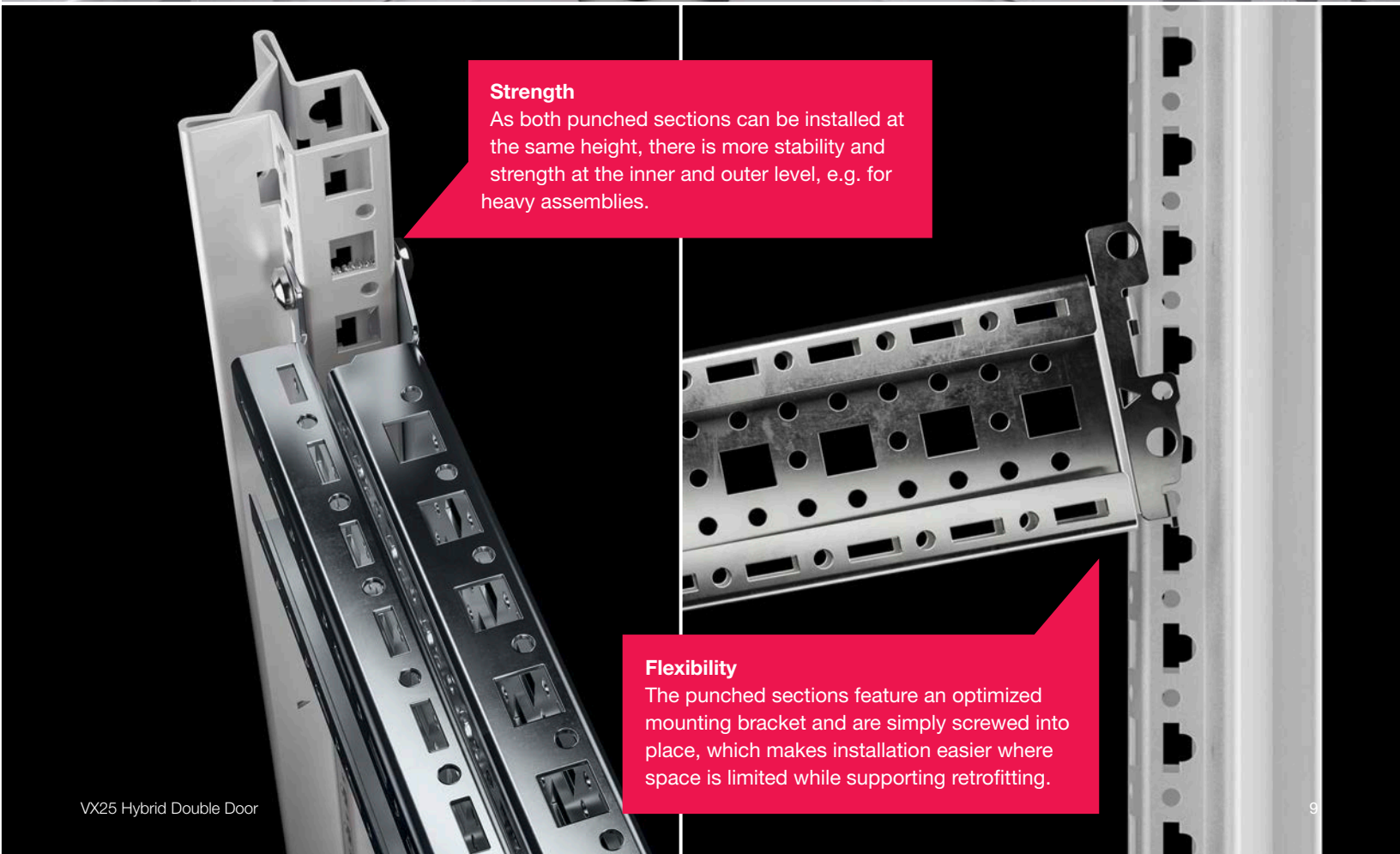


**Levels**  
The special C-fold of the punched sections and rails creates an additional outer mounting level.



#### Installation options

The continuous pattern of square punchings supports the use of M6/M8 cage nuts to create more mounting options at all profile levels.



#### Strength

As both punched sections can be installed at the same height, there is more stability and strength at the inner and outer level, e.g. for heavy assemblies.

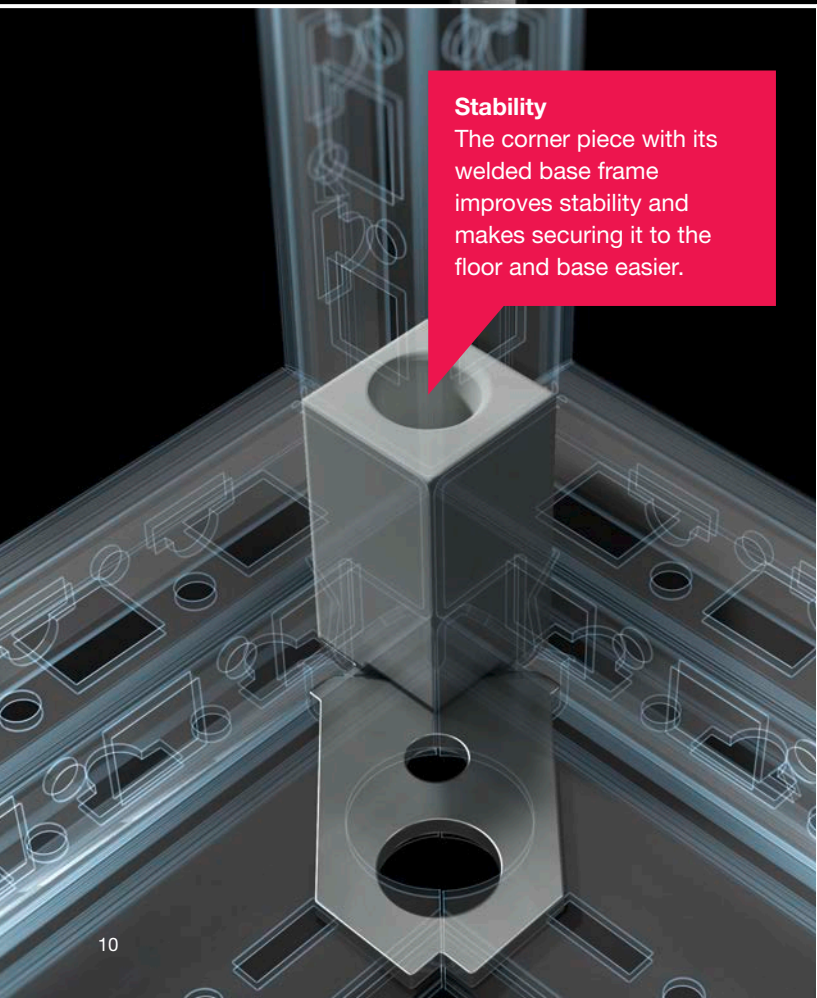
#### Flexibility

The punched sections feature an optimized mounting bracket and are simply screwed into place, which makes installation easier where space is limited while supporting retrofitting.



**Ease of assembly**

The frame profile allows users to install elements working through the profile from the outside, making it much easier to retrofit punched sections in places that can no longer be reached from the inside.



**Stability**

The corner piece with its welded base frame improves stability and makes securing it to the floor and base easier.

