

**Rittal – The System.**

Faster – better – everywhere.



VX25.  
**SYSTEM  
PERFECTION.**

ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES



FRIEDHELM LOH GROUP

# Rittal – The System.

Faster – better – everywhere.



**ENCLOSURES**

**POWER DISTRIBUTION**

**CLIMATE CONTROL**

FRIEDHELM LOH GROUP

# VX25. SYSTEM PERFECTION.



## CONTENTS

System benefits .....	from page 20
Frames/punched sections .....	from page 26
Doors/walls .....	from page 32
Base/plinths .....	from page 38
Baying .....	from page 42
Mounting plate .....	from page 46
Ordering information	
– Baying enclosure system VX25 .....	from page 52
– System accessories .....	from page 84
Technical details .....	from page 218



IT INFRASTRUCTURE

SOFTWARE & SERVICES





ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

VX25.  
SYSTEM  
PERFECTION.



# THE ONE-STOP SUPPLIERS

**One partner for everything** – Rittal serves the entire value creation chain for enclosure manufacturing. This unrivalled pervasiveness helps to boost efficiency and maintain consistently high standards.

**The entire value chain from a single source** – Comprehensive digitisation and automation steps are also required in panel building and switchgear manufacturing in order to meet the requirements of smart factories and Industry 4.0. Rittal facilitates the seamless integration of engineering, systems and automation with a perfect blend of planning aids, system products and machining solutions. Experience the optimum value chain live at the Rittal Innovation Center in Haiger.

IT INFRASTRUCTURE

SOFTWARE & SERVICES





### Engineering

With Rittal and Eplan engineering tools, you can be sure that the data you need is always available at the right time, in the right place, and in the required quality and depth. This enables you to create a virtual prototype.

**Benefit: Unrivalled efficiency.**

ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

VX25.  
SYSTEM  
PERFECTION.



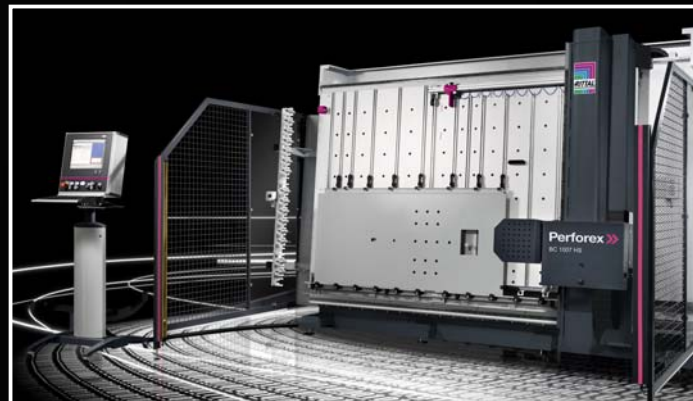
# THE WORKFLOW PARTNERS



## System

Rittal's comprehensive modular system accommodates every requirement, however individual, and includes enclosure, power distribution, climate control and IT infrastructure systems.

**Benefit: Maximum flexibility.**



## Automation

Boosting efficiency through automation – Rittal Automation Systems supplies all the machines and equipment for this.

**Benefit: Exceptional competitiveness.**

IT INFRASTRUCTURE

SOFTWARE & SERVICES





ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL



VX25.  
SYSTEM  
PERFECTION.



# THE INVENTORS

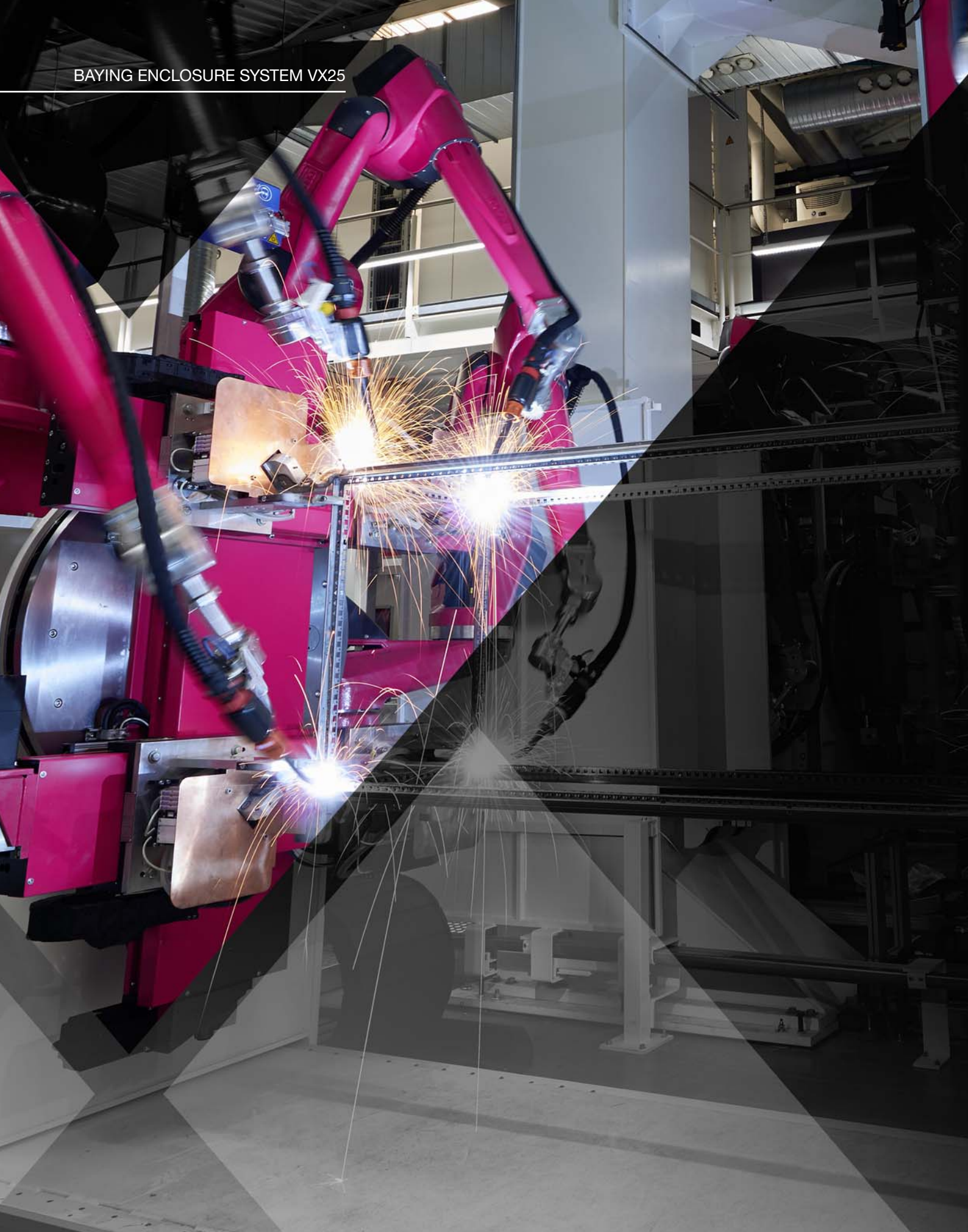
**Ideas to boost efficiency** – It all began with the first standardised enclosure, which led to immediate time and money savings for Rittal's customers. It revolutionised the industry. Even today, improving efficiency for users is still our primary objective. Rittal pursues this goal with passion and inventiveness, as evidenced by our approx. 2,000 patents. The latest example is our VX25 large enclosure system.

**Innovations for improved workflows** – Rittal develops new solutions to keep its customers at the cutting edge of technology. The VX25 is a new platform which can be integrated seamlessly into fully automated switchgear and controller manufacturing. Workflows become more transparent, faster, and more efficient. The digital twin becomes a reality.

IT INFRASTRUCTURE

SOFTWARE & SERVICES





ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

VX25.  
SYSTEM  
PERFECTION.



# THE MOVERS AND SHAKERS

**Manufactured to Industry 4.0** – Made in Germany. The VX25 was developed in Germany, and is also manufactured there to 4.0 standards, using world-class, digitally networked technology. Each day, we produce 15,000 enclosures at 8 production sites on 3 continents, in a consistently high quality and offering unparalleled flexibility and availability.

**World-renowned quality** – The VX25, with its internationally recognised approvals and certifications, is ideal for global use and meets the highest quality benchmarks. Compliance with global standards is ensured by stringent testing to international regulations, plus regular production inspections by external test institutes.

IT INFRASTRUCTURE

SOFTWARE & SERVICES





Materialflussgruppe  
Partnerschaft gewinnt

Materialflussgruppe  
Partnerschaft gewinnt

ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

VX25.  
SYSTEM  
PERFECTION.



# THE PROBLEM SOLVERS

**Fast delivery off the shelf** – Rittal's products, including the VX25, are generally available within 24 hours in Germany, and within 48 hours throughout Europe. To this end, Rittal operates 8 production sites, over 65 subsidiaries and approx. 75 sales and logistics worldwide. The benefits for Rittal customers include greater flexibility in terms of planning, scheduling and production, less storage space requirements, and reduced capital tie-up.

**Fast global service** – If you opt for the VX25, you can rely on Rittal's global service operation, dedicated to ensuring plant availability, identifying potential savings, and resolving technical problems in an uncomplicated fashion. The Rittal service network is implemented and maintained by 4 international service hubs, more than 1,000 service specialists and a round-the-clock Rittal service hotline.

IT INFRASTRUCTURE

SOFTWARE & SERVICES





**ENCLOSURES**

**POWER DISTRIBUTION**

**CLIMATE CONTROL**

VX25.  
SYSTEM  
PERFECTION.



# THE GLOBAL MARKET LEADERS

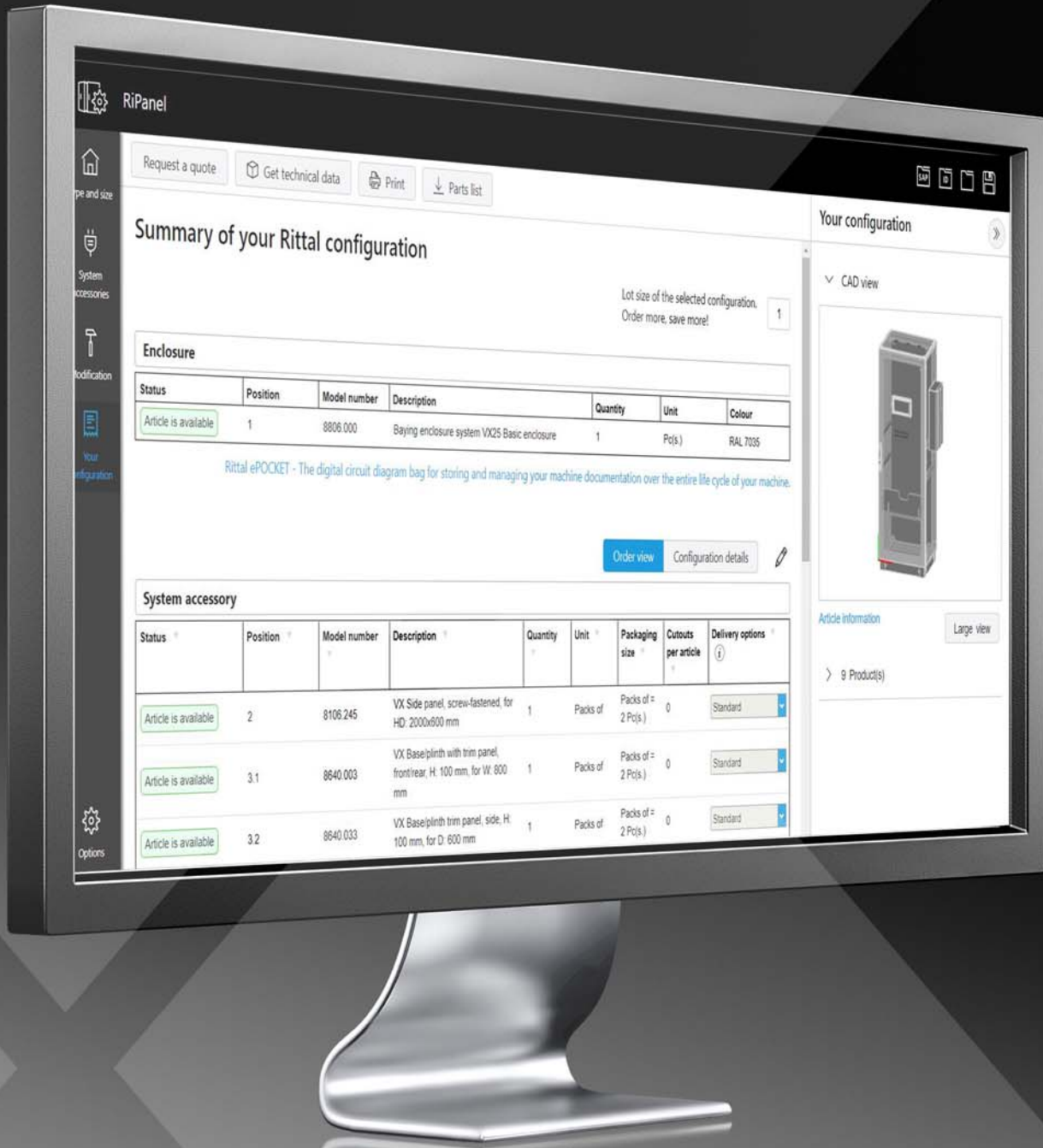
**Industry insider** – The VX25 is revolutionary when it comes to flexibility and adaptability. And there's a good reason for this: Rittal has an in-depth understanding of the requirements of the various markets, and boasts decades of experience as a partner to all sectors of industry, from automotive, to food, to the aerospace industry.

**One-stop supplier** – The VX25 is part of the comprehensive Rittal system, available worldwide. It provides everything you need from a modern enclosure manufacturer, from engineering tools, to enclosures, power distribution and climate control, as well as the full range of accessories for assembling and configuring enclosures.

IT INFRASTRUCTURE

SOFTWARE & SERVICES







VX25.  
**SYSTEM  
PERFECTION.**



# THE TIME SAVERS

**Intuitive configuration translates into time savings of up to 95%** – To this end, Rittal has devised an online tool, RiPanel. Once you have selected your enclosure, it allows you to precisely position your custom-fit accessories.

**Define cut-outs and drilled holes automatically** – Even at the configuration stage, the cut-outs required in the panels may be defined with millimetre accuracy and transferred into the plans.

**The benefits for you** – Finally, the system generates CAD files. Alongside the fully configured design, these files also contain all the data needed to control the Perforex machining centre, making NC-controlled machining of enclosure panels viable even with small batch sizes.

IT INFRASTRUCTURE

SOFTWARE & SERVICES





ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL



# THE BENEFIT PROVIDERS

## More digitisation

The QR code on all machinable enclosure panels permits fully automated incorporation into the production workflow, for seamless digital monitoring at every stage, from the incoming merchandise through to completion.

## More labour-saving

The new hinge is designed for simple, tool-free installation and removal of the doors, eliminating the need to separately unlock and lock the hinge bolts.

## More reduction of parts

The frame section, which is identical both horizontally and vertically, allows uniform punched sections and rails to be used throughout, reducing the number of part variants by up to 40%.

## More installation security

The stable base frame enables the direct, secure attachment of the enclosure from the inside. The large opening makes it simple to install cables with large bending radii from the mounting plate to the base.

## More assembly-friendly

The frame section enables completely unhindered assembly, even from the outside, so that punched sections can be retro-fitted in areas that are no longer accessible from the inside.

IT INFRASTRUCTURE

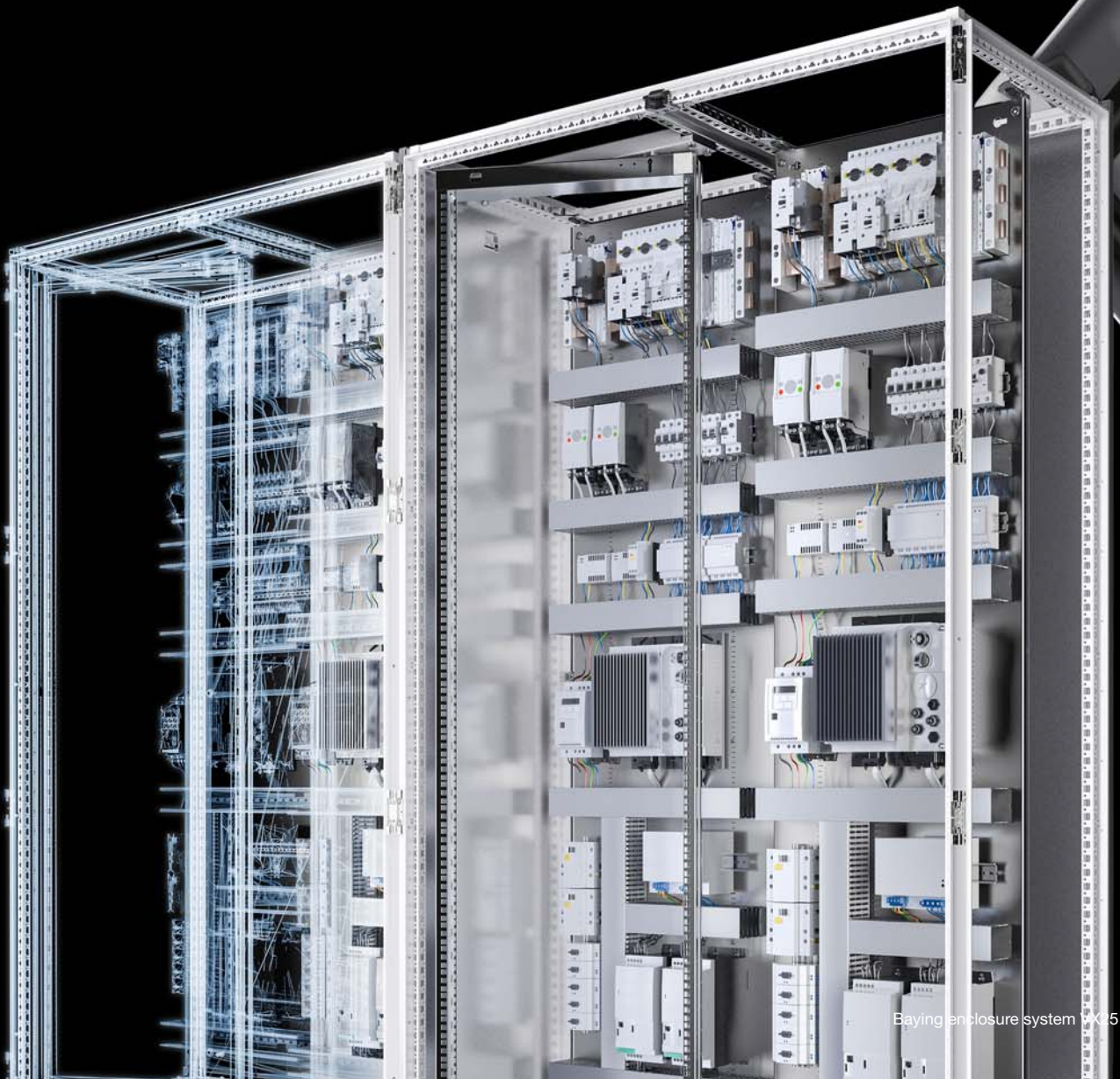
SOFTWARE & SERVICES





# SYSTEM ADVANTAGES – GREATER **SYSTEM BENEFITS**

Rittal standards deliver more overarching system advantages that are anything but standard.





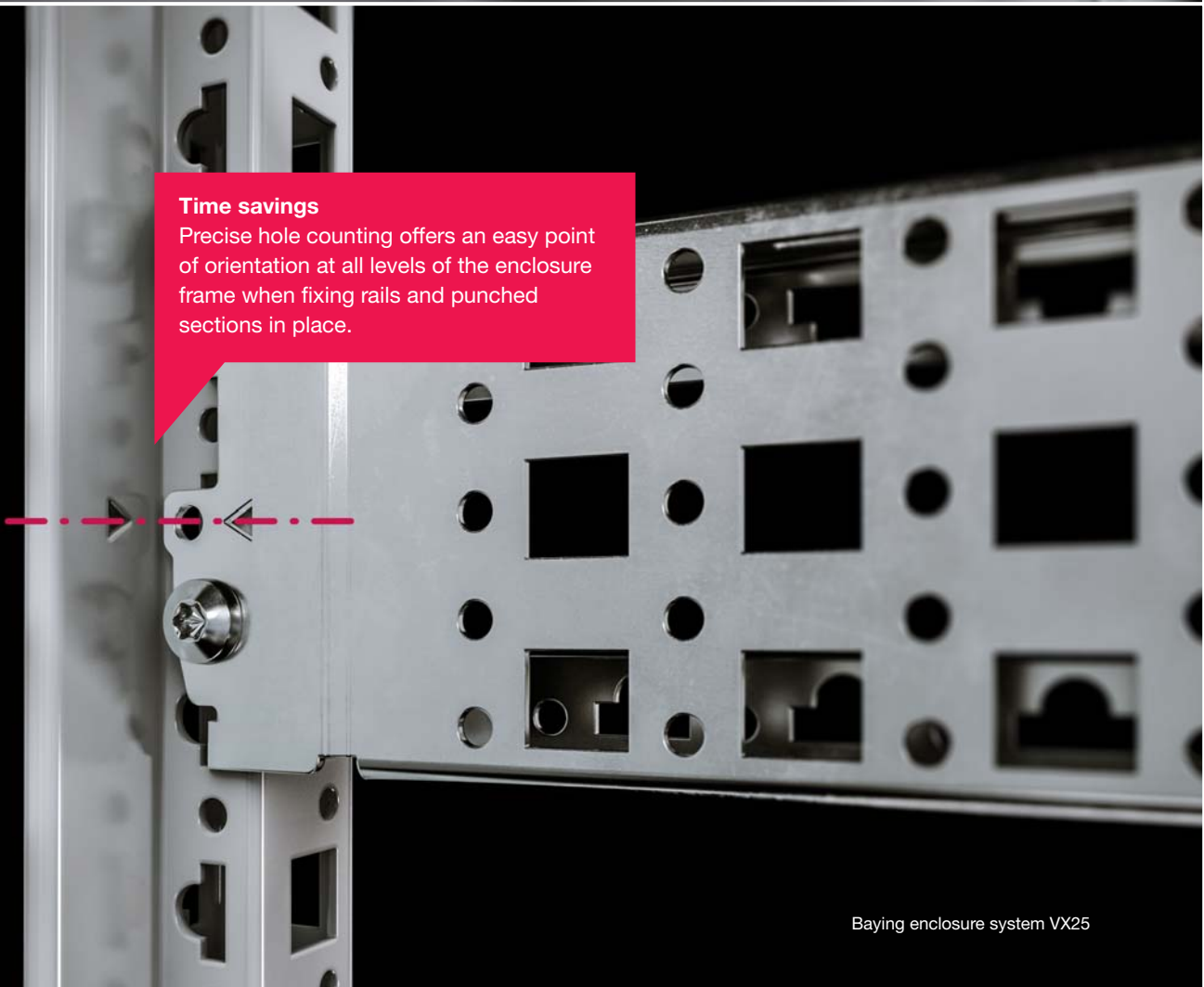
**Digitalisation**

The QR code on all machinable enclosure panels allows for fully automated integration into the production workflow, for seamless digital monitoring from incoming goods right through to the finished product.