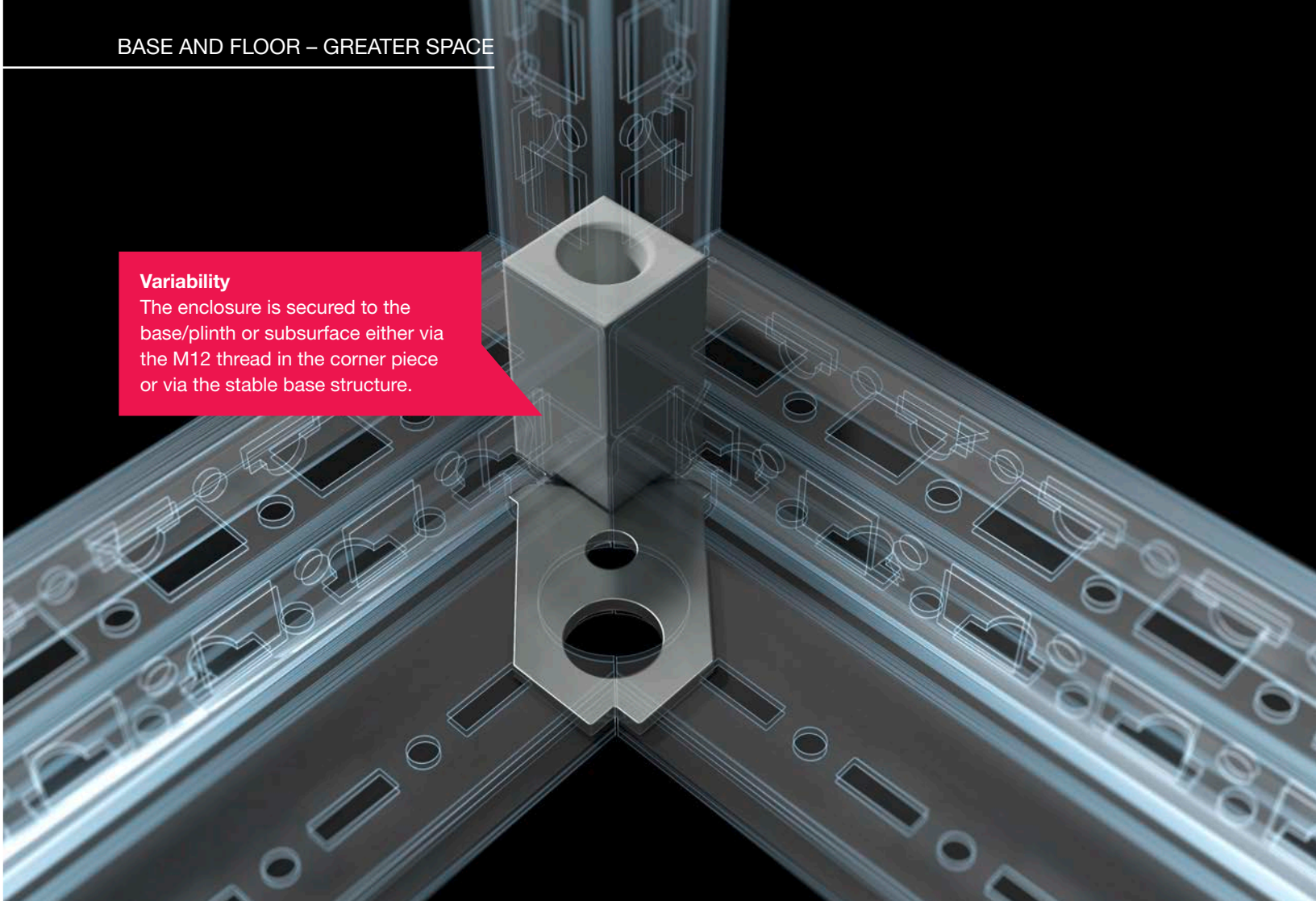


**Precision**

The centring aid for base/plinth mounting on the enclosure frame ensures the enclosure is positioned precisely on the base/plinth while maintaining the IP protection category and frame protection when used without a base/plinth.

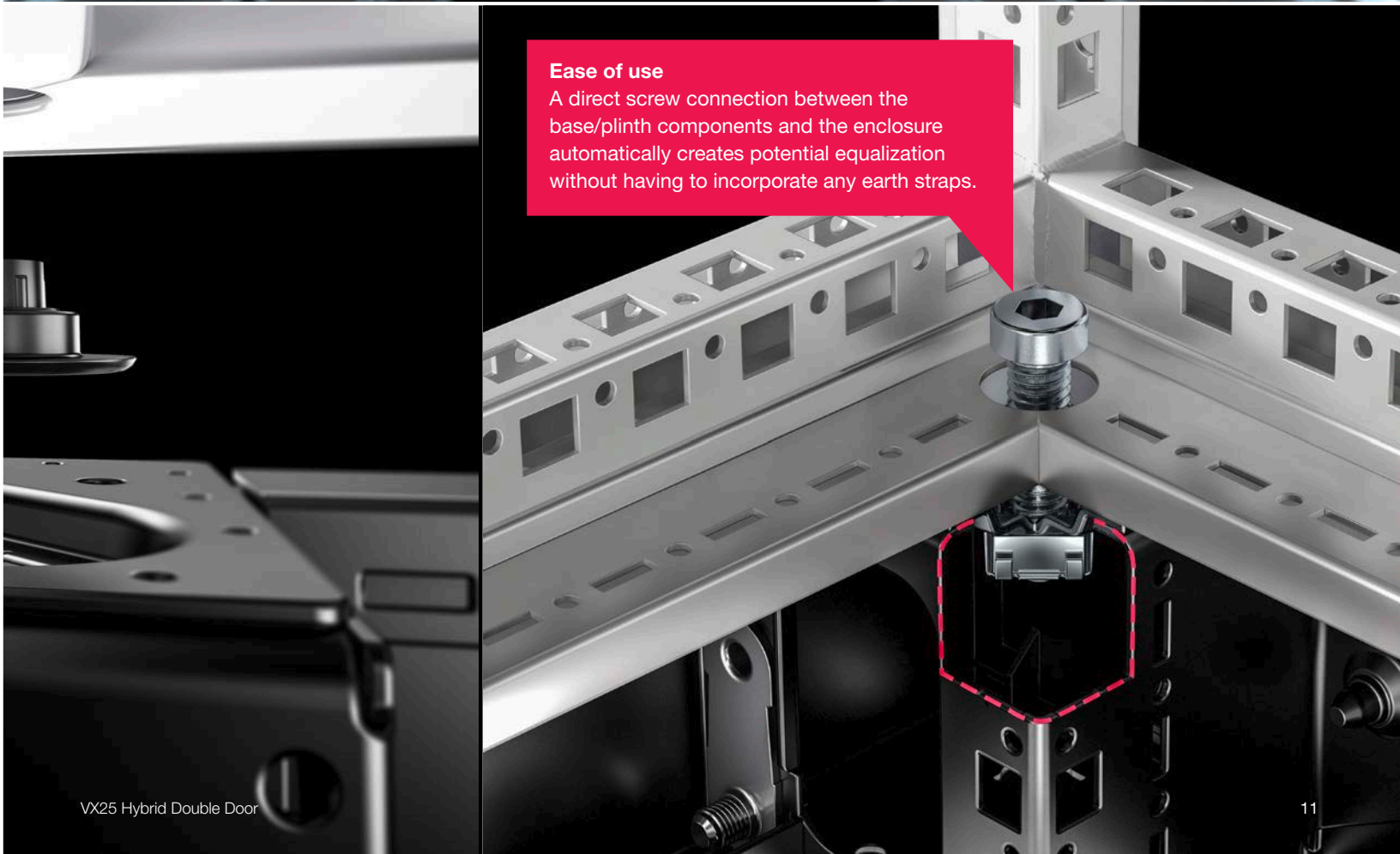
**Variability**

The enclosure is secured to the base/plinth or subsurface either via the M12 thread in the corner piece or via the stable base structure.



**Ease of use**

A direct screw connection between the base/plinth components and the enclosure automatically creates potential equalization without having to incorporate any earth straps.



# MOUNTING PLATE – GREATER **EASE OF ASSEMBLY**

More time gains, installation options and assembly-friendliness thanks to improved installation kits – also suitable for dynamic loads.