**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.



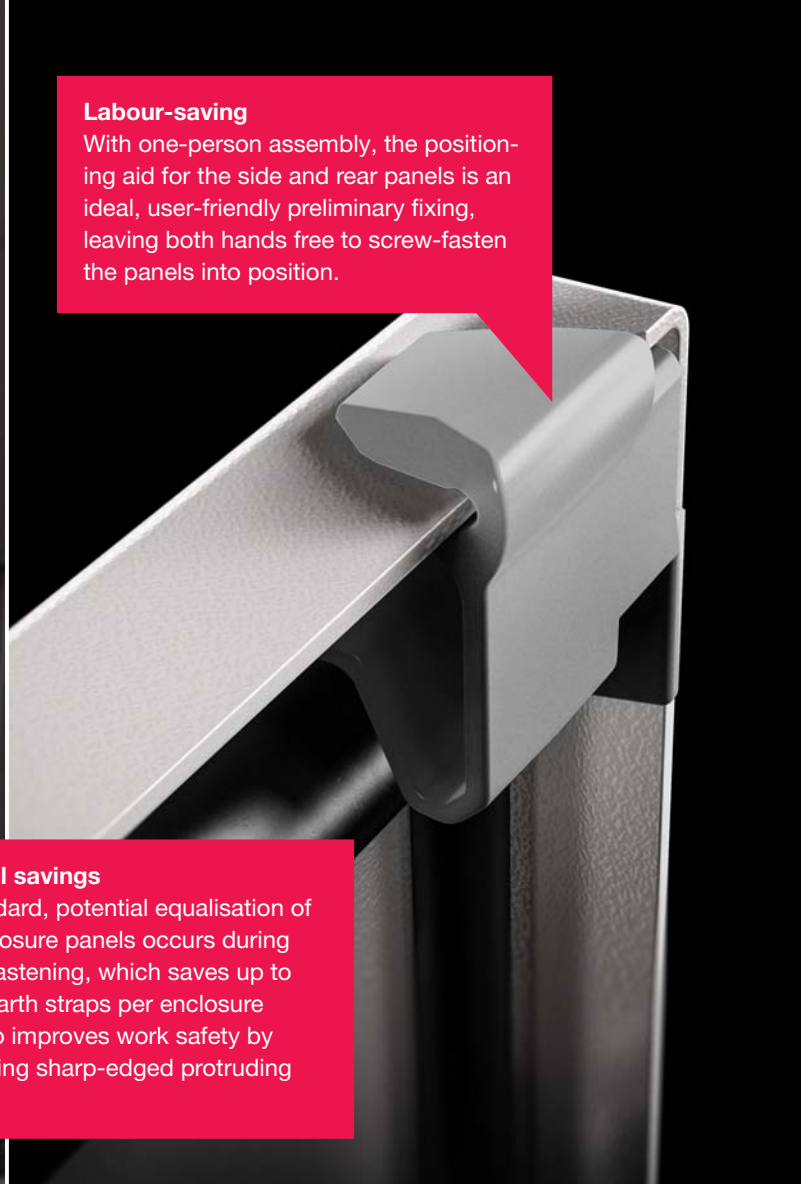


#### Labour-saving

With one-person assembly, the positioning aid for the side and rear panels is an ideal, user-friendly preliminary fixing, leaving both hands free to screw-fasten the panels into position.

#### Material savings

As standard, potential equalisation of the enclosure panels occurs during screw-fastening, which saves up to seven earth straps per enclosure and also improves work safety by eliminating sharp-edged protruding parts.



#### 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



**Safety**

The seamless, foamed-in PU seal offers long-term elasticity and can be painted over as required without posing any problems.

**System**  
Automatic potential equalisation of the roof, rear panel and sides acts as earthing when Rittal climate control devices and Rittal fan-and-filter units are installed.







### 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.



### Reliable engineering

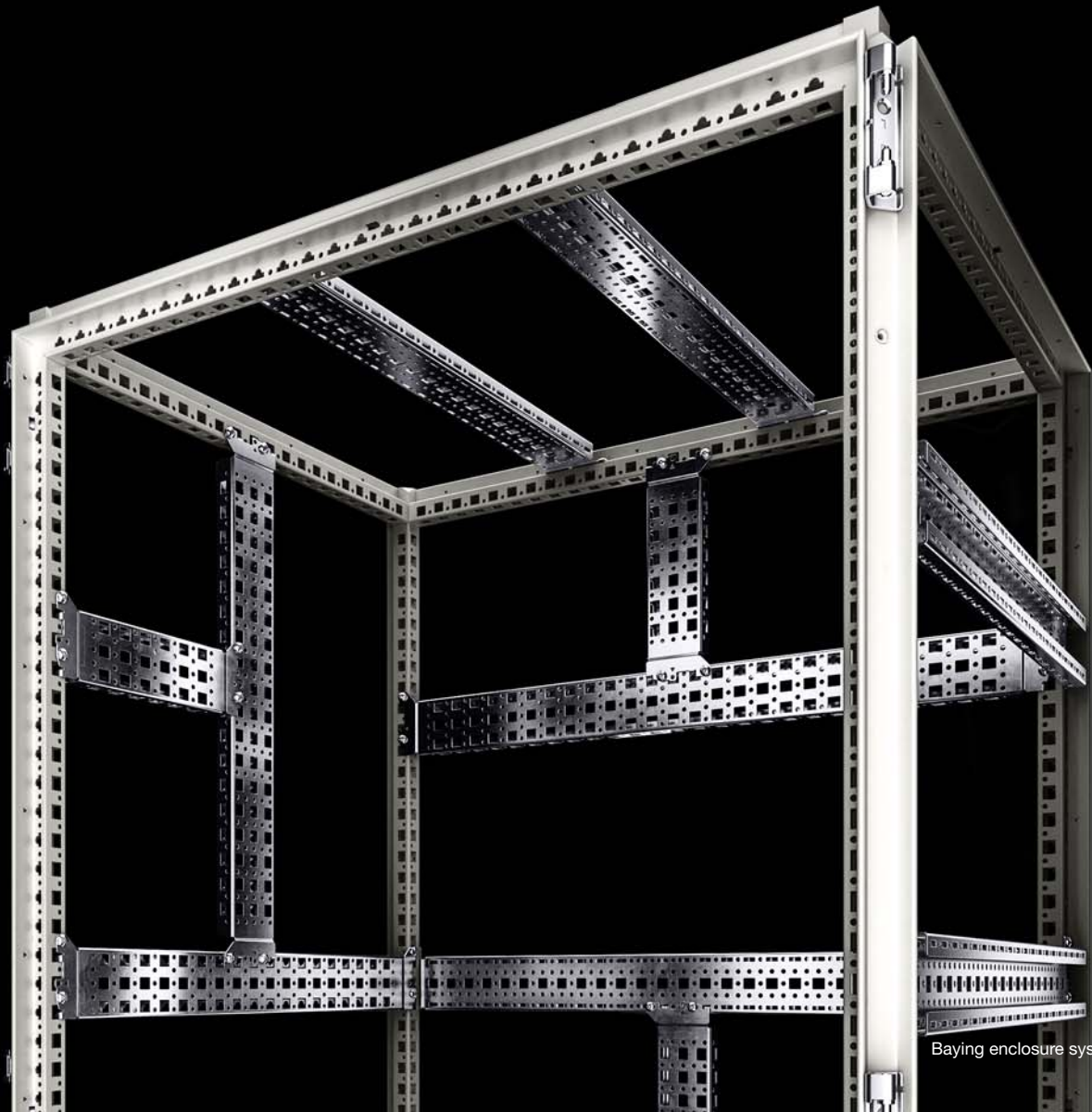
Rittal's customers are supported by a wealth of conversion and planning tools in the automated production process and when working with a virtual prototype.

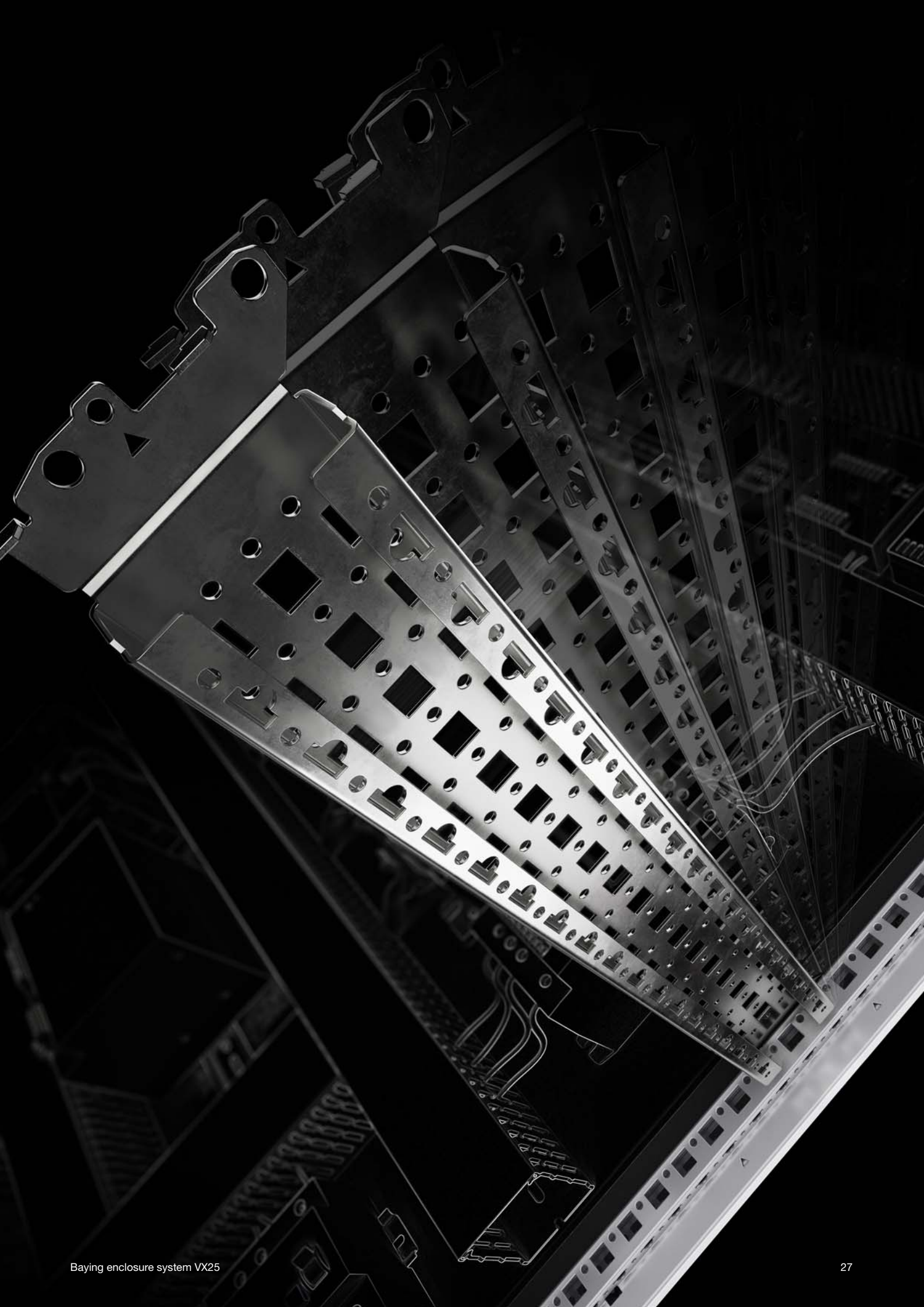
- Configurators
- Parts list converter
- EPLAN Pro Panel
- 2D/3D CAD data
- ecl@ss Advanced
- Technical documentation
- Planning data
- Assembly videos



# FRAME AND PUNCHED SECTION – GREATER **SYSTEM BENEFITS**

Now with greater assembly-friendliness plus efficient engineering thanks to a symmetrical frame section on a 25 mm pitch pattern across all levels, accessible from all sides.



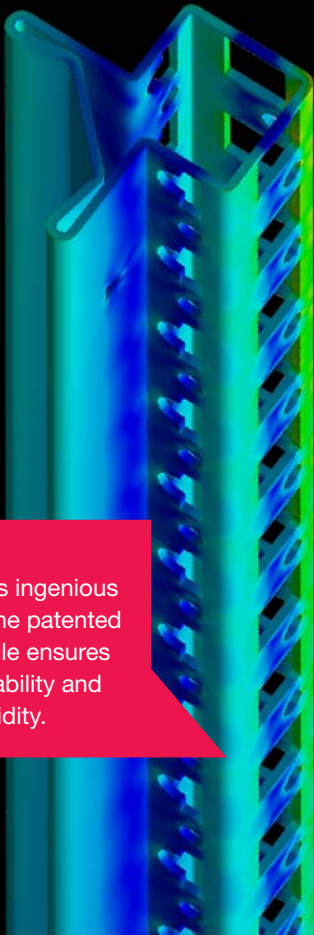
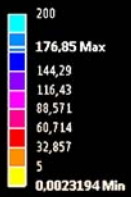




**Accessibility**

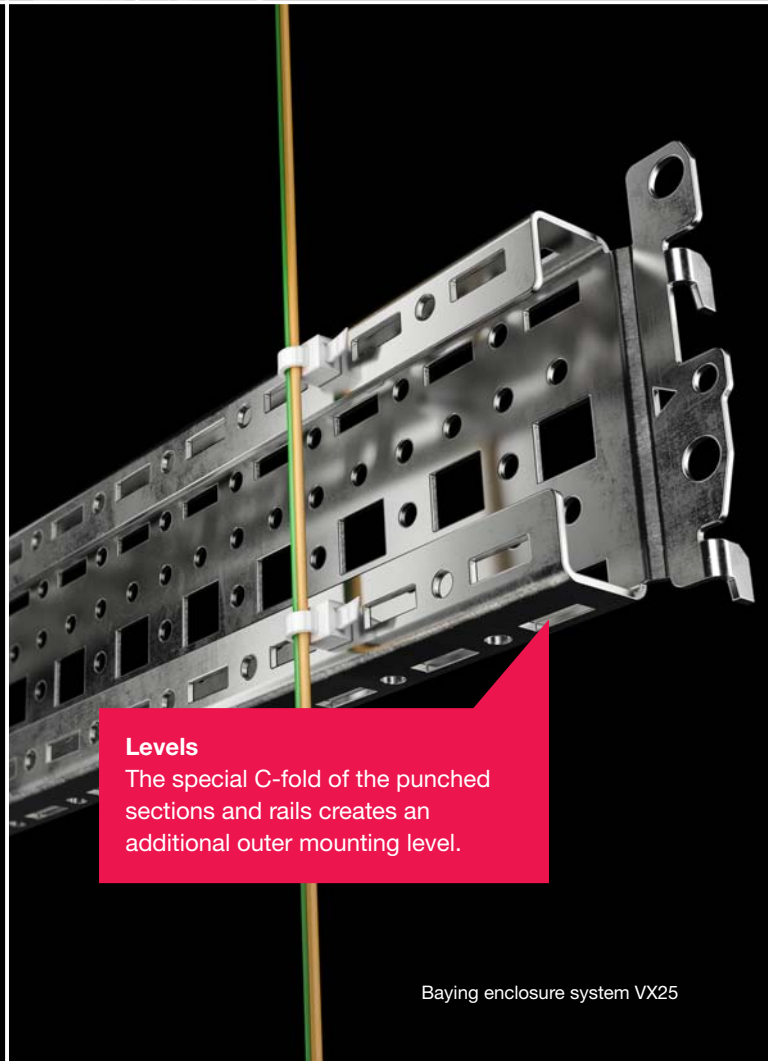
The system offers an outer mounting level in addition to the inner level, making the enclosure readily accessible and configurable from the outside.

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



**Stability**

Thanks to its ingenious geometry, the patented special profile ensures excellent stability and torsional rigidity.



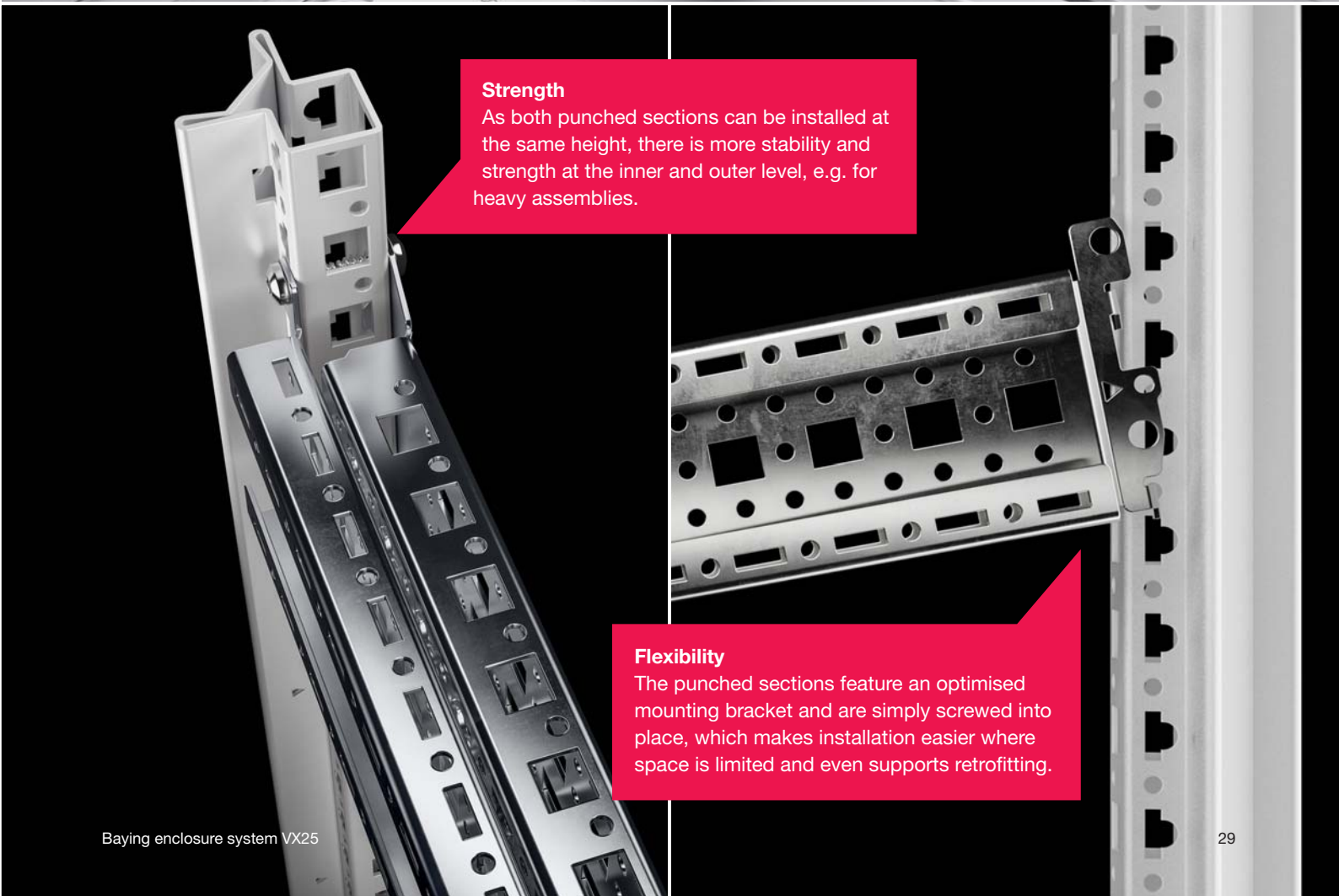
**Levels**

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

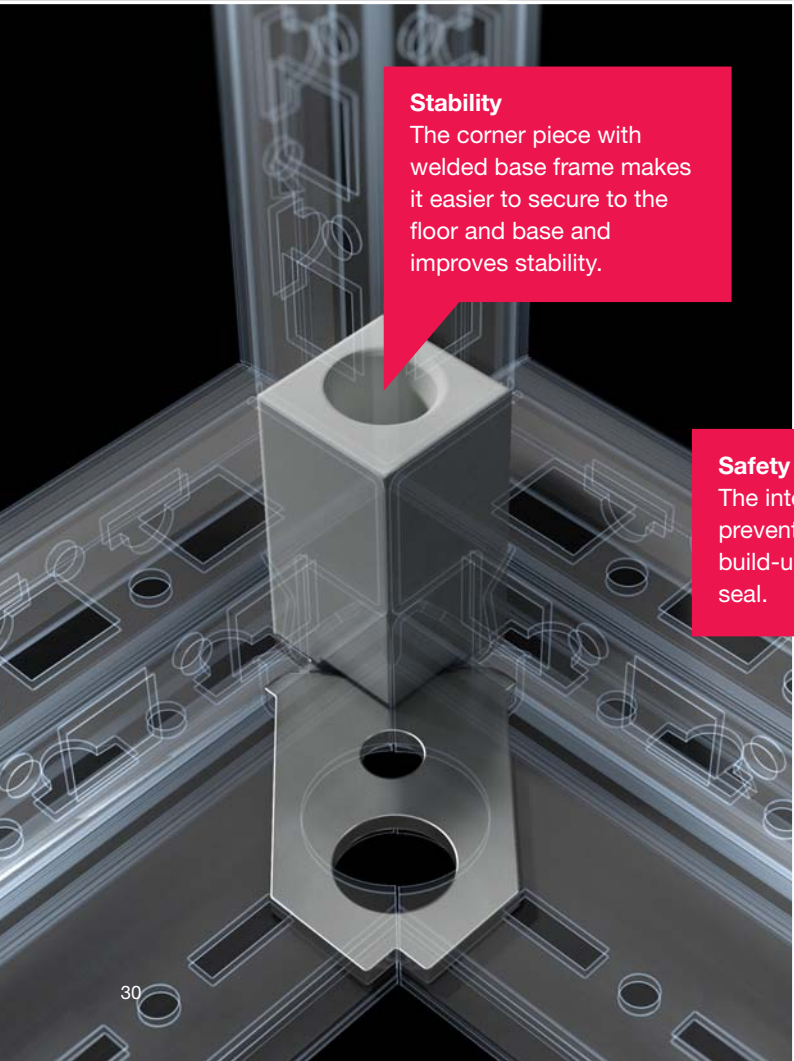
As both punched sections can be installed at the same height, there is more stability and strength at the inner and outer level, e.g. for heavy assemblies.

#### Flexibility

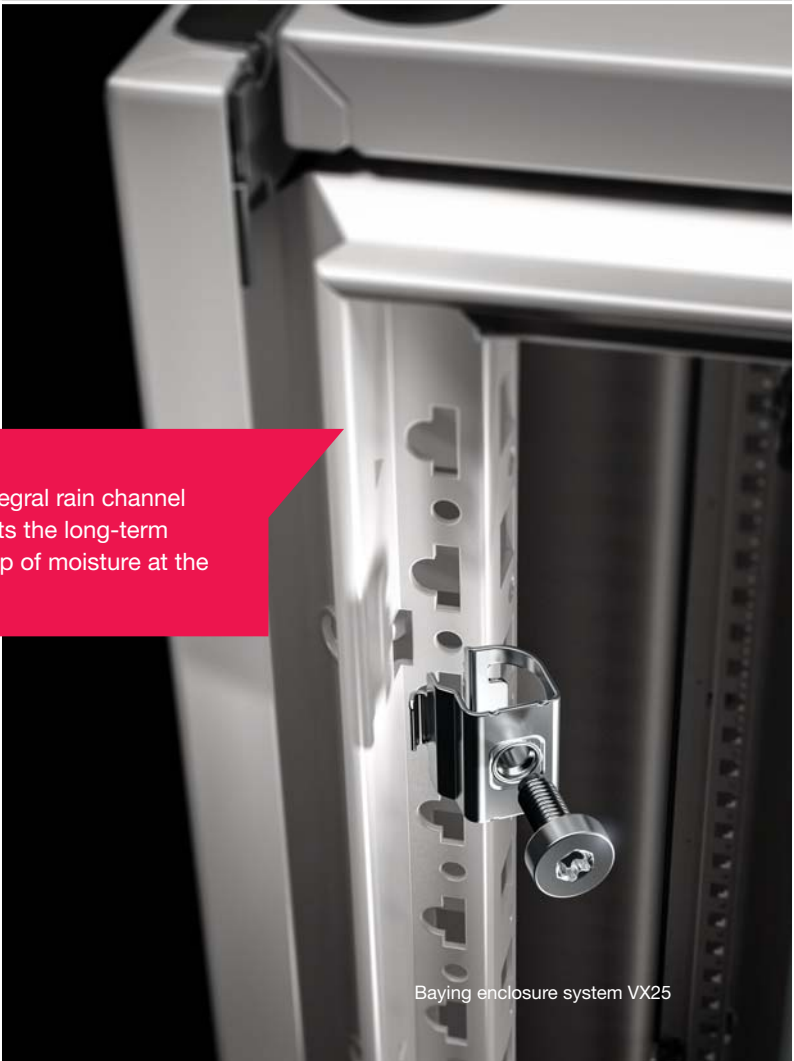
The punched sections feature an optimised mounting bracket and are simply screwed into place, which makes installation easier where space is limited and even supports retrofitting.



**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 welded base frame makes it easier to secure to the floor and base and improves stability.



**Safety**  
The integral rain channel prevents the long-term build-up of moisture at the seal.



#### **Mounting options**

Using the standard punched section, including to support the roof and side panels, simplifies engineering and assembly, and relieves pressure on the parts warehouse.



#### **Cost-efficiency**

The frame profile, which is identical horizontally and vertically, enables consistent use of standardised punched sections and rails, which reduces the number of part variants by up to 40 per cent without losing any functionality.

#### **Mounting plates**

The system divider designed for installation in the enclosure depth divides wide enclosures into two halves, increasing the flexibility of interior installation.



# DOORS AND WALLS – GREATER **TIME SAVINGS**

More flexibility, easier installation and better cost-efficiency thanks to ingenious hinge technology, a quick-fit and readily replaceable lock system, and the elimination of avoidable machining processes.







**Labour-saving**

The new hinge allows doors to be fitted and removed incredibly easily without any tools, and separately locking and unlocking the hinge bolts is a thing of the past.

**Time savings**

There is no need to machine the door when installing the 180° hinge, which reduces the installation time during retrofitting by up to 30 minutes per door.



**Time savings**

The simple, tool-free exchangeability of lock systems, such as the comfort handle, reduces the necessary installation time by up to 50 per cent.



**Labour-saving**

With one-person assembly, the positioning aid for the side and rear panels is an ideal, user-friendly preliminary fixing, leaving both hands free to screw-fasten the panels into position.



**Safety**

The adjacent door latch mechanism is operated from outside for extra convenience and safety because users don't have to reach inside the enclosure.

**Easy assembly**

The innovative clip mechanism of the panel holders speeds up the installation of side panels.

**Access**

The panel holders can also be easily retrofitted and are clipped into place from the outside without having to first remove previously installed rear panels.

**Expansion options**

Thanks to its ingenious geometry, the special profile ensures excellent stability, torsional rigidity and flexibility for door installations.

**Processability**

The QR code on all machinable enclosure panels allows for fully automated integration into the production workflow, for seamless digital monitoring from incoming goods right through to the finished product.





### Flexibility

The opportunity to change the opening direction of main and adjacent doors on double-door enclosures according to needs, creates added flexibility when installing cooling units in enclosure doors and prevents collisions between equipment and doors.



### Accelerator

The series-standard T-head punching in the tubular door frame speeds up the process of laying cables in the door. Cables can be fixed to the door extremely quickly, even when using conventional commercial cable ties.



### Usable height

The flat centre seal does not obstruct the movement of the swing frame or other components.



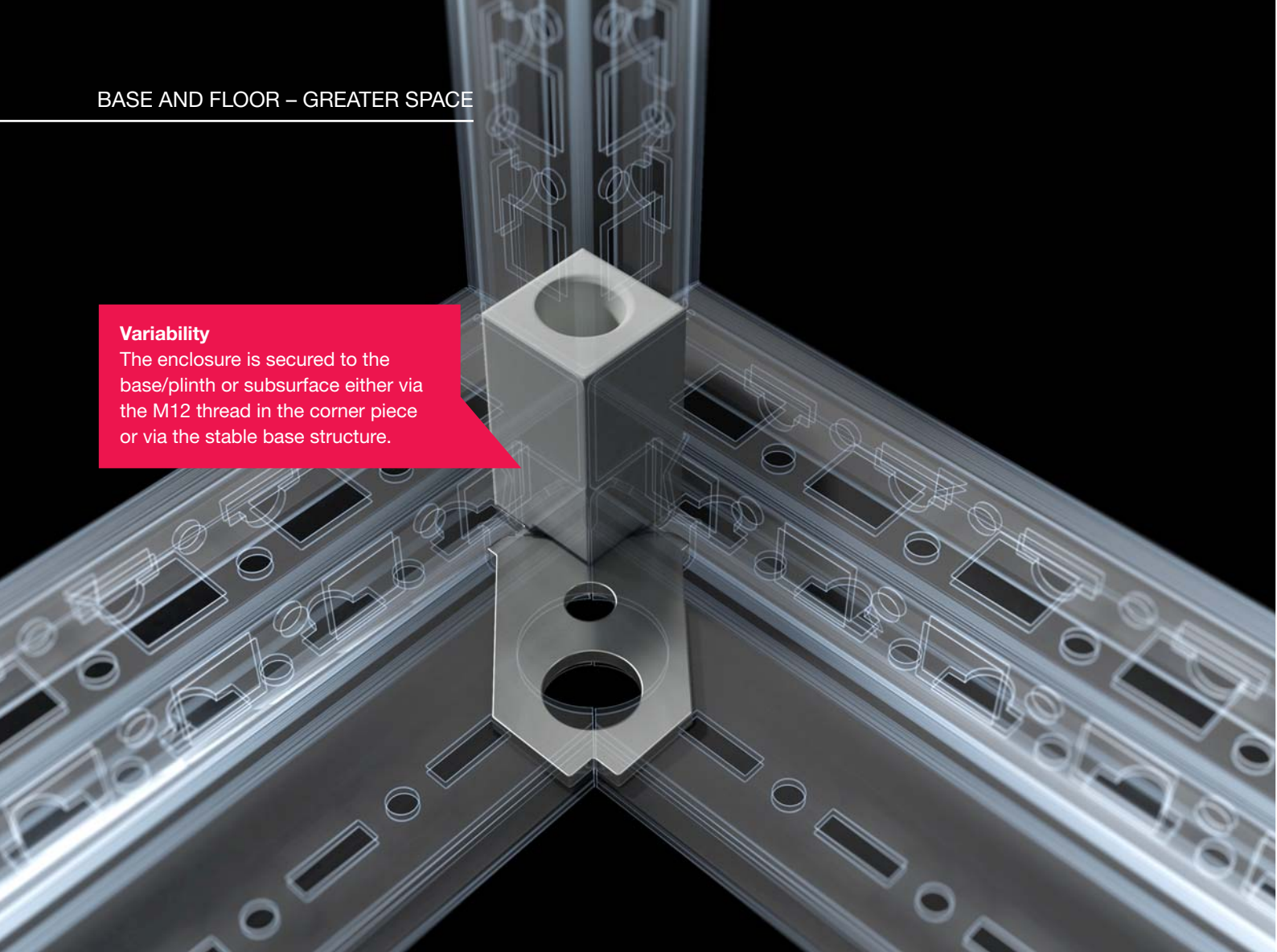
## BASE AND FLOOR – GREATER **SPACE**

Make better use of space, simplify work and save time thanks to the outstanding compatibility of the enclosure and base – even when buying enclosures and fitting accessories.



**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 equalisation without having to incorporate any earth straps.

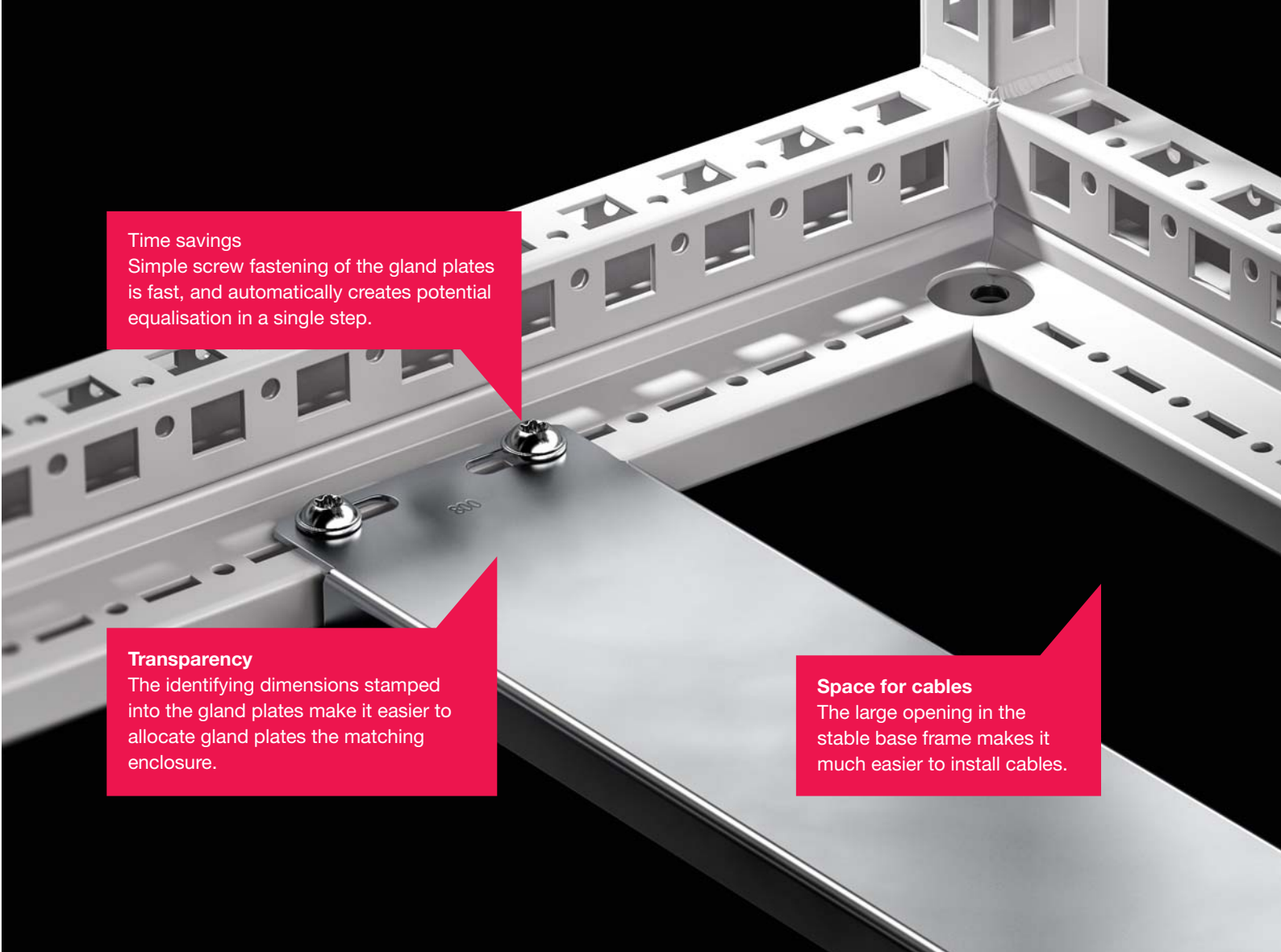


**Precision**

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








**Time savings**  
Simple screw fastening of the gland plates is fast, and automatically creates potential equalisation in a single step.

**Transparency**  
The identifying dimensions stamped into the gland plates make it easier to allocate gland plates the matching enclosure.

**Space for cables**  
The large opening in the stable base frame makes it much easier to install cables.



**Labour-saving**  
The earthing points with standardised markings provide helpful assists, enabling quicker work flow.

**Cable-friendly**  
Rounded edges prevent cables routed under the enclosure from being damaged.

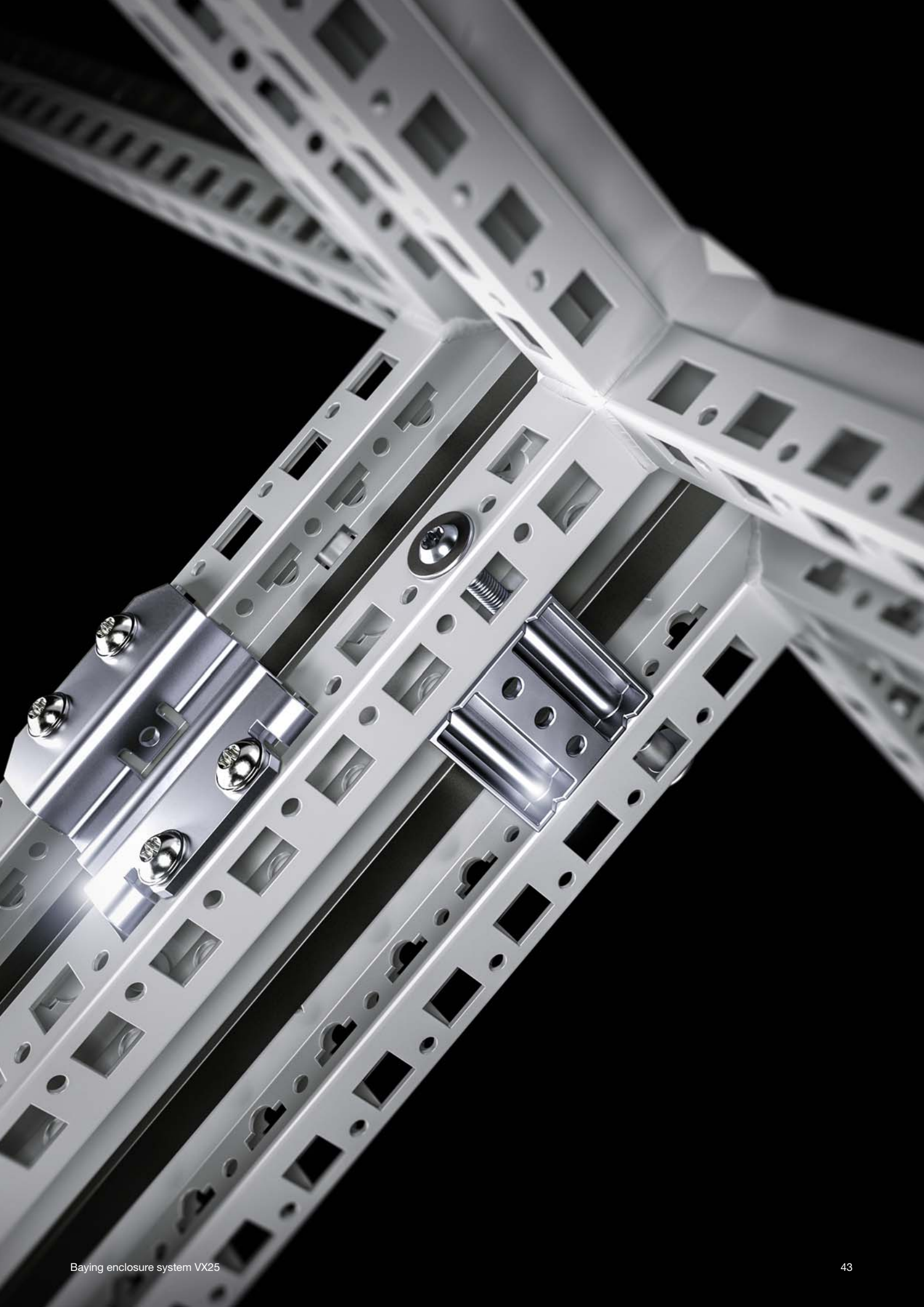
**Rigidity**  
The double edge fold on the gland plates prevents bending even under heavy loads and guarantees the required high degree of protection.



# BAYING – GREATER **SIMPLIFICATION**

Complexity is further reduced thanks to a simplified, more consistent baying system for all applications.





**Overview**

The baying connectors are designed so that all the baying scenarios that crop up in enclosure engineering can be covered with a maximum of just three different baying solutions. That means it is easier to make decisions and takes some of the hard work out of engineering.

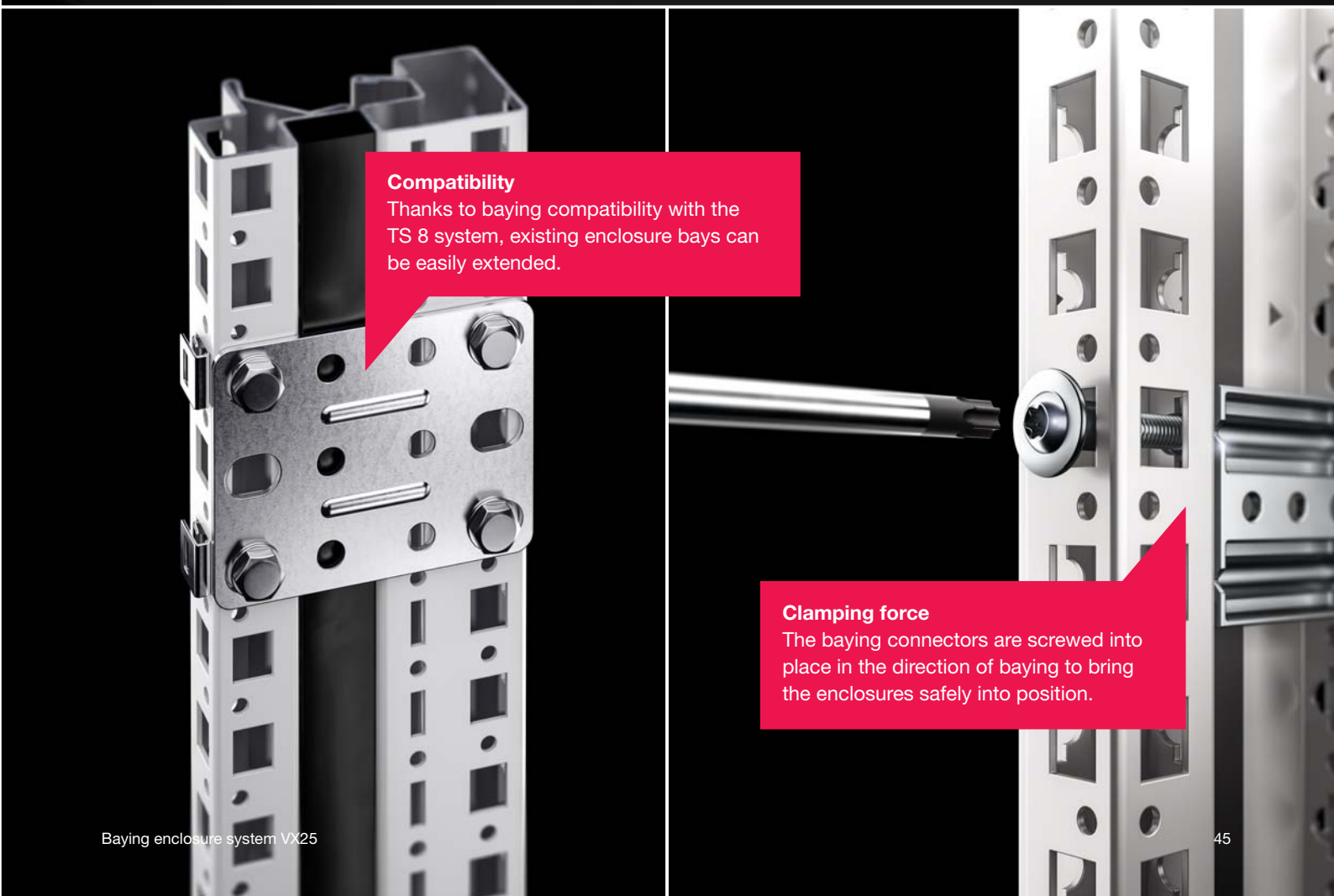
**Location flexibility**

The option of baying from all four sides allows an individual response to every space situation.



**Sealing efficiency**

The seal, which can be inserted in a flash, allows precise positioning and can be removed at any time.



**Compatibility**

Thanks to baying compatibility with the TS 8 system, existing enclosure bays can be easily extended.

**Clamping force**

The baying connectors are screwed into place in the direction of baying to bring the enclosures safely into position.



# 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.

**Digitalisation**

The QR code on all machinable enclosure panels permits fully automated incorporation into the production workflow, for seamless digital monitoring from incoming goods right through to the finished product.



**Process efficiency**

The integral clip means that the mounting plate slide block can be dismantled with no need for tools and easily refitted. This helps to streamline the fully automated machining process in every respect.





### Space gain

The option of fitting the mounting plate 20 mm deeper in the enclosure with a special installation kit creates additional space in the enclosure depth.



### Ease of placement

The printed scale ensures components can be easily and quickly positioned on the mounting plate – without having to carry out separate measurements.

### Flexibility

Thanks to the potential for depth adjustment in the 25 mm pitch pattern, the mounting plate can be installed at the optimum position for the application.



### 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.

# FIND WHAT YOU NEED EASILY – WITH BONUS INFORMATION

## Product overview

Here you will find all the dimensions and designs at a glance.