**Additional benefits**

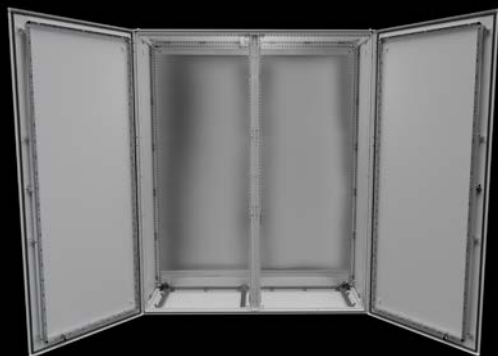
The practical mounting plate slide rail can be removed once the mounting plate has been inserted and used elsewhere in the enclosure as a fully functional punched section.



**Convenient fixing**

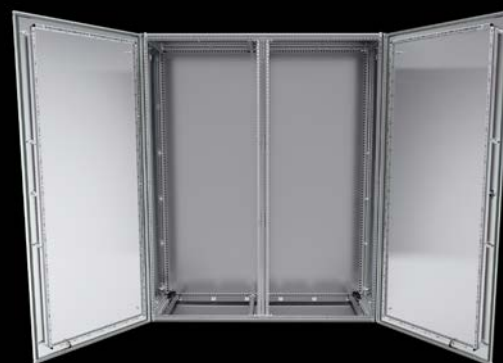
The clip at the top of the mounting plate holds it in place during one-person assembly until the plate can be screwed into position.

# VX Hybrid Double Door - Carbon Steel



<b>VX Hybrid Double Door - Carbon Steel</b>	
<b>Part Numbers</b>	
9840300	63x63x16 in (1600x1600x400 mm) - NEMA 4
9840301	71x63x20 in (1800x1600x500 mm) - NEMA 4
9840302	71x71x24 in (1800x1800x600 mm) - NEMA 4
9840303	79x71x24 in (2000x1800x600 mm) - NEMA 4
9840304	87x71x24 in (2200x1800x600 mm) - NEMA 4
<b>Material</b>	
Enclosure frame	Carbon steel, 0.06" (1.5mm)
Roof	Carbon steel, 0.06" (1.5mm)
Door	Carbon steel, 0.08" (2.0mm)
Side/rear panels	Carbon steel, 0.06" (1.5mm)
Base plate	Carbon steel, 0.08" (2.0mm)
Mounting plate	Carbon steel, 0.12" (3.0 mm)
<b>Surface Finish</b>	
Enclosure frame	Dipcoat-primed with powder-coat finish
Roof, door, side/rear panel, base plate	Dipcoat-primed with powder-coat finish
Mounting plate	Zinc-plated
<b>Supply Includes</b>	
Enclosure frame	
Doors - center latched, can be hinged left or right	
Center mullion - removable	
Roof plate with overlapping sides, back, and drip shield	
Solid base	
Side/rear panels	
Mounting plate	
Heavy-duty padlockable handle	
<b>Protection category to IEC 60 529</b>	
IP 66	
<b>Protection category NEMA</b>	
NEMA 12, 3R, 4	
<b>Type rating to UL 50E</b>	
Type 12, 3R, 4	

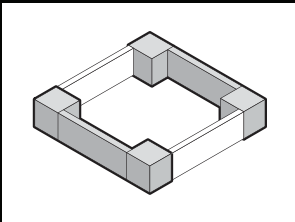
# VX Hybrid Double Door - Stainless Steel



<b>VX Hybrid Double Door - Stainless Steel</b>	
<b>Part Numbers</b>	
9840305	63x63x16 in (1600x1600x400 mm) - NEMA 4X
9840306	71x63x20 in (1800x1600x500 mm) - NEMA 4X
9840307	71x71x24 in (1800x1800x600 mm) - NEMA 4X
9840308	79x71x24 in (2000x1800x600 mm) - NEMA 4X
9840309	87x71x24 in (2200x1800x600 mm) - NEMA 4X
<b>Material</b>	
Enclosure frame	Stainless steel 1.4301 (AISI 304), 0.06 in (1.5 mm)
Roof	Stainless steel 1.4301 (AISI 304), 0.06 in (1.5 mm), exterior brushed
Door	Stainless steel 1.4301 (AISI 304), .08 in (2.0 mm), exterior brushed
Side/rear panels	Stainless steel 1.4301 (AISI 304), 0.06 in (1.5 mm), exterior brushed
Base plate	Stainless steel 1.4301 (AISI 304), 0.08 in (2.0mm)
Mounting plate	Carbon steel, 0.12 in (3.0 mm)
<b>Surface Finish</b>	
Enclosure frame	Uncoated
Roof, doors, side/rear panels, base plate	Exterior brushed, grain size 400
Mounting plate	Zinc-plated
<b>Supply Includes</b>	
Enclosure frame	
Doors - center latched, can be hinged left or right	
Center mullion - removable	
Roof plate with overlapping sides, back, and drip shield	
Solid base	
Side/rear panels	
Mounting plate	
Heavy-duty stainless-steel padlockable handle	
<b>Protection category to IEC 60 529</b>	
IP 66	
<b>Protection category NEMA</b>	
NEMA 12, 3R, 4X	
<b>Type rating to UL 50E</b>	
Type 12, 3R, 4X	

# Base/Plinth

## Base/plinth system VX



### Base/plinth corner pieces with base/plinth trim panels, front and rear

#### Carbon steel

High-load capacity base/plinth corner pieces with moulded self-positioning to the enclosure, may be used with or without trim panels depending on the application. Large openings in the corner piece for optimum access to the screw-fastening point, may be concealed with a plastic corner cover.

#### Material:

- Base/plinth corner piece: Carbon steel
- Base/plinth trim panel front/rear: Carbon steel
- Corner cover: Plastic

#### Color:

- RAL 9005

#### 100 mm high supply includes:

- 4 base/plinth corner pieces, 100 mm high
- 4 corner covers
- 2 base/plinth trim panels, front/rear, 100 mm high
- Assembly parts

#### 200 mm high supply includes:

- 4 base/plinth corner pieces, 200 mm high
- 4 corner covers
- 1 base/plinth trim panel, front/rear, 200 mm high
- 2 base/plinth trim panels, front/rear, 100 mm high
- Assembly parts

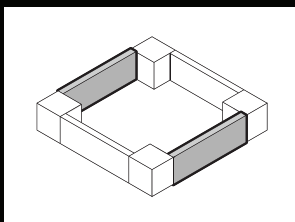
#### 100 mm high

For enclosure width mm	Model No.
1600	8660.008
1800	8660.009

#### 200 mm high

For enclosure width mm	Model No.
1600	8660.026
1800	8660.027

## Base/plinth system VX



### Base/plinth trim panel, sides

#### Carbon steel

To finish off a base/plinth unit at the sides and for additional stability or interior configuration of bayed base/plinths. One 200 mm high or two 100 mm high trim panels may optionally be fitted on 200 mm high base/plinths.

#### Material:

- Carbon steel

#### Color:

- RAL 9005

#### Supply includes:

- 2 base/plinth trim panels
- Assembly parts

#### 100 mm high

For enclosure depth mm	Model No.
400	8660.031
500	8660.032
600	8660.033

#### 200 mm high

For enclosure width mm	Model No.
400	8660.041
500	8660.042
600	8660.043

## Floor Stand Kits

For enclosure floor mounting.

#### Material:

- Carbon Steel

#### Material:

- Stainless Steel 1.4404 (AISI 316)

For enclosure depth mm	Height	Model No.
400	300	9963.522
500	300	9963.523
600	300	9963.524

For enclosure depth mm	Height	Model No.
400	300	9963.528
500	300	9963.529
600	300	9963.530



### Base/plinth corner pieces with base/plinth trim panels, front and rear

#### Stainless steel

High-load capacity base/plinth corner pieces, may be used with or without trim panels depending on the application. Large openings in the corner piece for optimum access to the screw-fastening point, may be concealed with plastic cover caps.