Page 52/53



Height x depth mm	Width mm	Doors	Basic enclosure		Basic enclosure with glazed door <sup>1)</sup>	Electronic enclosure <sup>2)</sup>	IP66/NEMA 4
			Model No.	Model No.	Model No.	Model No.	Model No.
1200 x 500	600	1	Sheet steel	Stainless steel	Sheet steel	Sheet steel	Sheet steel
	800	1	8615.000	–	–	–	–
	1200	2	8215.000	–	–	–	–
1400 x 500	600	1	8645.000	–	–	–	–
	800	1	8845.000	–	–	–	–
	1200	2	8245.000	–	–	–	–
1600 x 500	600	1	8665.000	–	–	–	–
	800	1	8865.000	–	–	–	–
	1200	2	8265.000	–	–	–	–
1600 x 600	600	1	–	–	–	8410.000	–
	800	1	–	–	–	8418.000	–
1800 x 400	600	1	8684.000	–	–	–	–
	800	1	8984.000	8454.000	–	–	–
	1000	1	8084.000	–	–	–	–
			8080.000	–	–	–	–

## Benefits

The VX25 is packed full of interesting innovations. Read here if you would like to understand how they benefit you.

Page 19 – 49



## Ordering information for the buying enclosure system VX25

Once you have chosen a suitable enclosure, in the column below you will find the Model Numbers for those all-important matching accessories. Details of these accessory components are easily referenced using the page numbers in the right-hand column.

Page 54 – 79

System accessories Page 62 482.6 mm (19") Installation accessories Page 2/8

Material and surface finish:	Colour:	Supply includes:	Approvals:
– Enclosure frame: Sheet steel, 1.5 mm, dipcoat-primed	– RAL 7035	– Enclosure frame	– Bureau Veritas
– Roof: Sheet steel, 1.5 mm, dipcoat-primed, powder-coated on the outside, textured paint		– Front frame (r/h hinges, held on the left via mechanical snap fasteners)	
– Front frame: Extruded aluminium section, powder-coated		– Rear door (r/h hinge, may be swapped to opposite side)	
– Rear door: Sheet steel, 2 mm, dipcoat-primed, powder-coated on the outside, textured paint		– Roof plate	
		– Gland plates	
		– Adaptor sections, 482.6 mm (19"), front	

Electronic enclosure	Packs of	33	33	42	42	Page
Width mm		600	600	600	600	
Height mm		1600	1600	2000	2000	
Depth mm		600	800	600	800	
Model No.	1 pcs/	8410.000	8418.000	8430.000	8438.000	
Weight, approx. kg		58.0	63.2	67.8	72.2	

Accessories					
Base/plinth corner pieces with base/plinth trim panels, front and rear, 100 mm	2 pcs/	8640.002	8640.002	8640.002	8640.002 89
Base/plinth trim panels, side, 100 mm	2 pcs/	8640.033	8640.034	8640.033	8640.034 90
Base/plinth corner pieces with base/plinth trim panels, front and rear, 200 mm	2 pcs/	8640.022	8640.022	8640.022	8640.022 89
Base/plinth trim panels, side, 200 mm	2 pcs/	8640.043	8640.044	8640.043	8640.044 90
Leveling feet	4 pcs/	4612.000	4612.000	4612.000	4612.000 96
Side panels, screw-fastened, sheet steel	2 pcs/	8166.245	8168.245	8108.245	8108.245 102
Comfort handle VX for lock inserts	1 pcs/	8618.200	8618.200	8618.200	8618.200 128
Comfort handle VX for lock inserts and padlock	1 pcs/	8618.230	8618.230	8618.230	8618.230 128
Comfort handle VX for profile half-cylinders	1 pcs/	8618.250	8618.250	8618.250	8618.250 128

Knowledge is about knowing where to find the right information. It may sound banal, but there is a serious message here. This brochure contains a wealth of information for all relevant target groups within your company, and it is well worth looking at this page. You will find valuable information to help you find the right solution quickly and easily.



**Important information on the use of accessories**  
 To enable you to fully appreciate the benefits of our accessory range, each chapter highlights the principal applications. Allow us to inspire you, and explore the vast range of opportunities.  
 From page 84

**Enclosure frame**  
 The patented profile is completely symmetrical across all levels and equipped with 25 mm system punchings that are consistently retained even across multiple enclosures.

**Two mounting levels**  
 The two mounting levels, spaced 25 mm apart, allow optimum flexibility and maximise the space available for interior installation.

1 Outer mounting level  
 2 Inner mounting level

**Punched section with mounting flange for the inner mounting level**  
 The punched section with mounting flange supports system configuration on a 25 mm pitch pattern across all levels of the VX25, even beyond enclosure boundaries. With the system punchings, cage nuts up to M8 can be used across three levels. This allows you to securely fasten your own components with metric screws. Direct mounting on the horizontal enclosure section is also supported.

**Punched section with mounting flange for the outer mounting level**  
 The punched section is easily retro-fitted, even with the side panel already installed, because the rounded edges allow it to be screwed in. The additional C-fold may be used to support heavy installed equipment on the side panel or roof, or for attaching cable connectors.

**Ordering information for accessories**  
 All accessory components are described and presented in depth. The detailed information on each product ensures that nothing is forgotten, and any special features can be incorporated into your planning.  
 From page 84

### Interior installation

#### Rail systems

**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
- 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	P. of	Model No.
400	2 pcs/ft	8100.730
500	2 pcs/ft	8100.731
600	2 pcs/ft	8100.732
800	2 pcs/ft	8100.733

**+ Accessories:**

- Screws, see page 158
- Cable ties 2597.000, see page 188
- Cage nuts, see page 157
- Base/plinth installation bracket, see page 89

**Technical details**  
 All the main dimensions of the VX25 are shown here in a compact, clear format, without electronic aids. Should you require more detailed information, this can be found at [www.rittal.com](http://www.rittal.com)  
 Page 218 – 235

**Note:**

- With fitted side panels, the overall width (B1) is increased by 13 mm.
- Between bayed enclosures, allow 1 mm for the seal.

# Baying enclosure system VX25 – Product overview



			Basic enclosure		Basic enclosure with glazed door <sup>1)</sup>	Electronic enclosure <sup>2)</sup>	IP 66/NEMA 4	
Height x depth mm	Width mm	Doors	Model No.	Model No.	Model No.	Model No.	Model No.	
Material			Sheet steel	Stainless steel	Sheet steel	Sheet steel	Sheet steel	
<b>1200 x 500</b>	600	1	<b>8615.000</b>	-	-	-	-	
	800	1	<b>8815.000</b>	-	-	-	-	
	1200	2	<b>8215.000</b>	-	-	-	-	
<b>1400 x 500</b>	600	1	<b>8645.000</b>	-	-	-	-	
	800	1	<b>8845.000</b>	-	-	-	-	
	1200	2	<b>8245.000</b>	-	-	-	-	
<b>1600 x 500</b>	600	1	<b>8665.000</b>	-	-	-	-	
	800	1	<b>8865.000</b>	-	-	-	-	
	1200	2	<b>8265.000</b>	-	-	-	-	
<b>1600 x 600</b>	600	1	-	-	-	<b>8410.000</b>	-	
<b>1600 x 800</b>	600	1	-	-	-	<b>8418.000</b>	-	
<b>1800 x 400</b>	600	1	<b>8684.000</b>	-	-	-	-	
	800	1	<b>8884.000</b>	<b>8454.000</b>	-	-	-	
	1000	1	<b>8084.000</b>	-	-	-	-	
	1000	2	<b>8080.000</b>	-	-	-	-	
	1200	2	<b>8284.000</b>	<b>8456.000</b>	-	-	-	
<b>1800 x 500</b>	400	1	<b>8485.000</b>	-	-	-	-	
	600	1	<b>8685.000</b>	<b>8457.000</b>	-	-	-	
	800	1	<b>8885.000</b>	<b>8455.000</b>	-	-	-	
	800	2	<b>8880.000</b>	-	-	-	-	
	1200	2	<b>8285.000</b>	<b>8453.000</b>	-	-	-	
<b>1800 x 600</b>	400	1	<b>8486.000</b>	-	-	-	-	
	600	1	<b>8686.000</b>	-	-	-	-	
	800	1	<b>8886.000</b>	-	-	-	-	
	800	2	<b>8881.000</b>	-	-	-	-	
	1200	2	<b>8286.000</b>	-	-	-	-	
<b>2000 x 400</b>	400	1	-	-	-	-	-	
	600	1	<b>8604.000</b>	-	-	-	-	
	800	1	<b>8804.000</b>	-	-	-	-	
	850	1	-	-	-	-	-	
	1000	2	<b>8004.000</b>	-	-	-	-	
	1100	2	-	-	-	-	-	
	1200	2	<b>8204.000</b>	-	-	-	-	
<b>2000 x 500</b>	400	1	<b>8405.000</b>	-	-	-	-	
	600	1	<b>8605.000</b>	-	-	-	-	
	800	1	<b>8805.000</b>	-	-	-	-	
	1000	2	<b>8005.000</b>	-	-	-	-	
	1200	2	<b>8205.000</b>	-	-	-	-	
<b>2000 x 600</b>	400	1	<b>8406.000</b>	-	-	-	-	
	600	1	<b>8606.000</b>	<b>8452.000</b>	<b>8840.120</b>	<b>8430.000</b>	-	
	800	1	<b>8806.000</b>	<b>8450.000</b>	<b>8840.100</b>	-	<b>8807.000</b>	
	850	1	-	-	-	-	-	
	1000	2	<b>8006.000</b>	-	-	-	-	
	1100	2	-	-	-	-	-	
	1200	2	<b>8206.000</b>	<b>8451.000</b>	-	-	-	
<b>2000 x 800</b>	400	1	-	-	-	-	-	
	600	1	<b>8608.000</b>	-	<b>8840.130</b>	<b>8438.000</b>	-	
	800	1	<b>8808.000</b>	-	<b>8840.110</b>	-	-	
	1200	2	<b>8208.000</b>	-	-	-	-	
<b>2200 x 600</b>	400	1	-	-	-	-	-	
	600	1	<b>8626.000</b>	-	-	-	-	
	800	1	<b>8826.000</b>	-	-	-	-	
	1000	1	-	-	-	-	-	
	1200	2	<b>8226.000</b>	-	-	-	-	
<b>2200 x 800</b>	400	1	-	-	-	-	-	
	600	1	<b>8628.000</b>	-	-	-	-	
	800	1	<b>8828.000</b>	-	-	-	-	
	1200	1	<b>8228.000</b>	-	-	-	-	
from page			54	75	67	68	69	

<sup>1)</sup> Glazed door at the front, rear door <sup>2)</sup> Rear door

# Baying enclosure system VX25 – Product overview



			IP 66/NEMA 4X	Distribution enclosure	Modular enclosure <sup>3)</sup>	Fuse-switch-disconnector enclosure	EMC enclosure	
	Width mm	Doors	Model No.	Model No.	Model No.	Model No.	Model No.	
			Stainless steel	Sheet steel	Sheet steel	Sheet steel	Sheet steel <sup>4)</sup>	
	600	1	-	-	-	-	-	
	800	1	-	-	-	-	-	
	1200	2	-	-	-	-	-	
	600	1	-	-	-	-	-	
	800	1	-	-	-	-	-	
	1200	2	-	-	-	-	-	
	600	1	-	-	-	-	-	
	800	1	-	-	-	-	-	
	1200	2	-	-	-	-	-	
	600	1	-	-	-	-	-	
	600	1	-	-	-	-	-	
	600	1	-	-	-	-	-	
	800	1	-	-	-	-	-	
	1000	1	-	-	-	-	-	
	1000	2	-	-	-	-	-	
	1200	2	-	-	-	-	-	
	400	1	-	-	-	-	-	
	600	1	-	-	-	-	-	
	800	1	-	-	-	-	-	
	800	2	-	-	-	-	-	
	1200	2	-	-	-	-	-	
	400	1	-	-	-	-	-	
	600	1	-	-	-	-	-	
	800	1	-	-	-	-	-	
	800	2	-	-	-	-	-	
	1200	2	-	-	-	-	-	
	400	1	-	-	-	-	-	
	600	1	-	-	-	-	-	
	800	1	-	-	-	-	-	
	800	2	-	-	-	-	-	
	1200	2	-	-	-	-	-	
	400	1	-	-	-	-	-	
	600	1	-	-	-	-	-	
	800	1	-	-	-	-	-	
	850	1	-	9666.956	-	-	-	
	1000	2	-	-	-	-	-	
	1100	2	-	9666.966	-	-	-	
	1200	2	-	-	-	-	-	
	400	1	-	-	-	-	-	
	600	1	-	-	-	-	-	
	800	1	-	-	-	-	-	
	1000	2	-	-	-	-	-	
	1200	2	-	-	-	-	-	
	400	1	-	-	9680.406	-	-	
	600	1	-	-	9680.606	-	-	
	800	1	8458.000	-	9680.806	-	8807.010	
	850	1	-	9666.916	-	-	-	
	1000	1	-	-	-	9680.005	-	
	1100	2	-	9666.926	-	-	-	
	1200	2	-	-	-	-	-	
	400	1	-	-	9680.408	-	-	
	600	1	-	-	9680.608	-	-	
	800	1	-	-	9680.808	-	8807.020	
	1200	1	-	-	-	9680.207	-	
	400	1	-	-	9680.426	-	-	
	600	1	-	-	9680.626	-	-	
	800	1	-	-	9680.826	-	-	
	1000	1	-	-	-	9680.025	-	
	1200	2	-	-	-	-	-	
	400	1	-	-	9680.428	-	-	
	600	1	-	-	9680.628	-	-	
	800	1	-	-	9680.828	-	-	
	1200	1	-	-	-	9680.227	-	
			79	70	71	73	74	

<sup>3)</sup> Without door <sup>4)</sup> Sheet steel with magnesium zinc coating

# Baying enclosure system VX25



System accessories Page 84 VX25 basic enclosure with glazed door Page 66 VX25, stainless steel Page 75 VX25 EMC-shielded Page 74

## Material and surface finish:

- Enclosure frame: Sheet steel, 1.5 mm, dipcoat-primed
- Roof: Sheet steel, 1.5 mm, dipcoat-primed, powder-coated on the outside, textured paint
- Door: Sheet steel, 2 mm, dipcoat-primed, powder-coated on the outside, textured paint
- Rear panel: Sheet steel, 1.5 mm, dipcoat-primed, powder-coated on the outside, textured paint
- Gland plates: Sheet steel, 1.5 mm, zinc-plated, passivated
- Mounting plate: Sheet steel, 3 mm, zinc-plated, passivated

## Colour:

- RAL 7035

## Protection category IP to IEC 60 529:

- IP 55

## Protection category NEMA:

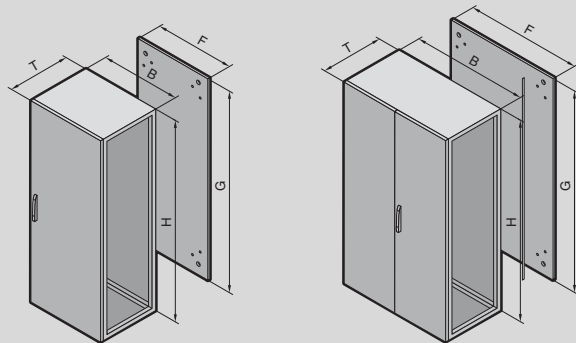
- NEMA 1, 12

## Supply includes:

- Enclosure frame
- Door(s) (r/h hinge, may be swapped to opposite side)
- Roof plate
- Rear panel
- Gland plates
- Mounting plate
- 2 punched rails 18 x 39 mm
- Lock: 3 mm double-bit

## Approvals:

- UL
  - cUL
  - Bureau Veritas
  - DNV-GL
  - Lloyds Register of Shipping
- Further approvals can be found on the Internet.



# Baying enclosure system VX25

## Basic enclosure, height 1200 mm, depth 500 mm

Width (B) mm	Packs of	600	800	1200	Page
Height (H) mm		1200	1200	1200	
Depth (T) mm		500	500	500	
Mounting plate width (F) mm		499	699	1099	
Mounting plate height (G) mm		1096	1096	1096	
<b>Model No.</b>	1 pc(s).	<b>8615.000</b>	<b>8815.000</b>	<b>8215.000</b>	
Weight, approx. kg		66.0	82.4	126.0	
<b>Product-specific scope of supply</b>					
Door(s)		1	1	2	
<b>Accessories</b>					
Base/plinth corner pieces with base/plinth trim panel, front and rear, 100 mm	2 pc(s).	8660.002	8660.003	8660.007	91
Base/plinth trim panels, sides, 100 mm	2 pc(s).	8660.032	8660.032	8660.032	92
Base/plinth corner pieces with base/plinth trim panel, front and rear, 200 mm	2 pc(s).	8660.022	8660.023	8660.025	91
Base/plinth trim panels, sides, 200 mm	2 pc(s).	8660.042	8660.042	8660.042	92
Levelling feet	4 pc(s).	4612.000	4612.000	4612.000	98
Side panels, screw-fastened, sheet steel	2 pc(s).	8115.245	8115.245	8115.245	104
Divider panel	1 pc(s).	-	-	-	
Divider panel for module plates	1 pc(s).	-	-	-	
Baying bracket, internal	6 pc(s).	8617.500	8617.500	8617.500	114
Baying block, internal	6 pc(s).	8617.501	8617.501	8617.501	114
Baying connector, external	6 pc(s).	8617.502	8617.502	8617.502	114
Glazed door	1 pc(s).	-	-	-	
Comfort handle VX for lock inserts	1 pc(s).	8618.200	8618.200	8618.200	130
Comfort handle VX for lock inserts and padlock	1 pc(s).	8618.230	8618.230	8618.230	130
Comfort handle VX for profile half-cylinders	1 pc(s).	8618.250	8618.250	8618.250	130
Comfort handle with security lock insert, lock E1	1 pc(s).	8618.240	8618.240	8618.240	130
Comfort handle VX for ASSA lock system	1 pc(s).	8618.270	8618.270	8618.270	130
Lock inserts		see page	see page	see page	131
180° hinges	4 pc(s).	8618.330	8618.330	8618.330	121
Punched section with mounting flange, 14 x 39 mm, or tubular door frame	4 pc(s).	8619.720	8619.730	8619.720	136
Wiring plan pocket, sheet steel, depth 35 mm	1 pc(s).	4116.500	4118.500	4116.500	137
Wiring plan pocket, sheet steel, depth 90 mm	1 pc(s).	4116.000	4118.000	4116.000	137
Door stay for escape routes	1 pc(s).	8618.425	8618.425	8618.425	138
Ride-up roller	10 pc(s).	8618.420	8618.420	8618.420	138
Mounting plate infill	1 pc(s).	-	-	-	
Punched section with mounting flange 18 x 64 mm for the outer level, in the width	4 pc(s).	8617.030	8617.040	8617.060	166
Punched section with mounting flange 18 x 64 mm for the outer level, in the depth	4 pc(s).	8617.020	8617.020	8617.020	166
Punched section with mounting flange 23 x 64 mm for the inner level, in the width	4 pc(s).	8617.130	8617.140	8617.160	166
Punched section with mounting flange 23 x 64 mm for the inner level, in the depth	4 pc(s).	8617.120	8617.120	8617.120	166
Punched rail 18 x 39 mm for the enclosure depth	4 pc(s).	8617.710	8617.710	8617.710	168
Support strip for the enclosure depth	20 pc(s).	4695.000	4695.000	4695.000	168
C rail 30/15, for the enclosure width	6 pc(s).	4944.000	4945.000	4947.000	169
Support rail 48 x 26 mm, for the enclosure width	2 pc(s).	8617.800	8617.810	8617.830	169
LED system light		see page	see page	see page	179
Earth straps		see page	see page	see page	188
Cable entry plates		8619.800	8619.801	8619.803	200
	Packs of	2 pc(s).	2 pc(s).	4 pc(s).	
Cable entry grommets	8 cables, max. Ø 13 mm	25 pc(s).	4316.000	4316.000	200
	3 cables, max. Ø 21 mm	25 pc(s).	4317.000	4317.000	200
	1 cable, max. Ø 47 mm	25 pc(s).	4318.000	4318.000	200
Connector grommets	10 pc(s).	4311.000	4311.000	4311.000	200
Section for cable entry, centre		8618.800	8618.801	8618.803	201
	Packs of	2 pc(s).	2 pc(s).	4 pc(s).	
Section for cable entry, rear		8618.810	8618.811	8618.813	201
	Packs of	2 pc(s).	2 pc(s).	4 pc(s).	
Cable duct		see page	see page	see page	205
Cable clamp rail, right angle section	2 pc(s).	8619.410	8619.420	8619.440	206