#### Material:

- Base/plinth corner piece: Stainless steel 1.4301 (AISI 304)
- Base/plinth trim panel, front/rear: Stainless steel 1.4301 (AISI 304)
- Cover caps: plastic, ABS

#### Surface finish

- Trim panels: Brushed, grain 400

#### 100 mm high supply includes:

- 4 base/plinth corner pieces, 100 mm high
- 4 cover caps
- 2 base/plinth trim panels, front/rear, 100 mm high
- Assembly parts

#### 200 mm high supply includes:

- 4 base/plinth corner pieces, 200 mm high
- 4 cover caps
- 1 base/plinth trim panel, front/rear, 200 mm high
- 2 base/plinth trim panels, front/rear, 100 mm high
- Assembly parts

#### 100 mm high

For enclosure depth mm	Height	Model No.
1600	100	<b>8660.054</b>
1800	100	<b>8660.056</b>

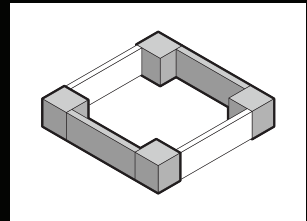
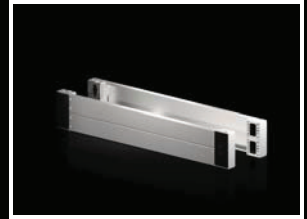
#### 200 mm high

For enclosure depth mm	Height	Model No.
1600	200	<b>8660.064</b>
1800	200	<b>8660.065</b>



#### Also required:

- Base/plinth trim panels, sides, to finish off a base/plinth unit at the end or for additional stabilization between base/plinths



### Base/plinth trim panel, sides

#### Stainless steel

To finish off a base/plinth unit at the sides and for additional stability of bayed base/plinths. One 200 mm high or two 100 mm high trim panels may optionally be fitted on 200 mm high base/plinths.

#### Material:

- Stainless steel 1.4301 (AISI 304)

#### Surface finish:

- Brushed, grain size 400

#### Supply includes:

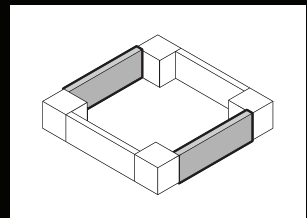
- 2 base/plinth trim panels
- Assembly parts

#### 100 mm high

For enclosure depth mm	Height	Model No.
400	100	<b>8660.070</b>
500	100	<b>8660.071</b>
600	100	<b>8660.072</b>

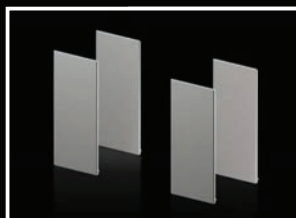
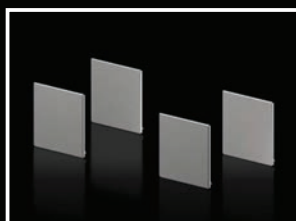
#### 200 mm high

For enclosure depth mm	Height	Model No.
400	200	<b>8660.080</b>
500	200	<b>8660.081</b>
600	200	<b>8660.082</b>



# Base/Plinth

## Base/plinth system VX



### Leveling component

For retrospective levelling on uneven floors at the installation site up to a maximum of 15 mm. Installed through the base/plinth corner piece.

#### 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 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).	<b>8660.120</b>
200	4 pc(s).	<b>8660.121</b>

### Cover caps, stainless steel

#### for base/plinth system VX, stainless steel

To replace the plastic cover caps of the base/plinth corner pieces with base/plinth trim panels, front and rear, included in the supply.

Material	For height mm	Model No.
Stainless steel 1.4301 (AISI 304)	100	<b>8660.500</b>
	200	<b>8660.600</b>

## Door, internal

### Wiring plan pocket with transparent pouch

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

For format	Model No.
A4	<b>2510.000</b>
A3	<b>2512.000</b>

### Wiring plan pocket, plastic

For adhering to surfaces.

#### Material:

- Polystyrene with self-adhesive fastening strips

#### Color:

- Similar to RAL 7035

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

# Interior Installation

## Mounting plates

### Partial mounting plate

To accommodate additional components inside the enclosure. Partial mounting plates are extremely versatile, providing a platform for a diverse range of applications. For optional installation either upright as a vertical mounting surface, or flat as a horizontal base. For attachment either directly to the enclosure section or, with a set-forward construction, for example, to any mounting level in the enclosure using punched sections with mounting flanges. For multi-level installation one behind the other, partial mounting plates may be vertically hinged, via hinge attachment 8617.650, to allow rapid access to the levels behind.

#### Material:

- Carbon steel, 2.5 mm

#### Surface finish:

- Zinc-plated

#### Supply includes:

- Assembly parts

#### Note:

- Depending on the mounting situation, additional parts such as punched sections with mounting flanges may be required, see installation example.



#### Accessories:

- Punched section with mounting flange for the inner and outer level, see page 22
- Hinge attachment 8617.650

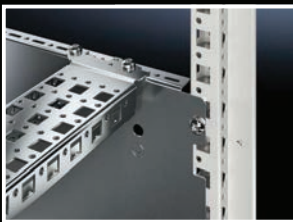


For installation in										Door width mm	Dimensions mm	Packs of	Model No.
Enclosure width mm					Enclosure depth (side) mm								
400	600	800	1000	1200	400	500	600	800					
■	■				■		■		600	500 x 300	1 pc(s).	<b>8617.510</b>	
	■					■	■		600	500 x 400	1 pc(s).	<b>8617.520</b>	
	■						■		600	500 x 500	1 pc(s).	<b>8617.530</b>	
	■	■					■	■	600	500 x 700	1 pc(s).	<b>8617.540</b>	
	■						■		600	500 x 775	1 pc(s).	<b>8617.550</b>	
■		■			■			■	800	700 x 300	1 pc(s).	<b>8617.560</b>	
		■				■		■	800	700 x 400	1 pc(s).	<b>8617.570</b>	
		■						■	800	700 x 700	1 pc(s).	<b>8617.580</b>	
■			■		■				1000	900 x 300	1 pc(s).	<b>8617.590</b>	
			■			■			1000	900 x 400	1 pc(s).	<b>8617.600</b>	
	■		■					■	1000	900 x 500	1 pc(s).	<b>8617.610</b>	
■				■	■				-	1100 x 300	1 pc(s).	<b>8617.620</b>	
				■		■			-	1100 x 400	1 pc(s).	<b>8617.630</b>	
	■			■			■		-	1100 x 500	1 pc(s).	<b>8617.640</b>	



# Interior Installation

## Mounting plates



### Partial assembly plate VX

To accommodate additional components inside the enclosure. Partial assembly plates are extremely versatile, providing a platform for a diverse range of applications. They are attached directly to the enclosure section. For individual interior installation, system punchings are additionally provided in the edge fold.