# Baying enclosure system VX25

## Basic enclosure, height 1400 mm, depth 500 mm

Width (B) mm	Packs of	600	800	1200	Page
Height (H) mm		1400	1400	1400	
Depth (T) mm		500	500	500	
Mounting plate width (F) mm		499	699	1099	
Mounting plate height (G) mm		1296	1296	1296	
<b>Model No.</b>	1 pc(s).	<b>8645.000</b>	<b>8845.000</b>	<b>8245.000</b>	
Weight, approx. kg		73.8	92.2	141.0	
<b>Product-specific scope of supply</b>					
Door(s)		1	1	2	
<b>Accessories</b>					
Base/plinth corner pieces with base/plinth trim panel, front and rear, 100 mm	2 pc(s).	8660.002	8660.003	8660.007	91
Base/plinth trim panels, sides, 100 mm	2 pc(s).	8660.032	8660.032	8660.032	92
Base/plinth corner pieces with base/plinth trim panel, front and rear, 200 mm	2 pc(s).	8660.022	8660.023	8660.025	91
Base/plinth trim panels, sides, 200 mm	2 pc(s).	8660.042	8660.042	8660.042	92
Levelling feet	4 pc(s).	4612.000	4612.000	4612.000	98
Side panels, screw-fastened, sheet steel	2 pc(s).	8145.245	8145.245	8145.245	104
Divider panel	1 pc(s).	–	–	–	
Divider panel for module plates	1 pc(s).	–	–	–	
Baying bracket, internal	6 pc(s).	8617.500	8617.500	8617.500	114
Baying block, internal	6 pc(s).	8617.501	8617.501	8617.501	114
Baying connector, external	6 pc(s).	8617.502	8617.502	8617.502	114
Glazed door	1 pc(s).	–	–	–	
Comfort handle VX for lock inserts	1 pc(s).	8618.200	8618.200	8618.200	130
Comfort handle VX for lock inserts and padlock	1 pc(s).	8618.230	8618.230	8618.230	130
Comfort handle VX for profile half-cylinders	1 pc(s).	8618.250	8618.250	8618.250	130
Comfort handle with security lock insert, lock E1	1 pc(s).	8618.240	8618.240	8618.240	130
Comfort handle VX for ASSA lock system	1 pc(s).	8618.270	8618.270	8618.270	130
Lock inserts		see page	see page	see page	131
180° hinges	4 pc(s).	8618.330	8618.330	8618.330	121
Punched section with mounting flange, 14 x 39 mm, for tubular door frame	4 pc(s).	8619.720	8619.730	8619.720	136
Wiring plan pocket, sheet steel, depth 35 mm	1 pc(s).	4116.500	4118.500	4116.500	137
Wiring plan pocket, sheet steel, depth 90 mm	1 pc(s).	4116.000	4118.000	4116.000	137
Door stay for escape routes	1 pc(s).	8618.425	8618.425	8618.425	138
Ride-up roller	10 pc(s).	8618.420	8618.420	8618.420	138
Mounting plate infill	1 pc(s).	–	–	–	
Punched section with mounting flange 18 x 64 mm for the outer level, in the width	4 pc(s).	8617.030	8617.040	8617.060	166
Punched section with mounting flange 18 x 64 mm for the outer level, in the depth	4 pc(s).	8617.020	8617.020	8617.020	166
Punched section with mounting flange 23 x 64 mm for the inner level, in the width	4 pc(s).	8617.130	8617.140	8617.160	166
Punched section with mounting flange 23 x 64 mm for the inner level, in the depth	4 pc(s).	8617.120	8617.120	8617.120	166
Punched rail 18 x 39 mm for the enclosure depth	4 pc(s).	8617.710	8617.710	8617.710	168
Support strip for the enclosure depth	20 pc(s).	4695.000	4695.000	4695.000	168
C rail 30/15, for the enclosure width	6 pc(s).	4944.000	4945.000	4947.000	169
Support rail 48 x 26 mm, for the enclosure width	2 pc(s).	8617.800	8617.810	8617.830	169
LED system light		see page	see page	see page	179
Earth straps		see page	see page	see page	188
Cable entry plates		8619.800	8619.801	8619.803	200
	Packs of	2 pc(s).	2 pc(s).	4 pc(s).	
Cable entry grommets	8 cables, max. Ø 13 mm	25 pc(s).	4316.000	4316.000	200
	3 cables, max. Ø 21 mm	25 pc(s).	4317.000	4317.000	200
	1 cable, max. Ø 47 mm	25 pc(s).	4318.000	4318.000	200
Connector grommets	10 pc(s).	4311.000	4311.000	4311.000	200
Section for cable entry, centre		8618.800	8618.801	8618.803	201
	Packs of	2 pc(s).	2 pc(s).	4 pc(s).	
Section for cable entry, rear		8618.810	8618.811	8618.813	201
	Packs of	2 pc(s).	2 pc(s).	4 pc(s).	
Cable duct		see page	see page	see page	205
Cable clamp rail, right angle section	2 pc(s).	8619.410	8619.420	8619.440	206



# Baying enclosure system VX25

## Basic enclosure, height 1600 mm, depth 500 mm

Width (B) mm	Packs of	600	800	1200	Page
Height (H) mm		1600	1600	1600	
Depth (T) mm		500	500	500	
Mounting plate width (F) mm		499	699	1099	
Mounting plate height (G) mm		1496	1496	1496	
<b>Model No.</b>	1 pc(s).	<b>8665.000</b>	<b>8865.000</b>	<b>8265.000</b>	
Weight, approx. kg		81.9	102.0	156.0	
<b>Product-specific scope of supply</b>					
Door(s)		1	1	2	
<b>Accessories</b>					
Base/plinth corner pieces with base/plinth trim panel, front and rear, 100 mm	2 pc(s).	8660.002	8660.003	8660.007	91
Base/plinth trim panels, sides, 100 mm	2 pc(s).	8660.032	8660.032	8660.032	92
Base/plinth corner pieces with base/plinth trim panel, front and rear, 200 mm	2 pc(s).	8660.022	8660.023	8660.025	91
Base/plinth trim panels, sides, 200 mm	2 pc(s).	8660.042	8660.042	8660.042	92
Levelling feet	4 pc(s).	4612.000	4612.000	4612.000	98
Side panels, screw-fastened, sheet steel	2 pc(s).	8165.245	8165.245	8165.245	104
Divider panel	1 pc(s).	–	–	–	
Divider panel for module plates	1 pc(s).	–	–	–	
Baying bracket, internal	6 pc(s).	8617.500	8617.500	8617.500	114
Baying block, internal	6 pc(s).	8617.501	8617.501	8617.501	114
Baying connector, external	6 pc(s).	8617.502	8617.502	8617.502	114
Glazed door	1 pc(s).	–	–	–	
Comfort handle VX for lock inserts	1 pc(s).	8618.200	8618.200	8618.200	130
Comfort handle VX for lock inserts and padlock	1 pc(s).	8618.230	8618.230	8618.230	130
Comfort handle VX for profile half-cylinders	1 pc(s).	8618.250	8618.250	8618.250	130
Comfort handle with security lock insert, lock E1	1 pc(s).	8618.240	8618.240	8618.240	130
Comfort handle VX for ASSA lock system	1 pc(s).	8618.270	8618.270	8618.270	130
Lock inserts		see page	see page	see page	131
180° hinges	4 pc(s).	8618.330	8618.330	8618.330	121
Punched section with mounting flange, 14 x 39 mm, for tubular door frame	4 pc(s).	8619.720	8619.730	8619.720	136
Wiring plan pocket, sheet steel, depth 35 mm	1 pc(s).	4116.500	4118.500	4116.500	137
Wiring plan pocket, sheet steel, depth 90 mm	1 pc(s).	4116.000	4118.000	4116.000	137
Door stay for escape routes	1 pc(s).	8618.425	8618.425	8618.425	138
Ride-up roller	10 pc(s).	8618.420	8618.420	8618.420	138
Mounting plate infill	1 pc(s).	–	–	–	
Punched section with mounting flange 18 x 64 mm for the outer level, in the width	4 pc(s).	8617.030	8617.040	8617.060	166
Punched section with mounting flange 18 x 64 mm for the outer level, in the depth	4 pc(s).	8617.020	8617.020	8617.020	166
Punched section with mounting flange 23 x 64 mm for the inner level, in the width	4 pc(s).	8617.130	8617.140	8617.160	166
Punched section with mounting flange 23 x 64 mm for the inner level, in the depth	4 pc(s).	8617.120	8617.120	8617.120	166
Punched rail 18 x 39 mm for the enclosure depth	4 pc(s).	8617.710	8617.710	8617.710	168
Support strip for the enclosure depth	20 pc(s).	4695.000	4695.000	4695.000	168
C rail 30/15, for the enclosure width	6 pc(s).	4944.000	4945.000	4947.000	169
Support rail 48 x 26 mm, for the enclosure width	2 pc(s).	8617.800	8617.810	8617.830	169
LED system light		see page	see page	see page	179
Earth straps		see page	see page	see page	188
Cable entry plates		8619.800	8619.801	8619.803	200
	Packs of	2 pc(s).	2 pc(s).	4 pc(s).	
Cable entry grommets	8 cables, max. Ø 13 mm	25 pc(s).	4316.000	4316.000	200
	3 cables, max. Ø 21 mm	25 pc(s).	4317.000	4317.000	200
	1 cable, max. Ø 47 mm	25 pc(s).	4318.000	4318.000	200
Connector grommets	10 pc(s).	4311.000	4311.000	4311.000	200
Section for cable entry, centre		8618.800	8618.801	8618.803	201
	Packs of	2 pc(s).	2 pc(s).	4 pc(s).	
Section for cable entry, rear		8618.810	8618.811	8618.813	201
	Packs of	2 pc(s).	2 pc(s).	4 pc(s).	
Cable duct		see page	see page	see page	205
Cable clamp rail, right angle section	2 pc(s).	8619.410	8619.420	8619.440	206

# Baying enclosure system VX25

## Basic enclosure, height 1800 mm, depth 400 mm

Width (B) mm	Packs of	600	800	1000	1000	1200	Page
Height (H) mm		1800	1800	1800	1800	1800	
Depth (T) mm		400	400	400	400	400	
Mounting plate width (F) mm		499	699	899	899	1099	
Mounting plate height (G) mm		1696	1696	1696	1696	1696	
<b>Model No.</b>	1 pc(s).	<b>8684.000</b>	<b>8884.000</b>	<b>8080.000</b>	<b>8084.000</b>	<b>8284.000</b>	
Weight, approx. kg		86.9	109.0	138.0	133.0	166.0	
<b>Product-specific scope of supply</b>							
Door(s)		1	1	2	1	2	
<b>Accessories</b>							
Base/plinth corner pieces with base/plinth trim panel, front and rear, 100 mm	2 pc(s).	8660.002	8660.003	8660.005	8660.005	8660.007	91
Base/plinth trim panels, sides, 100 mm	2 pc(s).	8660.031	8660.031	8660.031	8660.031	8660.031	92
Base/plinth corner pieces with base/plinth trim panel, front and rear, 200 mm	2 pc(s).	8660.022	8660.023	8660.024	8660.024	8660.025	91
Base/plinth trim panels, sides, 200 mm	2 pc(s).	8660.041	8660.041	8660.041	8660.041	8660.041	92
Levelling feet	4 pc(s).	4612.000	4612.000	4612.000	4612.000	4612.000	98
Side panels, screw-fastened, sheet steel	2 pc(s).	8184.245	8184.245	8184.245	8184.245	8184.245	104
Divider panel	1 pc(s).	8609.200	8609.200	8609.200	8609.200	8609.200	106
Divider panel for module plates	1 pc(s).	–	–	–	–	–	
Baying bracket, internal	6 pc(s).	8617.500	8617.500	8617.500	8617.500	8617.500	114
Baying block, internal	6 pc(s).	8617.501	8617.501	8617.501	8617.501	8617.501	114
Baying connector, external	6 pc(s).	8617.502	8617.502	8617.502	8617.502	8617.502	114
Glazed door	1 pc(s).	8618.000	8618.010	–	–	–	120
Comfort handle VX for lock inserts	1 pc(s).	8618.200	8618.200	8618.200	8618.200	8618.200	130
Comfort handle VX for lock inserts and padlock	1 pc(s).	8618.230	8618.230	8618.230	8618.230	8618.230	130
Comfort handle VX for profile half-cylinders	1 pc(s).	8618.250	8618.250	8618.250	8618.250	8618.250	130
Comfort handle with security lock insert, lock E1	1 pc(s).	8618.240	8618.240	8618.240	8618.240	8618.240	130
Comfort handle VX for ASSA lock system	1 pc(s).	8618.270	8618.270	8618.270	8618.270	8618.270	130
Lock inserts		see page	see page	see page	see page	see page	131
180° hinges	4 pc(s).	8618.330	8618.330	8618.330	8618.330	8618.330	121
Punched section with mounting flange, 14 x 39 mm, for tubular door frame	4 pc(s).	8619.720	8619.730	8619.710	8619.750	8619.720	136
Wiring plan pocket, sheet steel, depth 35 mm	1 pc(s).	4116.500	4118.500	4115.500	–	4116.500	137
Wiring plan pocket, sheet steel, depth 90 mm	1 pc(s).	4116.000	4118.000	4115.000	4124.000	4116.000	137
Door stay for escape routes	1 pc(s).	8618.425	8618.425	8618.425	8618.425	8618.425	138
Ride-up roller	10 pc(s).	8618.420	8618.420	8618.420	8618.420	8618.420	138
Mounting plate infill	1 pc(s).	4590.700	4590.700	4590.700	4590.700	4590.700	153
Punched section with mounting flange 18 x 64 mm for the outer level, in the width	4 pc(s).	8617.030	8617.040	8617.050	8617.050	8617.060	166
Punched section with mounting flange 18 x 64 mm for the outer level, in the depth	4 pc(s).	8617.010	8617.010	8617.010	8617.010	8617.010	166
Punched section with mounting flange 23 x 64 mm for the inner level, in the width	4 pc(s).	8617.130	8617.140	8617.150	8617.150	8617.160	166
Punched section with mounting flange 23 x 64 mm for the inner level, in the depth	4 pc(s).	8617.110	8617.110	8617.110	8617.110	8617.110	166
Punched rail 18 x 39 mm for the enclosure depth	4 pc(s).	8617.700	8617.700	8617.700	8617.700	8617.700	168
Support strip for the enclosure depth	20 pc(s).	4694.000	4694.000	4694.000	4694.000	4694.000	168
C rail 30/15, for the enclosure width	6 pc(s).	4944.000	4945.000	4946.000	4946.000	4947.000	169
Support rail 48 x 26 mm, for the enclosure width	2 pc(s).	8617.800	8617.810	8617.820	8617.820	8617.830	169
LED system light		see page	see page	see page	see page	see page	179
Earth straps		see page	see page	see page	see page	see page	188
Cable entry plates		8619.800	8619.801	8619.802	8619.802	8619.803	200
	Packs of	2 pc(s).	2 pc(s).	4 pc(s).	4 pc(s).	4 pc(s).	
Cable entry grommets	8 cables, max. Ø 13 mm	25 pc(s).	4316.000	4316.000	4316.000	4316.000	200
	3 cables, max. Ø 21 mm	25 pc(s).	4317.000	4317.000	4317.000	4317.000	200
	1 cable, max. Ø 47 mm	25 pc(s).	4318.000	4318.000	4318.000	4318.000	200
Connector grommets	10 pc(s).	4311.000	4311.000	4311.000	4311.000	4311.000	200
Section for cable entry, centre		8618.800	8618.801	8618.802	8618.802	8618.803	201
	Packs of	2 pc(s).	2 pc(s).	4 pc(s).	4 pc(s).	4 pc(s).	
Section for cable entry, rear		8618.810	8618.811	8618.812	8618.812	8618.813	201
	Packs of	2 pc(s).	2 pc(s).	4 pc(s).	4 pc(s).	4 pc(s).	
Cable duct		see page	see page	see page	see page	see page	205
Cable clamp rail, right angle section	2 pc(s).	8619.410	8619.420	8619.430	8619.430	8619.440	206

# Baying enclosure system VX25

## Basic enclosure, height 1800 mm, depth 500 mm

Width (B) mm	Packs of	400	600	800	800	1200	Page
Height (H) mm		1800	1800	1800	1800	1800	
Depth (T) mm		500	500	500	500	500	
Mounting plate width (F) mm		299	499	699	699	1099	
Mounting plate height (G) mm		1696	1696	1696	1696	1696	
<b>Model No.</b>	1 pc(s).	<b>8485.000</b>	<b>8685.000</b>	<b>8880.000</b>	<b>8885.000</b>	<b>8285.000</b>	
Weight, approx. kg		66.4	90.0	119.0	113.5	173.0	
<b>Product-specific scope of supply</b>							
Door(s)		1	1	2	1	2	
<b>Accessories</b>							
Base/plinth corner pieces with base/plinth trim panel, front and rear, 100 mm	2 pc(s).	8660.001	8660.002	8660.003	8660.003	8660.007	91
Base/plinth trim panels, sides, 100 mm	2 pc(s).	8660.032	8660.032	8660.032	8660.032	8660.032	92
Base/plinth corner pieces with base/plinth trim panel, front and rear, 200 mm	2 pc(s).	8660.021	8660.022	8660.023	8660.023	8660.025	91
Base/plinth trim panels, sides, 200 mm	2 pc(s).	8660.042	8660.042	8660.042	8660.042	8660.042	92
Levelling feet	4 pc(s).	4612.000	4612.000	4612.000	4612.000	4612.000	98
Side panels, screw-fastened, sheet steel	2 pc(s).	8185.245	8185.245	8185.245	8185.245	8185.245	104
Divider panel	1 pc(s).	8609.201	8609.201	8609.201	8609.201	8609.201	106
Divider panel for module plates	1 pc(s).	8609.210	8609.210	8609.210	8609.210	8609.210	107
Baying bracket, internal	6 pc(s).	8617.500	8617.500	8617.500	8617.500	8617.500	114
Baying block, internal	6 pc(s).	8617.501	8617.501	8617.501	8617.501	8617.501	114
Baying connector, external	6 pc(s).	8617.502	8617.502	8617.502	8617.502	8617.502	114
Glazed door	1 pc(s).	–	8618.000	–	8618.010	–	120
Comfort handle VX for lock inserts	1 pc(s).	8618.200	8618.200	8618.200	8618.200	8618.200	130
Comfort handle VX for lock inserts and padlock	1 pc(s).	8618.230	8618.230	8618.230	8618.230	8618.230	130
Comfort handle VX for profile half-cylinders	1 pc(s).	8618.250	8618.250	8618.250	8618.250	8618.250	130
Comfort handle with security lock insert, lock E1	1 pc(s).	8618.240	8618.240	8618.240	8618.240	8618.240	130
Comfort handle VX for ASSA lock system	1 pc(s).	8618.270	8618.270	8618.270	8618.270	8618.270	130
Lock inserts		see page	see page	see page	see page	see page	131
180° hinges	4 pc(s).	8618.330	8618.330	8618.330	8618.330	8618.330	121
Punched section with mounting flange, 14 x 39 mm, for tubular door frame	4 pc(s).	8619.700	8619.720	8619.700	8619.730	8619.720	136
Wiring plan pocket, sheet steel, depth 35 mm	1 pc(s).	–	4116.500	–	4118.500	4116.500	137
Wiring plan pocket, sheet steel, depth 90 mm	1 pc(s).	4114.000	4116.000	4114.000	4118.000	4116.000	137
Door stay for escape routes	1 pc(s).	8618.425	8618.425	8618.425	8618.425	8618.425	138
Ride-up roller	10 pc(s).	8618.420	8618.420	8618.420	8618.420	8618.420	138
Mounting plate infill	1 pc(s).	4590.700	4590.700	4590.700	4590.700	4590.700	153
Punched section with mounting flange 18 x 64 mm for the outer level, in the width	4 pc(s).	8617.010	8617.030	8617.040	8617.040	8617.060	166
Punched section with mounting flange 18 x 64 mm for the outer level, in the depth	4 pc(s).	8617.020	8617.020	8617.020	8617.020	8617.020	166
Punched section with mounting flange 23 x 64 mm for the inner level, in the width	4 pc(s).	8617.110	8617.130	8617.140	8617.140	8617.160	166
Punched section with mounting flange 23 x 64 mm for the inner level, in the depth	4 pc(s).	8617.120	8617.120	8617.120	8617.120	8617.120	166
Punched rail 18 x 39 mm for the enclosure depth	4 pc(s).	8617.710	8617.710	8617.710	8617.710	8617.710	168
Support strip for the enclosure depth	20 pc(s).	4695.000	4695.000	4695.000	4695.000	4695.000	168
C rail 30/15, for the enclosure width	6 pc(s).	–	4944.000	4945.000	4945.000	4947.000	169
Support rail 48 x 26 mm, for the enclosure width	2 pc(s).	–	8617.800	8617.810	8617.810	8617.830	169
LED system light		see page	see page	see page	see page	see page	179
Earth straps		see page	see page	see page	see page	see page	188
Cable entry plates		–	8619.800	8619.801	8619.801	8619.803	200
	Packs of	–	2 pc(s).	2 pc(s).	2 pc(s).	4 pc(s).	
Cable entry grommets	8 cables, max. Ø 13 mm	25 pc(s).	4316.000	4316.000	4316.000	4316.000	200
	3 cables, max. Ø 21 mm	25 pc(s).	4317.000	4317.000	4317.000	4317.000	200
	1 cable, max. Ø 47 mm	25 pc(s).	4318.000	4318.000	4318.000	4318.000	200
Connector grommets	10 pc(s).	4311.000	4311.000	4311.000	4311.000	4311.000	200
Section for cable entry, centre		–	8618.800	8618.801	8618.801	8618.803	201
	Packs of	–	2 pc(s).	2 pc(s).	2 pc(s).	4 pc(s).	
Section for cable entry, rear		–	8618.810	8618.811	8618.811	8618.813	201
	Packs of	–	2 pc(s).	2 pc(s).	2 pc(s).	4 pc(s).	
Cable duct		see page	see page	see page	see page	see page	205
Cable clamp rail, right angle section	2 pc(s).	8619.400	8619.410	8619.420	8619.420	8619.440	206

# Baying enclosure system VX25

Basic enclosure, height 1800 mm, depth 600 mm

Width (B) mm	Packs of	400	600	800	800	1200	Page
Height (H) mm		1800	1800	1800	1800	1800	
Depth (T) mm		600	600	600	600	600	
Mounting plate width (F) mm		299	499	699	699	1099	
Mounting plate height (G) mm		1696	1696	1696	1696	1696	
<b>Model No.</b>	1 pc(s).	<b>8486.000</b>	<b>8686.000</b>	<b>8881.000</b>	<b>8886.000</b>	<b>8286.000</b>	
Weight, approx. kg		69.6	92.3	121.0	116.0	174.0	
<b>Product-specific scope of supply</b>							
Door(s)		1	1	2	1	2	
<b>Accessories</b>							
Base/plinth corner pieces with base/plinth trim panel, front and rear, 100 mm	2 pc(s).	8660.001	8660.002	8660.003	8660.003	8660.007	91
Base/plinth trim panels, sides, 100 mm	2 pc(s).	8660.033	8660.033	8660.033	8660.033	8660.033	92
Base/plinth corner pieces with base/plinth trim panel, front and rear, 200 mm	2 pc(s).	8660.021	8660.022	8660.023	8660.023	8660.025	91
Base/plinth trim panels, sides, 200 mm	2 pc(s).	8660.043	8660.043	8660.043	8660.043	8660.043	92
Levelling feet	4 pc(s).	4612.000	4612.000	4612.000	4612.000	4612.000	98
Side panels, screw-fastened, sheet steel	2 pc(s).	8186.245	8186.245	8186.245	8186.245	8186.245	104
Divider panel	1 pc(s).	8609.202	8609.202	8609.202	8609.202	8609.202	106
Divider panel for module plates	1 pc(s).	8609.211	8609.211	8609.211	8609.211	8609.211	107
Baying bracket, internal	6 pc(s).	8617.500	8617.500	8617.500	8617.500	8617.500	114
Baying block, internal	6 pc(s).	8617.501	8617.501	8617.501	8617.501	8617.501	114
Baying connector, external	6 pc(s).	8617.502	8617.502	8617.502	8617.502	8617.502	114
Glazed door	1 pc(s).	–	8618.000	–	8618.010	–	120
Comfort handle VX for lock inserts	1 pc(s).	8618.200	8618.200	8618.200	8618.200	8618.200	130
Comfort handle VX for lock inserts and padlock	1 pc(s).	8618.230	8618.230	8618.230	8618.230	8618.230	130
Comfort handle VX for profile half-cylinders	1 pc(s).	8618.250	8618.250	8618.250	8618.250	8618.250	130
Comfort handle with security lock insert, lock E1	1 pc(s).	8618.240	8618.240	8618.240	8618.240	8618.240	130
Comfort handle VX for ASSA lock system	1 pc(s).	8618.270	8618.270	8618.270	8618.270	8618.270	130
Lock inserts		see page	see page	see page	see page	see page	131
180° hinges	4 pc(s).	8618.330	8618.330	8618.330	8618.330	8618.330	121
Punched section with mounting flange, 14 x 39 mm, for tubular door frame	4 pc(s).	8619.700	8619.720	8619.700	8619.730	8619.720	136
Wiring plan pocket, sheet steel, depth 35 mm	1 pc(s).	–	4116.500	–	4118.500	4116.500	137
Wiring plan pocket, sheet steel, depth 90 mm	1 pc(s).	4114.000	4116.000	4114.000	4118.000	4116.000	137
Door stay for escape routes	1 pc(s).	8618.425	8618.425	8618.425	8618.425	8618.425	138
Ride-up roller	10 pc(s).	8618.420	8618.420	8618.420	8618.420	8618.420	138
Mounting plate infill	1 pc(s).	4590.700	4590.700	4590.700	4590.700	4590.700	153
Punched section with mounting flange 18 x 64 mm for the outer level, in the width	4 pc(s).	8617.010	8617.030	8617.040	8617.040	8617.060	166
Punched section with mounting flange 18 x 64 mm for the outer level, in the depth	4 pc(s).	8617.030	8617.030	8617.030	8617.030	8617.030	166
Punched section with mounting flange 23 x 64 mm for the inner level, in the width	4 pc(s).	8617.110	8617.130	8617.140	8617.140	8617.160	166
Punched section with mounting flange 23 x 64 mm for the inner level, in the depth	4 pc(s).	8617.130	8617.130	8617.130	8617.130	8617.130	166
Punched rail 18 x 39 mm for the enclosure depth	4 pc(s).	8617.720	8617.720	8617.720	8617.720	8617.720	168
Support strip for the enclosure depth	20 pc(s).	4696.000	4696.000	4696.000	4696.000	4696.000	168
C rail 30/15, for the enclosure width	6 pc(s).	–	4944.000	4945.000	4945.000	4947.000	169
Support rail 48 x 26 mm, for the enclosure width	2 pc(s).	–	8617.800	8617.810	8617.810	8617.830	169
LED system light		see page	see page	see page	see page	see page	179
Earth straps		see page	see page	see page	see page	see page	188
Cable entry plates		–	8619.800	8619.801	8619.801	8619.803	200
	Packs of	–	2 pc(s).	2 pc(s).	2 pc(s).	4 pc(s).	
Cable entry grommets	8 cables, max. Ø 13 mm	25 pc(s).	4316.000	4316.000	4316.000	4316.000	200
	3 cables, max. Ø 21 mm	25 pc(s).	4317.000	4317.000	4317.000	4317.000	200
	1 cable, max. Ø 47 mm	25 pc(s).	4318.000	4318.000	4318.000	4318.000	200
Connector grommets	10 pc(s).	4311.000	4311.000	4311.000	4311.000	4311.000	200
Section for cable entry, centre		–	8618.800	8618.801	8618.801	8618.803	201
	Packs of	–	2 pc(s).	2 pc(s).	2 pc(s).	4 pc(s).	
Section for cable entry, rear		–	8618.810	8618.811	8618.811	8618.813	201
	Packs of	–	2 pc(s).	2 pc(s).	2 pc(s).	4 pc(s).	
Cable duct		see page	see page	see page	see page	see page	205
Cable clamp rail, right angle section	2 pc(s).	8619.400	8619.410	8619.420	8619.420	8619.440	206

# Baying enclosure system VX25

## Basic enclosure, height 2000 mm, depth 400 mm

Width (B) mm	Packs of	600	800	1000	1200	Page
Height (H) mm		2000	2000	2000	2000	
Depth (T) mm		400	400	400	400	
Mounting plate width (F) mm		499	699	899	1099	
Mounting plate height (G) mm		1896	1896	1896	1896	
<b>Model No.</b>	1 pc(s).	<b>8604.000</b>	<b>8804.000</b>	<b>8004.000</b>	<b>8204.000</b>	
Weight, approx. kg		95.4	120.0	152.0	183.0	
<b>Product-specific scope of supply</b>						
Door(s)		1	1	2	2	
<b>Accessories</b>						
Base/plinth corner pieces with base/plinth trim panel, front and rear, 100 mm	2 pc(s).	8660.002	8660.003	8660.005	8660.007	91
Base/plinth trim panels, sides, 100 mm	2 pc(s).	8660.031	8660.031	8660.031	8660.031	92
Base/plinth corner pieces with base/plinth trim panel, front and rear, 200 mm	2 pc(s).	8660.022	8660.023	8660.024	8660.025	91
Base/plinth trim panels, sides, 200 mm	2 pc(s).	8660.041	8660.041	8660.041	8660.041	92
Levelling feet	4 pc(s).	4612.000	4612.000	4612.000	4612.000	98
Side panels, screw-fastened, sheet steel	2 pc(s).	8104.245	8104.245	8104.245	8104.245	104
Divider panel	1 pc(s).	8609.203	8609.203	8609.203	8609.203	106
Divider panel for module plates	1 pc(s).	–	–	–	–	
Baying bracket, internal	6 pc(s).	8617.500	8617.500	8617.500	8617.500	114
Baying block, internal	6 pc(s).	8617.501	8617.501	8617.501	8617.501	114
Baying connector, external	6 pc(s).	8617.502	8617.502	8617.502	8617.502	114
Glazed door	1 pc(s).	8618.020	8618.030	–	–	120
Comfort handle VX for lock inserts	1 pc(s).	8618.200	8618.200	8618.200	8618.200	130
Comfort handle VX for lock inserts and padlock	1 pc(s).	8618.230	8618.230	8618.230	8618.230	130
Comfort handle VX for profile half-cylinders	1 pc(s).	8618.250	8618.250	8618.250	8618.250	130
Comfort handle with security lock insert, lock E1	1 pc(s).	8618.240	8618.240	8618.240	8618.240	130
Comfort handle VX for ASSA lock system	1 pc(s).	8618.270	8618.270	8618.270	8618.270	130
Lock inserts		see page	see page	see page	see page	131
180° hinges	4 pc(s).	8618.330	8618.330	8618.330	8618.330	121
Punched section with mounting flange, 14 x 39 mm, for tubular door frame	4 pc(s).	8619.720	8619.730	8619.710	8619.720	136
Wiring plan pocket, sheet steel, depth 35 mm	1 pc(s).	4116.500	4118.500	4115.500	4116.500	137
Wiring plan pocket, sheet steel, depth 90 mm	1 pc(s).	4116.000	4118.000	4115.000	4116.000	137
Door stay for escape routes	1 pc(s).	8618.425	8618.425	8618.425	8618.425	138
Ride-up roller	10 pc(s).	8618.420	8618.420	8618.420	8618.420	138
Mounting plate infill	1 pc(s).	4591.700	4591.700	4591.700	4591.700	153
Punched section with mounting flange 18 x 64 mm for the outer level, in the width	4 pc(s).	8617.030	8617.040	8617.050	8617.060	166
Punched section with mounting flange 18 x 64 mm for the outer level, in the depth	4 pc(s).	8617.010	8617.010	8617.010	8617.010	166
Punched section with mounting flange 23 x 64 mm for the inner level, in the width	4 pc(s).	8617.130	8617.140	8617.150	8617.160	166
Punched section with mounting flange 23 x 64 mm for the inner level, in the depth	4 pc(s).	8617.110	8617.110	8617.110	8617.110	166
Punched rail 18 x 39 mm for the enclosure depth	4 pc(s).	8617.700	8617.700	8617.700	8617.700	168
Support strip for the enclosure depth	20 pc(s).	4694.000	4694.000	4694.000	4694.000	168
C rail 30/15, for the enclosure width	6 pc(s).	4944.000	4945.000	4946.000	4947.000	169
Support rail 48 x 26 mm, for the enclosure width	2 pc(s).	8617.800	8617.810	8617.820	8617.830	169
LED system light		see page	see page	see page	see page	179
Earth straps		see page	see page	see page	see page	188
Cable entry plates		8619.800	8619.801	8619.802	8619.803	200
	Packs of	2 pc(s).	2 pc(s).	4 pc(s).	4 pc(s).	
Cable entry grommets	8 cables, max. Ø 13 mm	25 pc(s).	4316.000	4316.000	4316.000	200
	3 cables, max. Ø 21 mm	25 pc(s).	4317.000	4317.000	4317.000	200
	1 cable, max. Ø 47 mm	25 pc(s).	4318.000	4318.000	4318.000	200
Connector grommets	10 pc(s).	4311.000	4311.000	4311.000	4311.000	200
Section for cable entry, centre		8618.800	8618.801	8618.802	8618.803	201
	Packs of	2 pc(s).	2 pc(s).	4 pc(s).	4 pc(s).	
Section for cable entry, rear		8618.810	8618.811	8618.812	8618.813	201
	Packs of	2 pc(s).	2 pc(s).	4 pc(s).	4 pc(s).	
Cable duct		see page	see page	see page	see page	205
Cable clamp rail, right angle section	2 pc(s).	8619.410	8619.420	8619.430	8619.440	206

# Baying enclosure system VX25

## Basic enclosure, height 2000 mm, depth 500 mm

Width (B) mm	Packs of	400	600	800	1000	1200	Page
Height (H) mm		2000	2000	2000	2000	2000	
Depth (T) mm		500	500	500	500	500	
Mounting plate width (F) mm		299	499	699	899	1099	
Mounting plate height (G) mm		1896	1896	1896	1896	1896	
<b>Model No.</b>	1 pc(s).	<b>8405.000</b>	<b>8605.000</b>	<b>8805.000</b>	<b>8005.000</b>	<b>8205.000</b>	
Weight, approx. kg		73.0	98.0	122.0	156.0	187.0	
<b>Product-specific scope of supply</b>							
Door(s)		1	1	1	2	2	
<b>Accessories</b>							
Base/plinth corner pieces with base/plinth trim panel, front and rear, 100 mm	2 pc(s).	8660.001	8660.002	8660.003	8660.005	8660.007	91
Base/plinth trim panels, sides, 100 mm	2 pc(s).	8660.032	8660.032	8660.032	8660.032	8660.032	92
Base/plinth corner pieces with base/plinth trim panel, front and rear, 200 mm	2 pc(s).	8660.021	8660.022	8660.023	8660.024	8660.025	91
Base/plinth trim panels, sides, 200 mm	2 pc(s).	8660.042	8660.042	8660.042	8660.042	8660.042	92
Levelling feet	4 pc(s).	4612.000	4612.000	4612.000	4612.000	4612.000	98
Side panels, screw-fastened, sheet steel	2 pc(s).	8105.245	8105.245	8105.245	8105.245	8105.245	104
Divider panel	1 pc(s).	8609.204	8609.204	8609.204	8609.204	8609.204	106
Divider panel for module plates	1 pc(s).	8609.212	8609.212	8609.212	8609.212	8609.212	107
Baying bracket, internal	6 pc(s).	8617.500	8617.500	8617.500	8617.500	8617.500	114
Baying block, internal	6 pc(s).	8617.501	8617.501	8617.501	8617.501	8617.501	114
Baying connector, external	6 pc(s).	8617.502	8617.502	8617.502	8617.502	8617.502	114
Glazed door	1 pc(s).	–	8618.020	8618.030	–	–	120
Comfort handle VX for lock inserts	1 pc(s).	8618.200	8618.200	8618.200	8618.200	8618.200	130
Comfort handle VX for lock inserts and padlock	1 pc(s).	8618.230	8618.230	8618.230	8618.230	8618.230	130
Comfort handle VX for profile half-cylinders	1 pc(s).	8618.250	8618.250	8618.250	8618.250	8618.250	130
Comfort handle with security lock insert, lock E1	1 pc(s).	8618.240	8618.240	8618.240	8618.240	8618.240	130
Comfort handle VX for ASSA lock system	1 pc(s).	8618.270	8618.270	8618.270	8618.270	8618.270	130
Lock inserts		see page	see page	see page	see page	see page	131
180° hinges	4 pc(s).	8618.330	8618.330	8618.330	8618.330	8618.330	121
Punched section with mounting flange, 14 x 39 mm, for tubular door frame	4 pc(s).	8619.700	8619.720	8619.730	8619.710	8619.720	136
Wiring plan pocket, sheet steel, depth 35 mm	1 pc(s).	–	4116.500	4118.500	4115.500	4116.500	137
Wiring plan pocket, sheet steel, depth 90 mm	1 pc(s).	4114.000	4116.000	4118.000	4115.000	4116.000	137
Door stay for escape routes	1 pc(s).	8618.425	8618.425	8618.425	8618.425	8618.425	138
Ride-up roller	10 pc(s).	8618.420	8618.420	8618.420	8618.420	8618.420	138
Mounting plate infill	1 pc(s).	4591.700	4591.700	4591.700	4591.700	4591.700	153
Punched section with mounting flange 18 x 64 mm for the outer level, in the width	4 pc(s).	8617.010	8617.030	8617.040	8617.050	8617.060	166
Punched section with mounting flange 18 x 64 mm for the outer level, in the depth	4 pc(s).	8617.020	8617.020	8617.020	8617.020	8617.020	166
Punched section with mounting flange 23 x 64 mm for the inner level, in the width	4 pc(s).	8617.110	8617.130	8617.140	8617.150	8617.160	166
Punched section with mounting flange 23 x 64 mm for the inner level, in the depth	4 pc(s).	8617.120	8617.120	8617.120	8617.120	8617.120	166
Punched rail 18 x 39 mm for the enclosure depth	4 pc(s).	8617.710	8617.710	8617.710	8617.710	8617.710	168
Support strip for the enclosure depth	20 pc(s).	4695.000	4695.000	4695.000	4695.000	4695.000	168
C rail 30/15, for the enclosure width	6 pc(s).	–	4944.000	4945.000	4946.000	4947.000	169
Support rail 48 x 26 mm, for the enclosure width	2 pc(s).	–	8617.800	8617.810	8617.820	8617.830	169
LED system light		see page	see page	see page	see page	see page	179
Earth straps		see page	see page	see page	see page	see page	188
Cable entry plates		–	8619.800	8619.801	8619.802	8619.803	200
Cable entry grommets	Packs of	–	2 pc(s).	2 pc(s).	4 pc(s).	4 pc(s).	
	8 cables, max. Ø 13 mm	25 pc(s).	4316.000	4316.000	4316.000	4316.000	200
	3 cables, max. Ø 21 mm	25 pc(s).	4317.000	4317.000	4317.000	4317.000	200
	1 cable, max. Ø 47 mm	25 pc(s).	4318.000	4318.000	4318.000	4318.000	200
Connector grommets	10 pc(s).	4311.000	4311.000	4311.000	4311.000	4311.000	200
Section for cable entry, centre		–	8618.800	8618.801	8618.802	8618.803	201
	Packs of	–	2 pc(s).	2 pc(s).	4 pc(s).	4 pc(s).	
Section for cable entry, rear		–	8618.810	8618.811	8618.812	8618.813	201
	Packs of	–	2 pc(s).	2 pc(s).	4 pc(s).	4 pc(s).	
Cable duct		see page	see page	see page	see page	see page	205
Cable clamp rail, right angle section	2 pc(s).	8619.400	8619.410	8619.420	8619.430	8619.440	206

# Baying enclosure system VX25

## Basic enclosure, height 2000 mm, depth 600 mm

Width (B) mm	Packs of	400	600	800	1000	1200	Page
Height (H) mm		2000	2000	2000	2000	2000	
Depth (T) mm		600	600	600	600	600	
Mounting plate width (F) mm		299	499	699	899	1099	
Mounting plate height (G) mm		1896	1896	1896	1896	1896	
<b>Model No.</b>	1 pc(s).	<b>8406.000</b>	<b>8606.000</b>	<b>8806.000</b>	<b>8006.000</b>	<b>8206.000</b>	
Weight, approx. kg		75.2	101.0	126.0	160.0	191.0	
<b>Product-specific scope of supply</b>							
Door(s)		1	1	1	2	2	
<b>Accessories</b>							
Base/plinth corner pieces with base/plinth trim panel, front and rear, 100 mm	2 pc(s).	8660.001	8660.002	8660.003	8660.005	8660.007	91
Base/plinth trim panels, sides, 100 mm	2 pc(s).	8660.033	8660.033	8660.033	8660.033	8660.033	92
Base/plinth corner pieces with base/plinth trim panel, front and rear, 200 mm	2 pc(s).	8660.021	8660.022	8660.023	8660.024	8660.025	91
Base/plinth trim panels, sides, 200 mm	2 pc(s).	8660.043	8660.043	8660.043	8660.043	8660.043	92
Levelling feet	4 pc(s).	4612.000	4612.000	4612.000	4612.000	4612.000	98
Side panels, screw-fastened, sheet steel	2 pc(s).	8106.245	8106.245	8106.245	8106.245	8106.245	104
Divider panel	1 pc(s).	8609.205	8609.205	8609.205	8609.205	8609.205	106
Divider panel for module plates	1 pc(s).	8609.213	8609.213	8609.213	8609.213	8609.213	107
Baying bracket, internal	6 pc(s).	8617.500	8617.500	8617.500	8617.500	8617.500	114
Baying block, internal	6 pc(s).	8617.501	8617.501	8617.501	8617.501	8617.501	114
Baying connector, external	6 pc(s).	8617.502	8617.502	8617.502	8617.502	8617.502	114
Glazed door	1 pc(s).	–	8618.020	8618.030	–	–	120
Comfort handle VX for lock inserts	1 pc(s).	8618.200	8618.200	8618.200	8618.200	8618.200	130
Comfort handle VX for lock inserts and padlock	1 pc(s).	8618.230	8618.230	8618.230	8618.230	8618.230	130
Comfort handle VX for profile half-cylinders	1 pc(s).	8618.250	8618.250	8618.250	8618.250	8618.250	130
Comfort handle with security lock insert, lock E1	1 pc(s).	8618.240	8618.240	8618.240	8618.240	8618.240	130
Comfort handle VX for ASSA lock system	1 pc(s).	8618.270	8618.270	8618.270	8618.270	8618.270	130
Lock inserts		see page	see page	see page	see page	see page	131
180° hinges	4 pc(s).	8618.330	8618.330	8618.330	8618.330	8618.330	121
Punched section with mounting flange, 14 x 39 mm, for tubular door frame	4 pc(s).	8619.700	8619.720	8619.730	8619.710	8619.720	136
Wiring plan pocket, sheet steel, depth 35 mm	1 pc(s).	–	4116.500	4118.500	4115.500	4116.500	137
Wiring plan pocket, sheet steel, depth 90 mm	1 pc(s).	4114.000	4116.000	4118.000	4115.000	4116.000	137
Door stay for escape routes	1 pc(s).	8618.425	8618.425	8618.425	8618.425	8618.425	138
Ride-up roller	10 pc(s).	8618.420	8618.420	8618.420	8618.420	8618.420	138
Mounting plate infill	1 pc(s).	4591.700	4591.700	4591.700	4591.700	4591.700	153
Punched section with mounting flange 18 x 64 mm for the outer level, in the width	4 pc(s).	8617.010	8617.030	8617.040	8617.050	8617.060	166
Punched section with mounting flange 18 x 64 mm for the outer level, in the depth	4 pc(s).	8617.030	8617.030	8617.030	8617.030	8617.030	166
Punched section with mounting flange 23 x 64 mm for the inner level, in the width	4 pc(s).	8617.110	8617.130	8617.140	8617.150	8617.160	166
Punched section with mounting flange 23 x 64 mm for the inner level, in the depth	4 pc(s).	8617.130	8617.130	8617.130	8617.130	8617.130	166
Punched rail 18 x 39 mm for the enclosure depth	4 pc(s).	8617.720	8617.720	8617.720	8617.720	8617.720	168
Support strip for the enclosure depth	20 pc(s).	4696.000	4696.000	4696.000	4696.000	4696.000	168
C rail 30/15, for the enclosure width	6 pc(s).	–	4944.000	4945.000	4946.000	4947.000	169
Support rail 48 x 26 mm, for the enclosure width	2 pc(s).	–	8617.800	8617.810	8617.820	8617.830	169
LED system light		see page	see page	see page	see page	see page	179
Earth straps		see page	see page	see page	see page	see page	188
Cable entry plates		–	8619.800	8619.801	8619.802	8619.803	200
	Packs of	–	2 pc(s).	2 pc(s).	4 pc(s).	4 pc(s).	
Cable entry grommets	8 cables, max. Ø 13 mm	25 pc(s).	4316.000	4316.000	4316.000	4316.000	200
	3 cables, max. Ø 21 mm	25 pc(s).	4317.000	4317.000	4317.000	4317.000	200
	1 cable, max. Ø 47 mm	25 pc(s).	4318.000	4318.000	4318.000	4318.000	200
Connector grommets	10 pc(s).	4311.000	4311.000	4311.000	4311.000	4311.000	200
Section for cable entry, centre		–	8618.800	8618.801	8618.802	8618.803	201
	Packs of	–	2 pc(s).	2 pc(s).	4 pc(s).	4 pc(s).	
Section for cable entry, rear		–	8618.810	8618.811	8618.812	8618.813	201
	Packs of	–	2 pc(s).	2 pc(s).	4 pc(s).	4 pc(s).	
Cable duct		see page	see page	see page	see page	see page	205
Cable clamp rail, right angle section	2 pc(s).	8619.400	8619.410	8619.420	8619.430	8619.440	206