#### Material:

– Carbon steel, 1.5 mm

#### Surface finish:

– Zinc-plated

#### Supply includes:

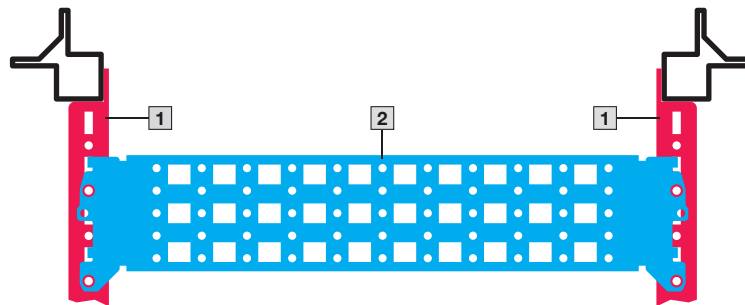
– Assembly parts

Dimensions mm	Packs of	Model No.
500 x 400	1 pc(s).	<b>8617.660</b>
500 x 600	1 pc(s).	<b>8617.661</b>
600 x 400	1 pc(s).	<b>8617.662</b>
600 x 600	1 pc(s).	<b>8617.663</b>
800 x 400	1 pc(s).	<b>8617.664</b>
800 x 600	1 pc(s).	<b>8617.665</b>

Outer mounting level

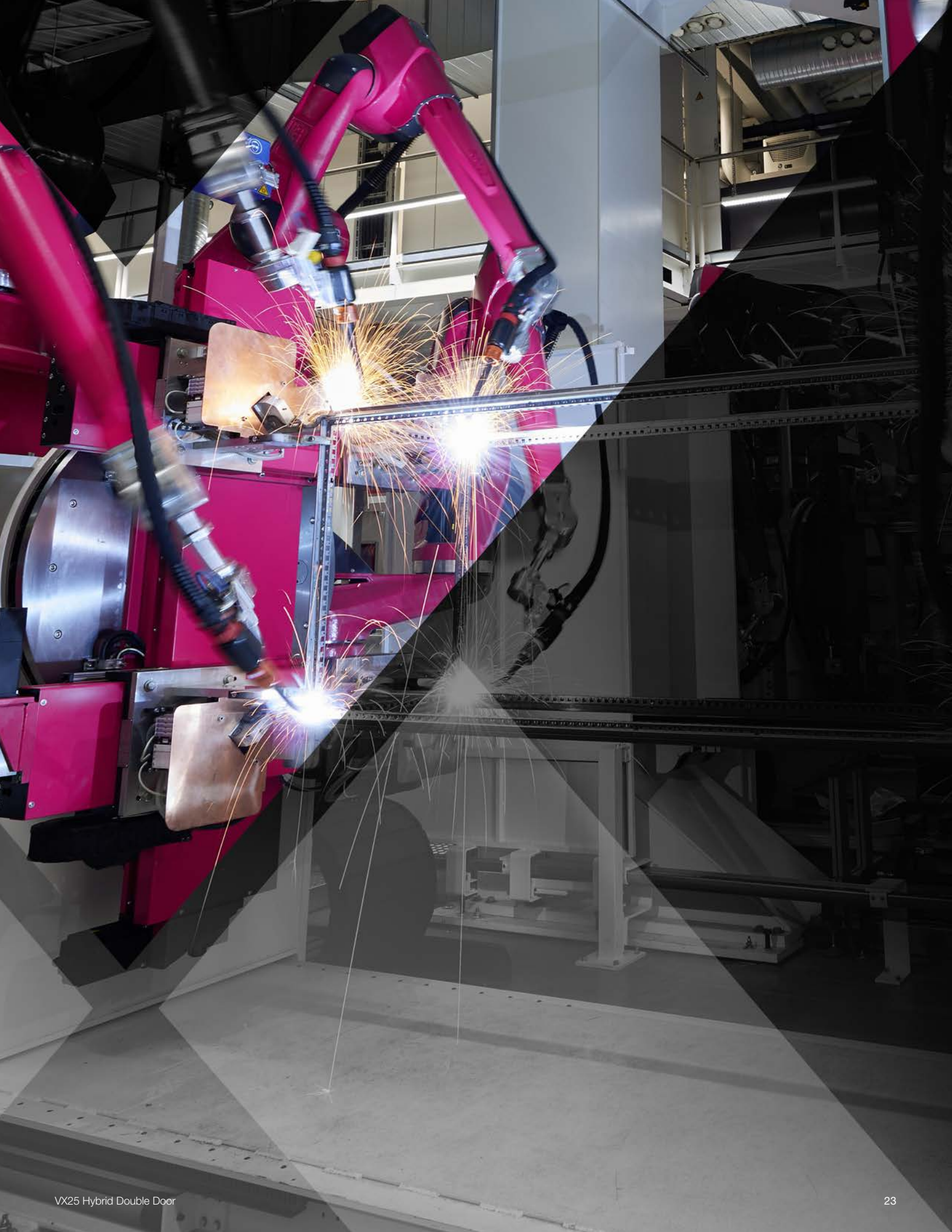


Inner mounting level



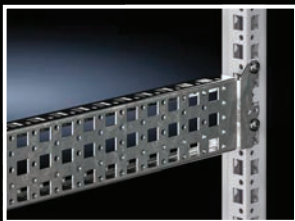
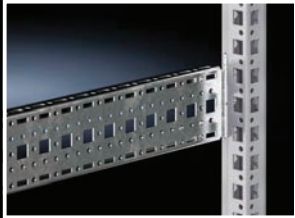
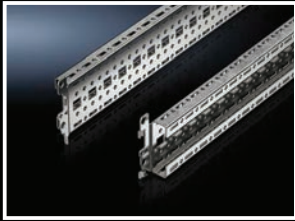
1 Partial assembly plate

2 Punched section with mounting flange, 23 x 64 mm



# Interior Installation

## Rail systems



### Punched section with mounting flange, 18 x 64 mm

For variable, individual interior installation of the enclosure frame on the outer mounting level. Simply locate into the system punchings from the outside and screw-fasten. System punchings on all four sides.

#### Installation options:

- On the outer mounting level, on the enclosure section
- On the outer mounting level, between two punched sections with mounting flanges 23 x 64 mm

#### Material:

- Carbon steel

#### Surface finish:

- Zinc-plated

#### Supply includes:

- Assembly parts

For enclosure width/height/depth mm	Packs of	Model No.
300	4 pc(s).	<b>8617.000</b>
400	4 pc(s).	<b>8617.010</b>
500	4 pc(s).	<b>8617.020</b>
600	4 pc(s).	<b>8617.030</b>
800	4 pc(s).	<b>8617.040</b>
1000	4 pc(s).	<b>8617.050</b>
1200	4 pc(s).	<b>8617.060</b>

### Punched section with mounting flange, 23 x 64 mm

For variable, individual interior installation of the enclosure frame on the inner mounting level. Simply locate into punchings and screw-fasten. System punchings on all four sides. With slots at the top and bottom for cage nuts, for attaching your own components via metric screws.

#### Installation options:

- On the inner mounting level, on the enclosure section
- On identical punched sections with mounting flanges
- Base/plinth system VX in the width and depth, combined with a base/plinth installation bracket

#### Material:

- Carbon steel

#### Surface finish:

- Zinc-plated

#### Supply includes:

- Assembly parts

For enclosure width/height/depth mm	Packs of	Model No.
300	4 pc(s).	<b>8617.100</b>
400	4 pc(s).	<b>8617.110</b>
500	4 pc(s).	<b>8617.120</b>
600	4 pc(s).	<b>8617.130</b>
800	4 pc(s).	<b>8617.140</b>
1000	4 pc(s).	<b>8617.150</b>
1200	4 pc(s).	<b>8617.160</b>
1400	4 pc(s).	<b>8617.170</b>
1600	4 pc(s).	<b>8617.180</b>
1800	4 pc(s).	<b>8617.190</b>
2000	4 pc(s).	<b>8617.200</b>
2200	4 pc(s).	<b>8617.210</b>

### Punched section without mounting flange, 23 x 64 mm

For variable, individual interior installation of the enclosure frame on the inner mounting level. When mounted, the punched sections and rails sit flush to the enclosure frame. Thanks to the additional mounting bracket, they can be used with a pre-installed mounting plate and can also be cut to any required length. System punchings on all four sides. With slots at the top and bottom for cage nuts, for attaching your own components via metric screws.