# Baying enclosure system VX25

Basic enclosure, height 2000 mm, depth 800 mm

Width (B) mm	Packs of	600	800	1200	Page
Height (H) mm		2000	2000	2000	
Depth (T) mm		800	800	800	
Mounting plate width (F) mm		499	699	1099	
Mounting plate height (G) mm		1896	1896	1896	
<b>Model No.</b>	1 pc(s).	<b>8608.000</b>	<b>8808.000</b>	<b>8208.000</b>	
Weight, approx. kg		106.0	138.0	201.0	
<b>Product-specific scope of supply</b>					
Door(s)		1	1	2	
<b>Accessories</b>					
Base/plinth corner pieces with base/plinth trim panel, front and rear, 100 mm	2 pc(s).	8660.002	8660.003	8660.007	91
Base/plinth trim panels, sides, 100 mm	2 pc(s).	8660.034	8660.034	8660.034	92
Base/plinth corner pieces with base/plinth trim panel, front and rear, 200 mm	2 pc(s).	8660.022	8660.023	8660.025	91
Base/plinth trim panels, sides, 200 mm	2 pc(s).	8660.044	8660.044	8660.044	92
Levelling feet	4 pc(s).	4612.000	4612.000	4612.000	98
Side panels, screw-fastened, sheet steel	2 pc(s).	8108.245	8108.245	8108.245	104
Divider panel	1 pc(s).	8609.206	8609.206	8609.206	106
Divider panel for module plates	1 pc(s).	-	-	-	
Baying bracket, internal	6 pc(s).	8617.500	8617.500	8617.500	114
Baying block, internal	6 pc(s).	8617.501	8617.501	8617.501	114
Baying connector, external	6 pc(s).	8617.502	8617.502	8617.502	114
Glazed door	1 pc(s).	8618.020	8618.030	-	120
Comfort handle VX for lock inserts	1 pc(s).	8618.200	8618.200	8618.200	130
Comfort handle VX for lock inserts and padlock	1 pc(s).	8618.230	8618.230	8618.230	130
Comfort handle VX for profile half-cylinders	1 pc(s).	8618.250	8618.250	8618.250	130
Comfort handle with security lock insert, lock E1	1 pc(s).	8618.240	8618.240	8618.240	130
Comfort handle VX for ASSA lock system	1 pc(s).	8618.270	8618.270	8618.270	130
Lock inserts		see page	see page	see page	131
180° hinges	4 pc(s).	8618.330	8618.330	8618.330	121
Punched section with mounting flange, 14 x 39 mm, for tubular door frame	4 pc(s).	8619.720	8619.730	8619.720	136
Wiring plan pocket, sheet steel, depth 35 mm	1 pc(s).	4116.500	4118.500	4116.500	137
Wiring plan pocket, sheet steel, depth 90 mm	1 pc(s).	4116.000	4118.000	4116.000	137
Door stay for escape routes	1 pc(s).	8618.425	8618.425	8618.425	138
Ride-up roller	10 pc(s).	8618.420	8618.420	8618.420	138
Mounting plate infill	1 pc(s).	4591.700	4591.700	4591.700	153
Punched section with mounting flange 18 x 64 mm for the outer level, in the width	4 pc(s).	8617.030	8617.040	8617.060	166
Punched section with mounting flange 18 x 64 mm for the outer level, in the depth	4 pc(s).	8617.040	8617.040	8617.040	166
Punched section with mounting flange 23 x 64 mm for the inner level, in the width	4 pc(s).	8617.130	8617.140	8617.160	166
Punched section with mounting flange 23 x 64 mm for the inner level, in the depth	4 pc(s).	8617.140	8617.140	8617.140	166
Punched rail 18 x 39 mm for the enclosure depth	4 pc(s).	8617.730	8617.730	8617.730	168
Support strip for the enclosure depth	20 pc(s).	4697.000	4697.000	4697.000	168
C rail 30/15, for the enclosure width	6 pc(s).	4944.000	4945.000	4947.000	169
Support rail 48 x 26 mm, for the enclosure width	2 pc(s).	8617.800	8617.810	8617.830	169
LED system light		see page	see page	see page	179
Earth straps		see page	see page	see page	188
Cable entry plates		8619.800	8619.801	8619.803	200
	Packs of	2 pc(s).	2 pc(s).	4 pc(s).	
Cable entry grommets	8 cables, max. Ø 13 mm	25 pc(s).	4316.000	4316.000	200
	3 cables, max. Ø 21 mm	25 pc(s).	4317.000	4317.000	200
	1 cable, max. Ø 47 mm	25 pc(s).	4318.000	4318.000	200
Connector grommets	10 pc(s).	4311.000	4311.000	4311.000	200
Section for cable entry, centre		8618.800	8618.801	8618.803	201
	Packs of	2 pc(s).	2 pc(s).	4 pc(s).	
Section for cable entry, rear		8618.810	8618.811	8618.813	201
	Packs of	2 pc(s).	2 pc(s).	4 pc(s).	
Cable duct		see page	see page	see page	205
Cable clamp rail, right angle section	2 pc(s).	8619.410	8619.420	8619.440	206



# Baying enclosure system VX25

## Basic enclosure, height 2200 mm, depth 600 mm, 800 mm

Width (B) mm	Packs of	600	800	1200	600	800	1200	Page
Height (H) mm		2200	2200	2200	2200	2200	2200	
Depth (T) mm		600	600	600	800	800	800	
Mounting plate width (F) mm		499	699	1099	499	699	1099	
Mounting plate height (G) mm		2096	2096	2096	2096	2096	2096	
<b>Model No.</b>	1 pc(s).	<b>8626.000</b>	<b>8826.000</b>	<b>8226.000</b>	<b>8628.000</b>	<b>8828.000</b>	<b>8228.000</b>	
Weight, approx. kg		106.0	136.0	204.0	114.0	147.0	210.0	
<b>Product-specific scope of supply</b>								
Door(s)		1	1	2	1	1	2	
<b>Accessories</b>								
Base/plinth corner pieces with base/plinth trim panel, front and rear, 100 mm	2 pc(s).	8660.002	8660.003	8660.007	8660.002	8660.003	8660.007	91
Base/plinth trim panels, sides, 100 mm	2 pc(s).	8660.033	8660.033	8660.033	8660.034	8660.034	8660.034	92
Base/plinth corner pieces with base/plinth trim panel, front and rear, 200 mm	2 pc(s).	8660.022	8660.023	8660.025	8660.022	8660.023	8660.025	91
Base/plinth trim panels, sides, 200 mm	2 pc(s).	8660.043	8660.043	8660.043	8660.044	8660.044	8660.044	92
Levelling feet	4 pc(s).	4612.000	4612.000	4612.000	4612.000	4612.000	4612.000	98
Side panels, screw-fastened, sheet steel	2 pc(s).	8126.245	8126.245	8126.245	8128.245	8128.245	8128.245	104
Divider panel	1 pc(s).	8609.207	8609.207	8609.207	-	-	-	106
Divider panel for module plates	1 pc(s).	-	-	-	-	-	-	
Baying bracket, internal	6 pc(s).	8617.500	8617.500	8617.500	8617.500	8617.500	8617.500	114
Baying block, internal	6 pc(s).	8617.501	8617.501	8617.501	8617.501	8617.501	8617.501	114
Baying connector, external	6 pc(s).	8617.502	8617.502	8617.502	8617.502	8617.502	8617.502	114
Glazed door	1 pc(s).	8618.040	8618.050	-	8618.040	8618.050	-	120
Comfort handle VX for lock inserts	1 pc(s).	8618.200	8618.200	8618.200	8618.200	8618.200	8618.200	130
Comfort handle VX for lock inserts and padlock	1 pc(s).	8618.230	8618.230	8618.230	8618.230	8618.230	8618.230	130
Comfort handle VX for profile half-cylinders	1 pc(s).	8618.250	8618.250	8618.250	8618.250	8618.250	8618.250	130
Comfort handle with security lock insert, lock E1	1 pc(s).	8618.240	8618.240	8618.240	8618.240	8618.240	8618.240	130
Comfort handle VX for ASSA lock system	1 pc(s).	8618.270	8618.270	8618.270	8618.270	8618.270	8618.270	130
Lock inserts		see page	see page	see page	see page	see page	see page	131
180° hinges	4 pc(s).	8618.330	8618.330	8618.330	8618.330	8618.330	8618.330	121
Punched section with mounting flange, 14 x 39 mm, for tubular door frame	4 pc(s).	8619.720	8619.730	8619.720	8619.720	8619.730	8619.720	136
Wiring plan pocket, sheet steel, depth 35 mm	1 pc(s).	4116.500	4118.500	4116.500	4116.500	4118.500	4116.500	137
Wiring plan pocket, sheet steel, depth 90 mm	1 pc(s).	4116.000	4118.000	4116.000	4116.000	4118.000	4116.000	137
Door stay for escape routes	1 pc(s).	8618.425	8618.425	8618.425	8618.425	8618.425	8618.425	138
Ride-up roller	10 pc(s).	8618.420	8618.420	8618.420	8618.420	8618.420	8618.420	138
Mounting plate infill	1 pc(s).	4592.700	4592.700	4592.700	4592.700	4592.700	4592.700	153
Punched section with mounting flange 18 x 64 mm for the outer level, in the width	4 pc(s).	8617.030	8617.040	8617.060	8617.030	8617.040	8617.060	166
Punched section with mounting flange 18 x 64 mm for the outer level, in the depth	4 pc(s).	8617.030	8617.030	8617.030	8617.040	8617.040	8617.040	166
Punched section with mounting flange 23 x 64 mm for the inner level, in the width	4 pc(s).	8617.130	8617.140	8617.160	8617.130	8617.140	8617.160	166
Punched section with mounting flange 23 x 64 mm for the inner level, in the depth	4 pc(s).	8617.130	8617.130	8617.130	8617.140	8617.140	8617.140	166
Punched rail 18 x 39 mm for the enclosure depth	4 pc(s).	8617.720	8617.720	8617.720	8617.730	8617.730	8617.730	168
Support strip for the enclosure depth	20 pc(s).	4696.000	4696.000	4696.000	4697.000	4697.000	4697.000	168
C rail 30/15, for the enclosure width	6 pc(s).	4944.000	4945.000	4947.000	4944.000	4945.000	4947.000	169
Support rail 48 x 26 mm, for the enclosure width	2 pc(s).	8617.800	8617.810	8617.830	8617.800	8617.810	8617.830	169
LED system light		see page	see page	see page	see page	see page	see page	179
Earth straps		see page	see page	see page	see page	see page	see page	188
Cable entry plates		8619.800	8619.801	8619.803	8619.800	8619.801	8619.803	200
	Packs of	2 pc(s).	2 pc(s).	4 pc(s).	2 pc(s).	2 pc(s).	4 pc(s).	
Cable entry grommets	8 cables, max. Ø 13 mm	25 pc(s).	4316.000	4316.000	4316.000	4316.000	4316.000	200
	3 cables, max. Ø 21 mm	25 pc(s).	4317.000	4317.000	4317.000	4317.000	4317.000	200
	1 cable, max. Ø 47 mm	25 pc(s).	4318.000	4318.000	4318.000	4318.000	4318.000	200
Connector grommets	10 pc(s).	4311.000	4311.000	4311.000	4311.000	4311.000	4311.000	200
Section for cable entry, centre		8618.800	8618.801	8618.803	8618.800	8618.801	8618.803	201
	Packs of	2 pc(s).	2 pc(s).	4 pc(s).	2 pc(s).	2 pc(s).	4 pc(s).	
Section for cable entry, rear		8618.810	8618.811	8618.813	8618.810	8618.811	8618.813	201
	Packs of	2 pc(s).	2 pc(s).	4 pc(s).	2 pc(s).	2 pc(s).	4 pc(s).	
Cable duct		see page	see page	see page	see page	see page	see page	205
Cable clamp rail, right angle section	2 pc(s).	8619.410	8619.420	8619.440	8619.410	8619.420	8619.440	206

# Baying enclosure system VX25



System accessories Page 84 VX25 basic enclosure Page 54 VX25 stainless steel Page 75 VX25 EMC-shielded Page 74

## Material and surface finish:

- Enclosure frame: Sheet steel, 1.5 mm, dipcoat-primed
- Roof: Sheet steel, 1.5 mm, dipcoat-primed, powder-coated on the outside, textured paint
- Glazed door: Extruded aluminium section, powder-coated, single-pane safety glass, 3 mm
- Rear door: Sheet steel, 2 mm, dipcoat-primed, powder-coated on the outside, textured paint
- Gland plates: Sheet steel, 1.5 mm, zinc-plated, passivated

## Colour:

- Enclosure frame, door frame, corner pieces, panels: RAL 7035
- Viewing window (printed mask on the inside): RAL 9005

## Protection category IP to IEC 60 529:

- IP 55

## Protection category NEMA:

- NEMA 12

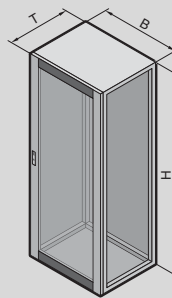
## Supply includes:

- Enclosure frame
- Door(s) (r/h hinge, may be swapped to opposite side)
- Roof plate
- Glazed door at front
- Rear door
- Gland plates
- Lock: 3 mm double-bit

## Approvals:

- UL
- cUL
- CSA

Further approvals can be found on the Internet.



# Baying enclosure system VX25

## Basic enclosure with glazed door

Width (B) mm	Packs of	600	600	800	800	Page
Height (H) mm		2000	2000	2000	2000	
Depth (T) mm		600	800	600	800	
<b>Model No.</b>	1 pc(s).	<b>8840.120</b>	<b>8840.130</b>	<b>8840.100</b>	<b>8840.110</b>	
Weight kg		71.0	75.4	84.2	90.0	
<b>Accessories</b>						
Base/plinth corner pieces with base/plinth trim panel, front and rear, 100 mm	2 pc(s).	8660.002	8660.002	8660.003	8660.003	91
Base/plinth trim panels, sides, 100 mm	2 pc(s).	8660.033	8660.034	8660.033	8660.034	92
Base/plinth corner pieces with base/plinth trim panel, front and rear, 200 mm	2 pc(s).	8660.022	8660.022	8660.023	8660.023	91
Base/plinth trim panels, sides, 200 mm	2 pc(s).	8660.043	8660.044	8660.043	8660.044	92
Levelling feet	4 pc(s).	4612.000	4612.000	4612.000	4612.000	98
Side panels, screw-fastened, sheet steel	2 pc(s).	8106.245	8108.245	8106.245	8108.245	104
Divider panel	1 pc(s).	8609.205	8609.206	8609.205	8609.206	106
Divider panel for module plates	1 pc(s).	8609.213	–	8609.213	–	107
Baying bracket, internal	6 pc(s).	8617.500	8617.500	8617.500	8617.500	114
Baying block, internal	6 pc(s).	8617.501	8617.501	8617.501	8617.501	114
Baying connector, external	6 pc(s).	8617.502	8617.502	8617.502	8617.502	114
Comfort handle VX for lock inserts	1 pc(s).	8618.200	8618.200	8618.200	8618.200	130
Comfort handle VX for lock inserts and padlock	1 pc(s).	8618.230	8618.230	8618.230	8618.230	130
Comfort handle VX for profile half-cylinders	1 pc(s).	8618.250	8618.250	8618.250	8618.250	130
Comfort handle with security lock insert, lock E1	1 pc(s).	8618.240	8618.240	8618.240	8618.240	130
Comfort handle VX for ASSA lock system	1 pc(s).	8618.270	8618.270	8618.270	8618.270	130
Lock inserts		see page	see page	see page	see page	131
180° hinges	4 pc(s).	8618.330	8618.330	8618.330	8618.330	121
Punched section with mounting flange, 14 x 39 mm, for tubular door frame	4 pc(s).	8619.720	8619.720	8619.730	8619.730	136
Wiring plan pocket, sheet steel, depth 35 mm	1 pc(s).	4116.500	4116.500	4118.500	4118.500	137
Wiring plan pocket, sheet steel, depth 90 mm	1 pc(s).	4116.000	4116.000	4118.000	4118.000	137
Door stay	1 pc(s).	8618.430	8618.430	8618.430	8618.430	138
Door stay for escape routes	1 pc(s).	8618.425	8618.425	8618.425	8618.425	138
Ride-up roller	10 pc(s).	8618.420	8618.420	8618.420	8618.420	138
Punched section with mounting flange 18 x 64 mm for the outer level, in the width	4 pc(s).	8617.030	8617.030	8617.040	8617.040	166
Punched section with mounting flange 18 x 64 mm for the outer level, in the depth	4 pc(s).	8617.030	8617.040	8617.030	8617.040	166
Punched section with mounting flange 23 x 64 mm for the inner level, in the width	4 pc(s).	8617.130	8617.130	8617.140	8617.140	166
Punched section with mounting flange 23 x 64 mm for the inner level, in the depth	4 pc(s).	8617.130	8617.140	8617.130	8617.140	166
Punched rail 18 x 39 mm for the enclosure depth	4 pc(s).	8617.720	8617.730	8617.720	8617.730	168
Support strip for the enclosure depth	20 pc(s).	4696.000	4697.000	4696.000	4697.000	168
C rail 30/15, for the enclosure width	6 pc(s).	4944.000	4944.000	4945.000	4945.000	169
Support rail 48 x 26 mm, for the enclosure width	2 pc(s).	8617.800	8617.800	8617.810	8617.810	169
LED system light		see page	see page	see page	see page	179
Earth straps		see page	see page	see page	see page	188
Cable entry plates		8619.800	8619.800	8619.801	8619.801	200
	Packs of	2 pc(s).	2 pc(s).	2 pc(s).	2 pc(s).	
Cable entry grommets	8 cables, max. Ø 13 mm	25 pc(s).	4316.000	4316.000	4316.000	200
	3 cables, max. Ø 21 mm	25 pc(s).	4317.000	4317.000	4317.000	200
	1 cable, max. Ø 47 mm	25 pc(s).	4318.000	4318.000	4318.000	200
Connector grommets	10 pc(s).	4311.000	4311.000	4311.000	4311.000	200
Section for cable entry, centre		8618.800	8618.800	8618.801	8618.801	201
	Packs of	2 pc(s).	2 pc(s).	2 pc(s).	2 pc(s).	
Section for cable entry, rear		8618.810	8618.810	8618.811	8618.811	201
	Packs of	2 pc(s).	2 pc(s).	2 pc(s).	2 pc(s).	
Cable clamp rail, right angle section	2 pc(s).	8619.410	8619.410	8619.420	8619.420	206

# Baying enclosure system VX25



**System accessories** Page 84 **482.6 mm (19") installation accessories** Page 210

## Material and surface finish:

- Enclosure frame: Sheet steel, 1.5 mm, dipcoat-primed
- Roof: Sheet steel, 1.5 mm, dipcoat-primed, powder-coated on the outside, textured paint
- Front frame: Extruded aluminium section, powder-coated

- Rear door: Sheet steel, 2 mm, dipcoat-primed, powder-coated on the outside, textured paint
- Gland plates: Sheet steel, 1.5 mm, zinc-plated, passivated
- 482.6 mm (19") adaptor sections: Sheet steel, zinc-plated

**Colour:**  
- RAL 7035

## Supply includes:

- Enclosure frame
- Front frame (r/h hinge, held on the left via mechanical snap fasteners)
- Rear door (r/h hinge, may be swapped to opposite side)
- Roof plate
- Gland plates
- Adaptor sections, 482.6 mm (19"), front

## Approvals:

- Bureau Veritas

## Electronic enclosure

Height units U	Packs of	33	33	42	42	Page
Width mm		600	600	600	600	
Height mm		1600	1600	2000	2000	
Depth mm		600	800	600	800	
Model No.	1 pc(s).	<b>8410.000</b>	<b>8418.000</b>	<b>8430.000</b>	<b>8438.000</b>	
Weight, approx. kg		58.0	63.2	67.8	72.2	

### Accessories

Base/plinth corner pieces with base/plinth trim panel, front and rear, 100 mm	2 pc(s).	8660.002	8660.002	8660.002	8660.002	91
Base/plinth trim panels, sides, 100 mm	2 pc(s).	8660.033	8660.034	8660.033	8660.034	92
Base/plinth corner pieces with base/plinth trim panel, front and rear, 200 mm	2 pc(s).	8660.022	8660.022	8660.022	8660.022	91
Base/plinth trim panels, sides, 200 mm	2 pc(s).	8660.043	8660.044	8660.043	8660.044	92
Levelling feet	4 pc(s).	4612.000	4612.000	4612.000	4612.000	98
Side panels, screw-fastened, sheet steel	2 pc(s).	8166.245	8168.245	8106.245	8108.245	104
Comfort handle VX for lock inserts	1 pc(s).	8618.200	8618.200	8618.200	8618.200	130
Comfort handle VX for lock inserts and padlock	1 pc(s).	8618.230	8618.230	8618.230	8618.230	130
Comfort handle VX for profile half-cylinders	1 pc(s).	8618.250	8618.250	8618.250	8618.250	130
Lock inserts		see page	see page	see page	see page	131
Punched section with mounting flange 18 x 64 mm for the outer level, in the depth	4 pc(s).	8617.030	8617.040	8617.030	8617.040	166
LED system light		see page	see page	see page	see page	179
Section for cable entry, centre	2 pc(s).	8618.800	8618.800	8618.800	8618.800	201
Section for cable entry, rear	2 pc(s).	8618.810	8618.810	8618.810	8618.810	201
Cable clamp rail, right angle section	2 pc(s).	8619.410	8619.410	8619.410	8619.410	206
Adaptor section, 482.6 mm (19")	2 pc(s).	8619.300	8619.300	8619.320	8619.320	213
Adaptor piece, 482.6 mm (19")	4 pc(s).	8619.330	8619.330	8619.330	8619.330	213
Slide rail with attachment on both sides	10 pc(s).	8613.161	8613.181	8613.161	8613.181	214
Slide rail with attachment on one side	10 pc(s).	4531.001	4531.001	4531.001	4531.001	214
482.6 mm (19") fastener, 1 U	24 pc(s).	2090.000	2090.000	2090.000	2090.000	214

# Baying enclosure system VX25



## System accessories Page 84

### Material and surface finish:

- Enclosure frame: Sheet steel, 1.5 mm, dipcoat-primed and powder-coated, textured paint
- Roof: Sheet steel, 1.5 mm, dipcoat-primed and powder-coated, textured paint
- Door: Sheet steel, 2 mm, dipcoat-primed and powder-coated, textured paint
- Rear panel: Sheet steel, 1.5 mm, dipcoat-primed and powder-coated, textured paint
- Gland plate: Sheet steel, 1.5 mm, dipcoat-primed and powder-coated, textured paint
- Mounting plate: Sheet steel, 3 mm, zinc-plated, passivated

### Colour:

- RAL 7035

### Protection category IP to IEC 60 529:

- IP 66

### Protection category NEMA:

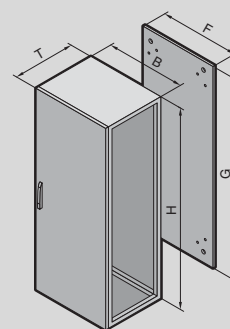
- NEMA 1, 3R, 4, 12

### Supply includes:

- Enclosure frame
- Door (r/h hinge, may be swapped to opposite side)
- Roof plate
- Base
- Rear panel
- Mounting plate
- Lock: 3 mm double-bit
- 2 punched rails 18 x 39 mm

### Approvals:

- UL
- cUL
- Bureau Veritas



## IP 66/NEMA 4

Width (B) mm	Packs of	800	Page
Height (H) mm		2000	
Depth (T) mm		600	
Mounting plate width (F) mm		699	
Mounting plate height (G) mm		1896	
<b>Model No.</b>	1 pc(s).	<b>8807.000</b>	
Weight, approx. kg		140.0	

### Accessories

Base/plinth corner pieces with base/plinth trim panel, front and rear, 100 mm	2 pc(s).	8660.003	91
Base/plinth trim panels, sides, 100 mm	2 pc(s).	8660.033	92
Base/plinth corner pieces with base/plinth trim panel, front and rear, 200 mm	2 pc(s).	8660.023	91
Base/plinth trim panels, sides, 200 mm	2 pc(s).	8660.043	92
Levelling feet	4 pc(s).	4612.000	98
Side panels, screw-fastened, sheet steel	2 pc(s).	8106.245	104
Baying bracket, internal	6 pc(s).	8617.500	114
Baying block, internal	6 pc(s).	8617.501	114
Baying connector, external	6 pc(s).	8617.502	114
Comfort handle VX for lock inserts	1 pc(s).	8618.200	130
Comfort handle VX for profile half-cylinders	1 pc(s).	8618.250	130
Wiring plan pocket, sheet steel, depth 35 mm	1 pc(s).	4118.500	137
Wiring plan pocket, sheet steel, depth 90 mm	1 pc(s).	4118.000	137
LED system light		see page	179
Cable duct		see page	205
Cable clamp rail, right angle section	2 pc(s).	8619.420	206