#### Installation options:

- On the inner mounting level, on the enclosure section
- Upright or flat between two punched sections
- Between two punched sections on the inner mounting level

#### Material:

- Carbon steel

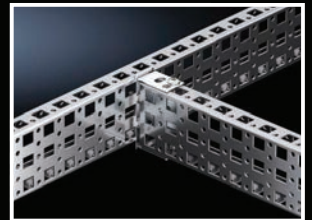
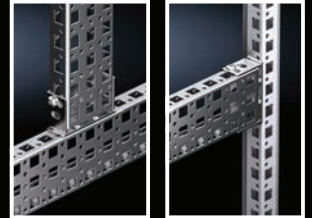
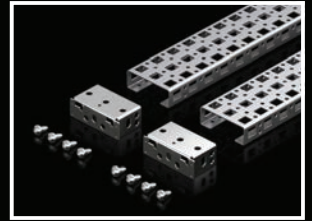
#### Surface finish:

- Zinc-plated

#### Supply includes:

- 1 pack =  
2 punched sections without mounting flanges  
23 x 64 mm  
4 mounting brackets

For enclosure width/height/depth mm	Packs of	Model No.
400	2 pc(s).	<b>8100.740</b>
500	2 pc(s).	<b>8100.741</b>
600	2 pc(s).	<b>8100.742</b>
800	2 pc(s).	<b>8100.743</b>
1200	2 pc(s).	<b>8100.745</b>



### Punched section with mounting flange, 23 x 89 mm

For variable, individual interior installation of the enclosure frame on the inner mounting level. Simply locate into punchings and screw-fasten. System punchings on all four sides. With slots at the top and bottom for cage nuts, for attaching your own components via metric screws. Especially for cable routing in the base/plinth system VX, stainless steel and for the installation of busbar supports (non-magnetic stainless steel).

#### Installation options:

- On the inner mounting level, on the enclosure section
- On identical punched sections with mounting flanges
- In the base/plinth system VX, stainless steel, in the width and depth, combined with a base/plinth installation bracket

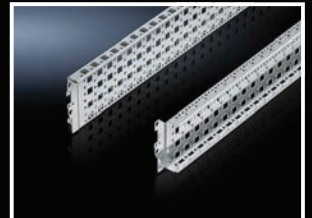
#### Material:

- Stainless steel

#### Supply includes:

- Assembly parts

For enclosure width/depth mm	Packs of	Model No.
400	2 pc(s).	<b>8100.730</b>
500	2 pc(s).	<b>8100.731</b>
600	2 pc(s).	<b>8100.732</b>
800	2 pc(s).	<b>8100.733</b>



# Interior Installation

## Rail systems



### Punched rail 18 x 39 mm

For variable, individual interior installation of the enclosure frame on the inner mounting level, may also be used in conjunction with other punched sections. Prepared at the rear to accommodate cable clamps for optimum cable routing inside the enclosure.

**Installation options:**

- On the inner mounting level, on the enclosure section

**Material:**

- Carbon steel

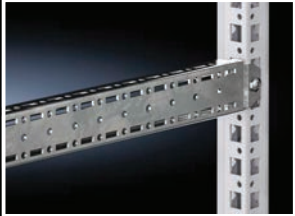
**Surface finish:**

- Zinc-plated

**Supply includes:**

- Assembly parts

For enclosure width/depth mm	Packs of	Model No.
400	4 pc(s).	<b>8617.700</b>
500	4 pc(s).	<b>8617.710</b>
600	4 pc(s).	<b>8617.720</b>
800	4 pc(s).	<b>8617.730</b>



### Support strip

For simple cable routing from the mounting plate to the door.

**Installation options:**

- On the inner and outer mounting level, on the enclosure section

**Material:**

- Carbon steel

**Surface finish:**

- Zinc-plated

**Supply includes:**

- Assembly parts

For enclosure width/depth mm	Length mm	Packs of	Model No.
400	340	20 pc(s).	<b>4694.000</b>
500	440	20 pc(s).	<b>4695.000</b>
600	540	20 pc(s).	<b>4696.000</b>



# Interior Installation

## Rail systems

### C rail 30/15 to EN 60 715

**Installation options:**

- On the inner mounting level, on the enclosure section
- VX base/plinth system

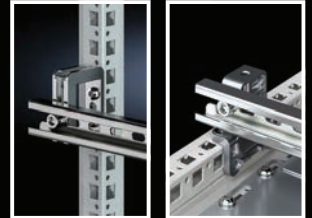
**Material:**

- Carbon steel

**Surface finish:**

- Zinc-plated

For enclosure width/depth mm	Length mm	Packs of	Model No.
500	455	6 pc(s).	<b>4943.000</b>
600	555	6 pc(s).	<b>4944.000</b>
800	755	6 pc(s).	<b>4945.000</b>
1000	955	6 pc(s).	<b>4946.000</b>
1200	1155	6 pc(s).	<b>4947.000</b>



### Support rail 75 x 20 mm

For heavy installed equipment such as base isolators or transformers.

**Installation options:**

- On the inner mounting level, on the enclosure section

**Material:**

- Carbon steel

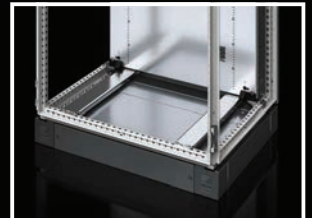
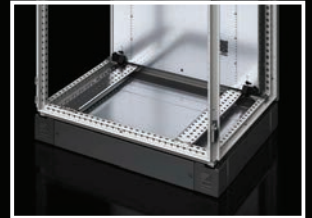
**Surface finish:**

- Zinc-plated

**Supply includes:**

- Assembly parts

For enclosure width/depth mm	Packs of	Model No.	Model No.
		Slotted	unslotted
400	4 pc(s).	<b>4394.000</b>	-
500	4 pc(s).	<b>4395.000</b>	-
600	4 pc(s).	<b>4396.000</b>	<b>4396.500</b>



# Interior Installation

## Assembly components



### Multi-tooth screw

M6 x 12 to fit:

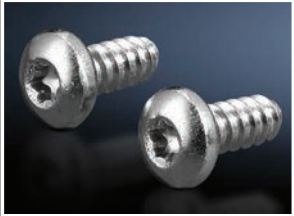
- Cage nuts 4164.500
- U nuts 4179.000
- Threaded blocks 4162.000

M8 x 12 to fit:

- Cage nuts 4165.500
- U nuts 4180.000
- Threaded blocks 4163.000

### Metal multi-tooth screw

For the round holes  $\varnothing$  4.5 mm or 4.7 mm in the enclosure section, punched rails, and punched sections without mounting flanges.



### Self-tapping screw

For the round holes  $\varnothing$  4.5 mm or 4.7 mm in the enclosure section, punched rails, and punched sections without mounting flanges.



### Self-tapping screw

Mark, drill, and tighten in a single operation using electric or pneumatic tools.

For metal thickness: 0.8 – 3 mm  
Length: 16 mm  
Usable length: 9.5 mm  
Width across flats: 8 mm



Multi-tooth drive for optimum transmission of torques, an extended tool life, and increased safety and reliability when tightening and loosening screw connections.

Type of screw	Dimensions mm	Packs of	Model No.
Multi-tooth screws	M6 x 12	300 pc(s).	<b>2504.500</b>
	M8 x 12	300 pc(s).	<b>2504.800</b>
Metal multi-tooth screws	5.5 x 13	300 pc(s).	<b>2486.600</b>
Metal multi-tooth screws for stainless steel	5 x 13	300 pc(s).	<b>2486.400</b>
Self-tapping screws (hex screws)	M5 x 10	500 pc(s).	<b>2504.000</b>
Self-tapping screws	ST 4.8 x 16	300 pc(s).	<b>2487.000</b>

# Interior Installation

## Assembly components

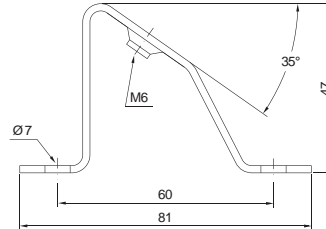
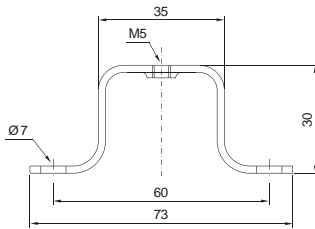
### Rail mounting bracket

For individual mounting of rails at a distance from the mounting surface.

**Material:**

- Carbon steel, zinc-plated

Rail mounting bracket	Packs of	Model No.
Flat	20 pc(s).	<b>2365.000</b>
Inclined	20 pc(s).	<b>2366.000</b>



### Cage nut

For all-round metric mounting on the enclosure section.

**Benefits:**

- For all-round mounting on the enclosure section
- The compression spring, designed as an insertion aid, ensures reliable mechanical and electrical connection in the system punchings.
- Simply slides in from the side
- Safely and easily released with a screwdriver

**Installation options:**

- On the vertical and horizontal enclosure section
- On punched sections with mounting flanges, 23 x 64 mm
- On punched sections with mounting flanges, 23 x 89 mm, stainless steel

Thread	Packs of	Model No.
M6	20 pc(s).	<b>4164.500</b>
M8	20 pc(s).	<b>4165.500</b>



### Threaded block

For all-round metric mounting on the enclosure section. With snap-off insertion aid, made from die-cast zinc.

**Installation options:**

- On the vertical and horizontal enclosure section
- On punched sections with mounting flanges, 23 x 64 mm
- On punched sections with mounting flanges, 23 x 89 mm, stainless steel

Thread	Packs of	Model No.
M6	50 pc(s).	<b>4162.000</b>
M8	50 pc(s).	<b>4163.000</b>



# LED System Light



## Baying enclosure system VX25

## Connection accessories

### Benefits:

- Optimum illumination of the entire enclosure
- Optionally with clip, screw, or magnetic attachment
- Equipment to suit every application

### Material:

- Plastic
- Aluminium

### Color:

- Enclosure: RAL 7016

### Light color:

- 4000 K (neutral white)

### Supply includes:

- Assembly screws

### Protection class:

- II (all-insulated)

### Note:

- Connection accessories should be ordered separately
- Further information on country-specific versions can be found on the Internet
- Other system lights, e.g. with a lower luminosity and for compact enclosures, can be found on the Internet

Model No.		2500.310	2500.300	2500.210	2500.200	2500.220
Output (lumens)		1200	1200	900	900	900
Length (mm)		437	437	437	437	437
Motion sensor		■	■	–	–	–
Rated operating voltage	100 – 240 V AC	■	■	■	■	–
	24 V DC	–	–	–	–	■
Equipment	Socket D, earthing-pin	■	–	■	–	–
	90° rotating connector	■	■	■	■	■
	Adjustable light direction	■	■	–	–	–
	Adjustable light distribution	■	■	■	■	■
Approvals	UL	–	■	–	■	■
	CSA	–	■	–	■	■
	cUL	–	■	–	■	■
	CCC	–	■	–	■	–
	ENEC	■	■	■	■	■
Installation type	Screw-fastening	■	■	■	■	■
	Clip attachment	■	■	■	■	■
	Magnetic attachment to surfaces (accessory)	–	■	–	■	■
Connection options	Infeed	3-pole	3-pole	3-pole	3-pole	2-pole
	Through-wiring	3-pole	3-pole	3-pole	3-pole	2-pole
	Door-operated switch (accessory)	–	–	–	–	–
<b>Accessories</b>						
Mounting kit magnet		–	2500.490	–	2500.490	2500.490
Door-operated switch		–	–	2500.460	2500.460	2500.460
Door-operated switch, UL		–	–	–	2500.470	2500.470
<b>Also required:</b> Connection accessories depending on application type						
Infeed, 2-pole, UL		–	–	–	–	2500.410
Infeed, 3-pole		2500.400	2500.400	2500.400	2500.400	–
Infeed, 3-pole, UL		–	2500.500	–	2500.500	–
Through-wiring, 2-pole, UL		–	–	–	–	2500.440
Through-wiring, 3-pole		2500.430	2500.430	2500.430	2500.430	–
Through-wiring, 3-pole, UL		–	2500.530	–	2500.530	–

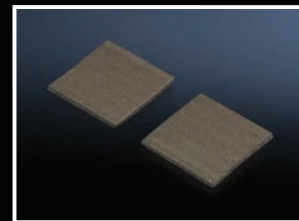
# Interior Installation

## LED system light

### Mounting kit magnet for LED system light

For sticking onto the rear of lights without a socket.

Packs of	Model No.
2 pc(s).	2500.490



### Socket box

#### for LED system light

In combination with the LED system light, the socket box creates a flexible modular system for international use.

#### Benefits:

- Same connection accessories as for LED system light
- Cascadable with LED system light
- Supports flexible installation throughout the entire enclosure and on the tubular door frame
- No additional wiring required, thanks to simple connection technology and integration of the LED system light into the circuit

#### Material:

- Plastic

#### Color:

- RAL 7016

#### Supply includes:

- Assembly parts

#### Configuration examples:

Socket	UL	Packs of	Model No.
	-	1 pc(s).	2500.710
	-	1 pc(s).	2500.711
	-	1 pc(s).	2500.712
	-	1 pc(s).	2500.713
	■	1 pc(s).	2500.714
	-	1 pc(s).	2500.715



#### Also required:

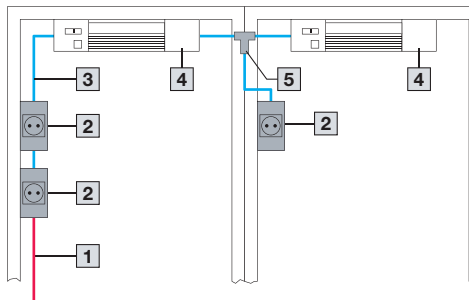
- Depending on the application, through-wiring or a 3-pole infeed may be required, see page 30



#### Accessories:

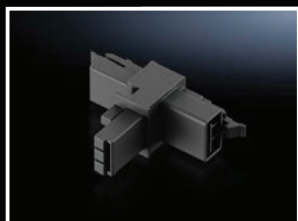
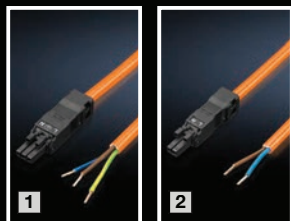
- T distributor, see page 30
- Through-wiring, 3-pole, see page 30
- Infeed, 3-pole, see page 30

- 1 Infeed
- 2 Socket box
- 3 Through-wiring
- 4 LED system light
- 5 T distributor



# Interior Installation

## LED system light



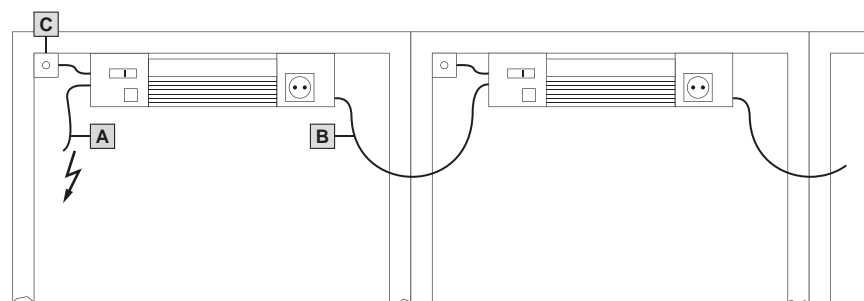
### Connection accessories

#### for LED system light

The following components can be used for time-saving, easy installation of the lights:

	Connection cable for	ENEC	UL	Length mm	Packs of	Model No.	
						orange	black
1	Infeed, 3-pole, 100 – 240 V AC	■	■	3000	1 pc(s).	2500.500	–
	Infeed, 3-pole, 100 – 240 V AC	■	–	3000	5 pc(s).	2500.400	–
2	Infeed, 2-pole, 100 – 240 V AC	■	–	3000	5 pc(s).	2500.420	–
	Infeed, 2-pole, 24 V DC	■	■	3000	5 pc(s).	–	2500.410
4	Through-wiring, 3-pole, 100 – 240 V AC	■	–	200	1 pc(s).	2500.435	–
	Through-wiring, 3-pole, 100 – 240 V AC	■	■	1000	1 pc(s).	2500.530	–
	Through-wiring, 3-pole, 100 – 240 V AC	■	–	1000	5 pc(s).	2500.430	–
5	Through-wiring, 2-pole, 100 – 240 V AC	■	–	1000	5 pc(s).	2500.450	–
	Through-wiring, 2-pole, 24 V DC	■	■	1000	5 pc(s).	–	2500.440

- A** Connection cable for infeed
- B** Connection cable for through-wiring
- C** Door-operated switch with connection cable (not required for LED system light with integral motion sensor)



### T distributor

#### with two sockets and one connector

For creating safe, shock-hazard-protected junctions when wiring LED system lights and socket boxes.

Packs of	Model No.
5 pc(s).	2500.680

### Door-operated switch

#### for LED system light

##### Supply includes:

- Assembly parts

##### Protection category:

- IP 40

	ENEC	UL	Length mm	To fit	Packs of	Model No.
						black
Connection cable	■	–	800	230 V AC/24 V DC, 1 A	1 pc(s).	2500.460
	–	■	800			2500.470

## Cable clamp

### for C rail

For attaching cables to the C rail.

#### Material:

- Carbon steel

#### Surface finish:

- Zinc-plated

#### Supply includes:

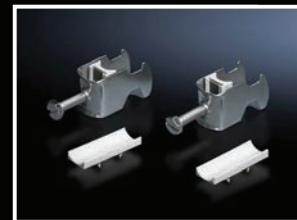
- Plastic insert

For cable diameter mm	Packs of	Model No.
6 – 14	25 pc(s).	<b>7077.000</b>
12 – 18	25 pc(s).	<b>7078.000</b>
18 – 22	25 pc(s).	<b>7097.000</b>
22 – 26	25 pc(s).	<b>7097.220</b>
26 – 30	25 pc(s).	<b>7097.260</b>
30 – 34	25 pc(s).	<b>7097.300</b>
34 – 38	25 pc(s).	<b>7097.340</b>
38 – 42	25 pc(s).	<b>7098.000</b>
42 – 56	25 pc(s).	<b>7098.100</b>
56 – 64	25 pc(s).	<b>7099.000</b>



#### Accessories:

- C rail, see from page 27



## Cable conduit and cable conduit holder

For secure cable routing e.g. from the enclosure or mounting plate to the door. An attachment facility for standard commercially available cable ties is provided on the cable conduit holder, so that cables may be attached upon entry to/exit from the cable conduit.

#### Material:

- Cable conduit: Polyethylene
- Cable conduit holder: Polyamide

#### Cable conduit

Internal Ø mm	Packs of	Model No.
16	25 m	<b>2595.000</b>
29	25 m	<b>2589.000</b>
36	25 m	<b>2596.000</b>
48	25 m	<b>2590.000</b>

#### Cable conduit holder

For cable conduit Ø mm	Packs of	Model No.
16	20 pc(s).	<b>2593.000</b>
29	20 pc(s).	<b>2591.000</b>
36	20 pc(s).	<b>2594.000</b>
48	20 pc(s).	<b>2592.000</b>

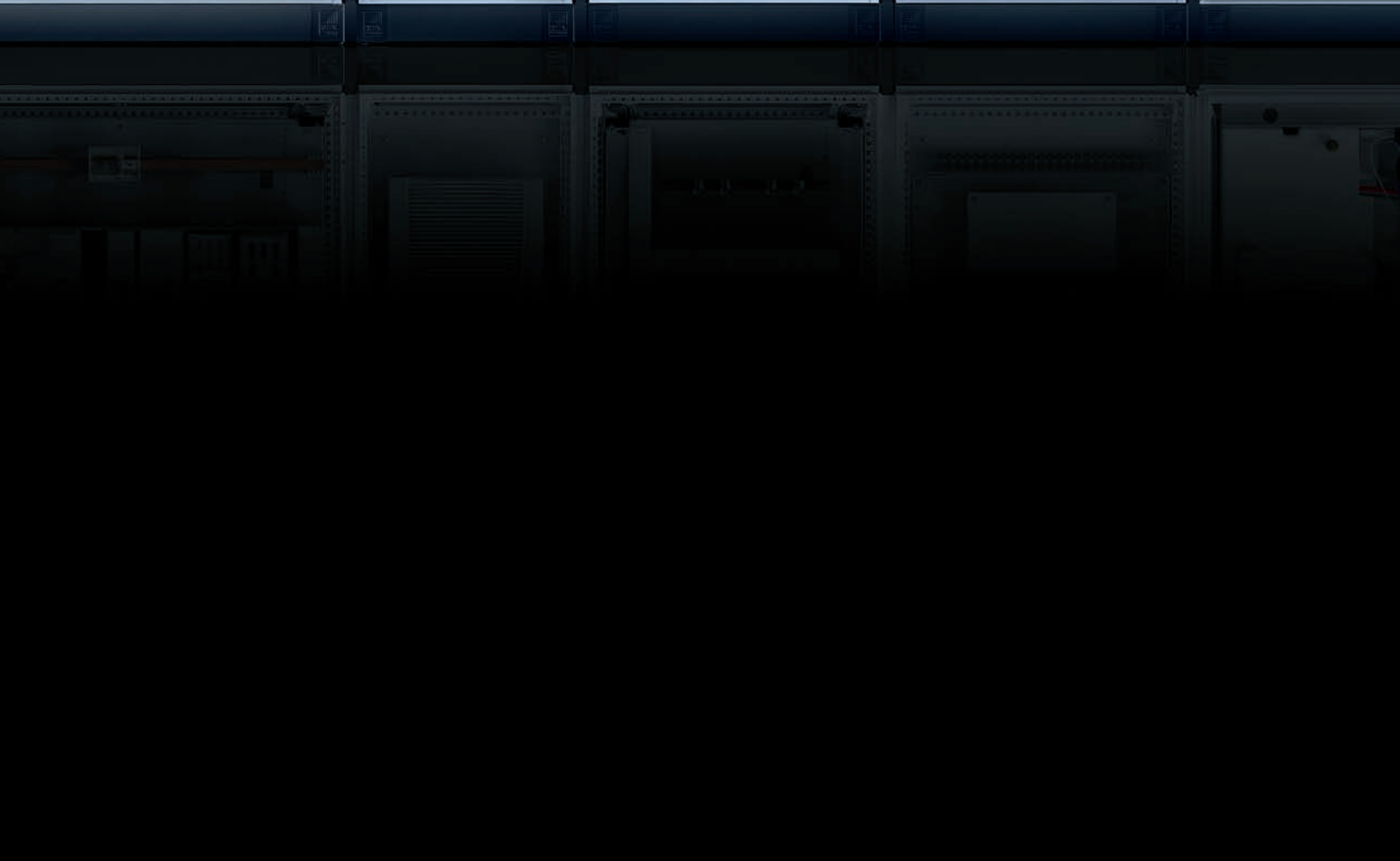


## Cable tie

The super-fast solution for fastening cables to the enclosure profile or mounting system parts. Simply clip into the round system punchings.

Length mm	Packs of	Model No.
150	100 pc(s).	<b>2597.000</b>







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