# Baying enclosure system VX25



System accessories Page 84 ISV installation modules Page 191 Lock systems Page 128

## Material and surface finish:

- Enclosure frame: Sheet steel, 1.5 mm, dipcoat-primed
- Roof: Sheet steel, 1.5 mm, dipcoat-primed, powder-coated on the outside, textured paint
- Door: Sheet steel, 2 mm, dipcoat-primed, powder-coated on the outside, textured paint
- Rear panel: Sheet steel, 1.5 mm, dipcoat-primed, powder-coated on the outside, textured paint
- Gland plates: Sheet steel, 1.5 mm, zinc-plated, passivated

## Colour:

- RAL 7035

## Basis of test:

- IEC 61 439-1/-2

## Protection category IP to IEC 60 529:

- IP 55

## Protection category NEMA:

- NEMA 12

## Supply includes:

- Enclosure frame
- Door(s) (r/h hinge, may be swapped to opposite side)
- Gland plates
- Roof plate
- Rear panel
- Lock: 3 mm double-bit

## Note:

- For 600 mm wide distribution enclosures, please use basic enclosures, see page 54 onwards
- For a base/plinth height of 200 mm, 2 packs each of base/plinth corner pieces, 100 mm and base/plinth trim panels, 100 mm are required

## Distribution enclosure

Width mm	Packs of	850	1100	850	1100	Page
Height mm		2000	2000	2000	2000	
Depth mm		400	400	600	600	
<b>Model No.</b>	1 pc(s).	<b>9666.956</b>	<b>9666.966</b>	<b>9666.916</b>	<b>9666.926</b>	
Weight, approx. kg		111.0	146.0	117.0	156.0	
Door(s)		1	2	1	2	
<b>Also required</b>						
ISV installation kit	1 pc(s).	9666.912	9666.922	9666.912	9666.922	190
Mounting angle	2 pc(s).	9666.712	9666.712	9666.712	9666.712	197
Depth stay for installation kit ISV	2 pc(s).	-	9666.732	-	9666.732	197
<b>Accessories</b>						
Base/plinth corner pieces with base/plinth trim panel, front and rear, 100 mm	2 pc(s).	8660.004	8660.006	8660.004	8660.006	91
Base/plinth trim panels, sides, 100 mm	2 pc(s).	8660.031	8660.031	8660.033	8660.033	92
Base/plinth corner pieces with base/plinth trim panel, front and rear, 200 mm	2 pc(s).	2 x 8660.004	2 x 8660.006	2 x 8660.004	2 x 8660.006	91
Base/plinth trim panels, sides, 200 mm	2 pc(s).	2 x 8660.031	2 x 8660.031	2 x 8660.033	2 x 8660.033	92
Side panels, screw-fastened, sheet steel	2 pc(s).	8104.245	8104.245	8106.245	8106.245	104
Baying bracket, internal	6 pc(s).	8617.500	8617.500	8617.500	8617.500	114
Baying block, internal	6 pc(s).	8617.501	8617.501	8617.501	8617.501	114
Baying connector, external	6 pc(s).	8617.502	8617.502	8617.502	8617.502	114
Roof plate for cable entry glands	1 pc(s).	9681.594	9681.514	9681.596	9681.516	148
Cable entry glands	14 x M25/32	1 pc(s).	9665.750	9665.750	9665.750	149
	2 x M25/32/40, 1 x M32/40/50, 2 x M40/50/63	1 pc(s).	9665.760	9665.760	9665.760	149
	With sealing membranes 32 x Ø 7 – 16 mm, 4 x Ø 10 – 20 mm, 3 x Ø 14 – 26 mm	1 pc(s).	9665.770	9665.770	9665.770	149
	With entry fittings up to Ø 66 mm	1 pc(s).	9665.780	9665.780	9665.780	149
	Solid	4 pc(s).	9665.785	9665.785	9665.785	9665.785

# Baying enclosure system VX25



System accessories Page 84 Installation accessories for modular front design Page 124

## Material and surface finish:

- Enclosure frame: Sheet steel, 1.5 mm, dipcoat-primed
- Rear panel: Sheet steel, 1.5 mm, dipcoat-primed, powder-coated on the outside, textured paint
- Gland plates: Sheet steel, 1.5 mm, zinc-plated, passivated

## Colour:

- RAL 7035

## Basis of test:

- IEC 61 439-1/-2
- IEC 61 641

## Protection category IP to

### IEC 60 529:

- Up to IP 54, depending on the panels

## Supply includes:

- Enclosure frame
- Rear panel
- Gland plates

## Modular enclosure, height 2000 mm

Width mm	Packs of	400	600	800	400	600	800	Page
Height mm		2000	2000	2000	2000	2000	2000	
Depth mm		600	600	600	800	800	800	
Model No.	1 pc(s).	<b>9680.406</b>	<b>9680.606</b>	<b>9680.806</b>	<b>9680.408</b>	<b>9680.608</b>	<b>9680.808</b>	
Weight, approx. kg		43.8	51.0	61.0	46.0	53.7	64.2	
<b>Accessories</b>								
Base/plinth corner pieces with base/plinth trim panel, front and rear, 100 mm	2 pc(s).	8660.001	8660.002	8660.003	8660.001	8660.002	8660.003	91
Base/plinth trim panels, sides, 100 mm	2 pc(s).	8660.033	8660.033	8660.033	8660.034	8660.034	8660.034	92
Base/plinth corner pieces with base/plinth trim panel, front and rear, 200 mm	2 pc(s).	8660.021	8660.022	8660.023	8660.021	8660.022	8660.023	91
Base/plinth trim panels, sides, 200 mm	2 pc(s).	8660.043	8660.043	8660.043	8660.044	8660.044	8660.044	92
Side panels, screw-fastened, sheet steel	2 pc(s).	8106.245	8106.245	8106.245	8108.245	8108.245	8108.245	104
Baying bracket, internal	6 pc(s).	8617.500	8617.500	8617.500	8617.500	8617.500	8617.500	114
Baying block, internal	6 pc(s).	8617.501	8617.501	8617.501	8617.501	8617.501	8617.501	114
Baying connector, external	6 pc(s).	8617.502	8617.502	8617.502	8617.502	8617.502	8617.502	114
Partial doors		see page	see page	see page	see page	see page	see page	125
Front trim panels, top, solid		see page	see page	see page	see page	see page	see page	126
Front trim panels, bottom, solid		see page	see page	see page	see page	see page	see page	126
Front trim panels, bottom, vented	1 pc(s).	9682.354	9682.356	9682.358	9682.354	9682.356	9682.358	126
Roof plate IP 55, solid	1 pc(s).	9681.646	9681.666	9681.686	9681.648	9681.668	9681.688	148
Roof plate IP 2X with ventilation hole	1 pc(s).	9681.846	9681.866	9681.886	9681.848	9681.868	9681.888	148
Roof plate for cable entry glands	1 pc(s).	9681.546	9681.566	9681.586	9681.548	9681.568	9681.588	148
Cable entry gland		see page	see page	see page	see page	see page	see page	149

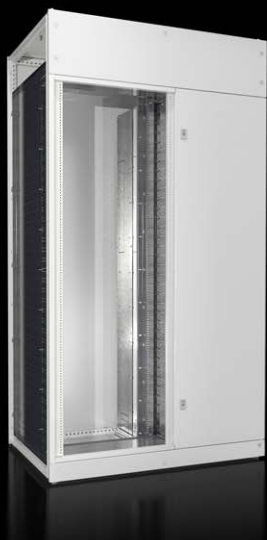
# Baying enclosure system VX25

## Modular enclosure, height 2200 mm

Width mm	Packs of	400	600	800	400	600	800	Page
Height mm		2200	2200	2200	2200	2200	2200	
Depth mm		600	600	600	800	800	800	
Model No.	1 pc(s).	<b>9680.426</b>	<b>9680.626</b>	<b>9680.826</b>	<b>9680.428</b>	<b>9680.628</b>	<b>9680.828</b>	
Weight, approx. kg		43.2	54.0	59.4	46.1	55.8	66.0	
<b>Accessories</b>								
Base/plinth corner pieces with base/plinth trim panel, front and rear, 100 mm	2 pc(s).	8660.001	8660.002	8660.003	8660.001	8660.002	8660.003	91
Base/plinth trim panels, sides, 100 mm	2 pc(s).	8660.033	8660.033	8660.033	8660.034	8660.034	8660.034	92
Base/plinth corner pieces with base/plinth trim panel, front and rear, 200 mm	2 pc(s).	8660.021	8660.022	8660.023	8660.021	8660.022	8660.023	91
Base/plinth trim panels, sides, 200 mm	2 pc(s).	8660.043	8660.043	8660.043	8660.044	8660.044	8660.044	92
Side panels, screw-fastened, sheet steel	2 pc(s).	8126.245	8126.245	8126.245	8128.245	8128.245	8128.245	104
Baying bracket, internal	6 pc(s).	8617.500	8617.500	8617.500	8617.500	8617.500	8617.500	114
Baying block, internal	6 pc(s).	8617.501	8617.501	8617.501	8617.501	8617.501	8617.501	114
Baying connector, external	6 pc(s).	8617.502	8617.502	8617.502	8617.502	8617.502	8617.502	114
Partial doors		see page	see page	see page	see page	see page	see page	125
Front trim panels, top, solid		see page	see page	see page	see page	see page	see page	126
Front trim panels, bottom, solid		see page	see page	see page	see page	see page	see page	126
Front trim panels, bottom, vented	1 pc(s).	9682.354	9682.356	9682.358	9682.354	9682.356	9682.358	126
Roof plate IP 55, solid	1 pc(s).	9681.646	9681.666	9681.686	9681.648	9681.668	9681.688	148
Roof plate IP 2X with ventilation hole	1 pc(s).	9681.846	9681.866	9681.886	9681.848	9681.868	9681.888	148
Roof plate for cable entry glands	1 pc(s).	9681.546	9681.566	9681.586	9681.548	9681.568	9681.588	148
Cable entry gland		see page	see page	see page	see page	see page	see page	149



# Baying enclosure system VX25



**System accessories** Page 84 **Compartment configuration** Cat. 36, page 410 **Fuse-switch disconnecter section** Cat. 36, Page 415

## Material and surface finish:

- Enclosure frame: Sheet steel, 1.5 mm, dipcoat-primed
- Roof: Sheet steel, 1.5 mm, dipcoat-primed, powder-coated on the outside, textured paint
- Door: Sheet steel, 2 mm, dipcoat-primed, powder-coated on the outside, textured paint
- Rear panel: Sheet steel, 1.5 mm, dipcoat-primed, powder-coated on the outside, textured paint
- Gland plate: Sheet steel, 1.5 mm, zinc-plated
- Front trim panel: Sheet steel, 1.5 mm, dipcoat-primed, powder-coated on the outside, textured paint
- Compartment side panel: Sheet steel, 1.5 mm, zinc-plated

## Colour:

- RAL 7035

## Basis of test:

- IEC 61 439-1/-2
- IEC 61 641

## Protection category IP to IEC 60 529:

- Up to IP 3X, depending on the panels

## Supply includes:

- Enclosure frame
- Door
- Roof plate
- Rear panel
- Gland plates
- Front trim panels
- Lock: 3 mm double-bit
- Compartment side panels
- Locating frame for disconnectors with fuses (brands ABB SlimLine/Jean Müller SASIL)

## Fuse-switch-disconnector enclosure, height 2000 – 2200 mm

Width mm	Packs of	1000	1200	1000	1200	Page
Height mm		2000	2000	2200	2200	
Depth mm		600	800	600	800	
<b>Model No.</b>	1 pc(s).	<b>9680.005</b>	<b>9680.207</b>	<b>9680.025</b>	<b>9680.227</b>	
Weight kg		125.3	149.6	135.2	158.9	

### Accessories

Base/plinth corner pieces with base/plinth trim panels, front and rear, 100 mm	2 pc(s).	8660.005	8660.007	8660.005	8660.007	91
Base/plinth trim panel, sides, 100 mm	2 pc(s).	8660.033	8660.034	8660.033	8660.034	92
Base/plinth corner pieces with base/plinth trim panels, front and rear, 200 mm	2 pc(s).	8660.024	8660.025	8660.024	8660.025	91
Base/plinth trim panel, sides, 200 mm	2 pc(s).	8660.043	8660.044	8660.043	8660.044	92
Side panels, screw-fastened, sheet steel	2 pc(s).	8106.245	8108.245	8126.245	8128.245	104
Baying bracket, internal	6 pc(s).	8617.500	8617.500	8617.500	8617.500	114
Baying block, internal	6 pc(s).	8617.501	8617.501	8617.501	8617.501	114
Baying connector, external	6 pc(s).	8617.502	8617.502	8617.502	8617.502	114
Roof plate IP 2X with ventilation hole	1 pc(s).	9681.806	9681.828	9681.806	9681.828	148

# Baying enclosure system VX25



**System accessories** Page 84 **VX25 Basic enclosures** Page 54 **VX25 stainless steel** Page 75

The large enclosures in the VX25 series offer a good level of shielding across a broad frequency range, even in the standard version. For increased EMC requirements, Rittal's VX25 enclosure is also available in a high RF attenuation version.

**Material and surface finish:**

- Enclosure frame: Sheet steel, 1.5 mm, with magnesium zinc coating
- Roof: Sheet steel, 1.5 mm, with magnesium zinc coating, spray-finished on the outside and paint-free on the inside

- Door: Sheet steel, 2 mm, with magnesium zinc coating, spray-finished on the outside and paint-free on the inside
- Rear panel: Sheet steel, 1.5 mm, with magnesium zinc coating, spray-finished on the outside and paint-free on the inside
- Gland plates: Sheet steel, 1.5 mm, zinc-plated, passivated
- Mounting plate: Sheet steel, 3 mm, zinc-plated, passivated

**Colour:**

- RAL 7035

**Protection category IP to IEC 60 529:**

- IP 55

**Protection category NEMA:**

- NEMA 12

**Supply includes:**

- Enclosure frame
- Door(s) (door hinge on the right, may be swapped to the left)
- Rear panel
- Roof plate
- Gland plates
- Mounting plate
- Lock: 3 mm double-bit
- 2 punched rails 18 x 39 mm

**Note:**

- For bayed enclosures, the EMC shielding seal is required

**Approvals:**

- UL
- cUL

Further approvals can be found on the Internet.

## EMC enclosure

Width mm	Packs of	800	800	Page
Height mm		2000	2000	
Depth mm		600	800	
Model No.	1 pc(s).	<b>8807.010</b>	<b>8807.020</b>	
Weight kg		130.0	135.0	

Accessories				
Base/plinth corner pieces with base/plinth trim panel, front and rear, 100 mm	2 pc(s).	8660.003	8660.003	91
Base/plinth trim panels, sides, 100 mm	2 pc(s).	8660.033	8660.034	92
Base/plinth corner pieces with base/plinth trim panel, front and rear, 200 mm	2 pc(s).	8660.023	8660.023	91
Base/plinth trim panels, sides, 200 mm	2 pc(s).	8660.043	8660.044	92
EMC side panels	2 pc(s).	8106.760	8108.760	183
EMC shielding seal	1 pc(s).	8800.695	8800.695	183
Divider panel	1 pc(s).	8609.205	8609.206	106
EMC divider panel seal	1 pc(s).	4348.500	4348.500	183
Rail for EMC shielding bracket	1 pc(s).	2388.850	2388.850	184
EMC shielding bracket		see page	see page	184
EMC shield bus		see page	see page	185
EMC gland plates	1 pc(s).	8618.821	8618.821	184
EMC earth clamps		see page	see page	185
EMC cable glands		see page	see page	185
Cable duct		see page	see page	205
LED system light		see page	see page	179
Earth strap		see page	see page	188
Earthing braid		see page	see page	188
Comfort handle VX		see page	see page	130

# Baying enclosure system VX25, stainless steel



Lock systems Page 130 VX25, sheet steel Page 54

## Material and surface finish:

- Enclosure frame: Stainless steel 1.4301 (AISI 304), 1.5 mm
- Roof: Stainless steel 1.4301 (AISI 304), 1.5 mm, exterior brushed, grain size 400
- Door: Stainless steel 1.4301 (AISI 304), 2 mm, exterior brushed, grain size 400
- Rear panel: Stainless steel 1.4301 (AISI 304), 1.5 mm, exterior brushed, grain size 400
- Gland plates: Stainless steel 1.4301 (AISI 304), 1.5 mm
- Mounting plate: Sheet steel, 3 mm, zinc-plated, passivated

## Protection category IP to IEC 60 529:

- IP 55

## Protection category NEMA:

- NEMA 1, 12

## Supply includes:

- Enclosure frame
- Door(s) (r/h hinge, may be swapped to opposite side)
- Roof plate
- Gland plates
- Rear panel
- Mounting plate
- Lock: 3 mm double-bit
- 2 punched rails 18 x 39 mm

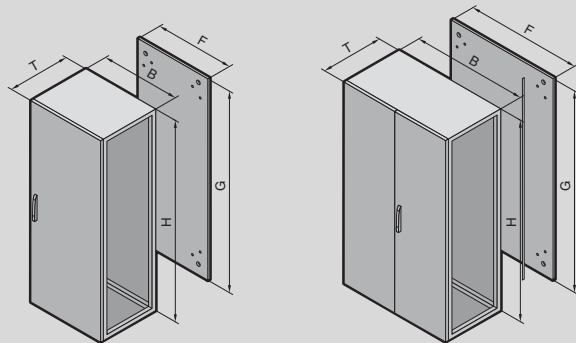
## Note:

- Due to the hardness of the material, we recommend using metal multi-tooth screw 2486.400 for the interior installation

## Approvals:

- UL
- cUL
- DNV-GL

Further approvals can be found on the Internet.



# Baying enclosure system VX25, stainless steel

Basic enclosure, height 1800 mm, depth 400 mm

Width (B) mm	Packs of	800	1200	Page
Height (H) mm		1800	1800	
Depth (T) mm		400	400	
Mounting plate width (F) mm		699	1099	
Mounting plate height (G) mm		1696	1696	
<b>Model No.</b>	1 pc(s).	<b>8454.000</b>	<b>8456.000</b>	
Weight, approx. kg		110.0	167.0	
<b>Product-specific scope of supply</b>				
Door(s)		1	2	
<b>Accessories</b>				
Base/plinth corner pieces with base/plinth trim panel, front and rear, 100 mm	2 pc(s).	8620.051	8620.053	93
Base/plinth trim panels, sides, 100 mm	2 pc(s).	8620.070	8620.070	94
Base/plinth corner pieces with base/plinth trim panel, front and rear, 200 mm	2 pc(s).	8620.061	8620.063	93
Base/plinth trim panels, sides, 200 mm	2 pc(s).	8620.080	8620.080	94
Levelling feet	4 pc(s).	8100.780	8100.780	98
Punched section with mounting flange 23 x 89 mm, stainless steel, in the depth	4 pc(s).	8100.730	8100.730	167
Side panels, screw-fastened, stainless steel	2 pc(s).	8700.030	8700.030	104
Divider panel	1 pc(s).	8609.200	8609.200	106
Divider panel for module plates	1 pc(s).	-	-	
Baying bracket, internal	6 pc(s).	8617.500	8617.500	114
Baying block, internal	6 pc(s).	8617.501	8617.501	114
Baying connector, external, stainless steel	6 pc(s).	8617.503	8617.503	114
Comfort handle VX for lock inserts	1 pc(s).	8618.220	8618.220	130
Comfort handle VX for profile half-cylinders	1 pc(s).	8618.280	8618.280	130
Lock inserts		see page	see page	131
180° hinges, stainless steel	4 pc(s).	8618.340	8618.340	121
Punched section with mounting flange, 14 x 39 mm, for tubular door frame	4 pc(s).	8619.730	8619.720	136
Wiring plan pocket, sheet steel, depth 35 mm	1 pc(s).	4118.500	4116.500	137
Wiring plan pocket, sheet steel, depth 90 mm	1 pc(s).	4118.000	4116.000	137
Door stay for escape routes	1 pc(s).	8618.425	8618.425	138
Ride-up roller	10 pc(s).	8618.420	8618.420	138
Mounting plate infill	1 pc(s).	4590.700	4590.700	153
Punched section with mounting flange 18 x 64 mm for the outer level, in the width	4 pc(s).	8617.040	8617.060	166
Punched section with mounting flange 18 x 64 mm for the outer level, in the depth	4 pc(s).	8617.010	8617.010	166
Punched section with mounting flange 23 x 64 mm for the inner level, in the width	4 pc(s).	8617.140	8617.160	166
Punched section with mounting flange 23 x 64 mm for the inner level, in the depth	4 pc(s).	8617.110	8617.110	166
Punched rail 18 x 39 mm for the enclosure depth	4 pc(s).	8617.700	8617.700	168
Support strip for the enclosure depth	20 pc(s).	4694.000	4694.000	168
C rail 30/15, for the enclosure width	6 pc(s).	4945.000	4947.000	169
Support rail 48 x 26 mm, for the enclosure width	2 pc(s).	8617.810	8617.830	169
LED system light		see page	see page	179
Earth straps		see page	see page	188
Section for cable entry, centre		8618.801	8618.803	201
	Packs of	2 pc(s).	4 pc(s).	
Section for cable entry, rear		8618.811	8618.813	201
	Packs of	2 pc(s).	4 pc(s).	
Cable duct		see page	see page	205
Metal multi-tooth screws	300 pc(s).	2486.400	2486.400	174
Cable clamp rail, right angle section	2 pc(s).	8619.420	8619.440	206

# Baying enclosure system VX25, stainless steel

## Basic enclosure, height 1800 mm, depth 500 mm

Width (B) mm	Packs of	600	800	1200	Page
Height (H) mm		1800	1800	1800	
Depth (T) mm		500	500	500	
Mounting plate width (F) mm		499	699	1099	
Mounting plate height (G) mm		1696	1696	1696	
<b>Model No.</b>	1 pc(s).	<b>8457.000</b>	<b>8455.000</b>	<b>8453.000</b>	
Weight, approx. kg		91.8	113.0	172.0	
<b>Product-specific scope of supply</b>					
Door(s)		1	1	2	
<b>Accessories</b>					
Base/plinth corner pieces with base/plinth trim panel, front and rear, 100 mm	2 pc(s).	8620.050	8620.051	8620.053	93
Base/plinth trim panels, sides, 100 mm	2 pc(s).	8620.071	8620.071	8620.071	94
Base/plinth corner pieces with base/plinth trim panel, front and rear, 200 mm	2 pc(s).	8620.060	8620.061	8620.063	93
Base/plinth trim panels, sides, 200 mm	2 pc(s).	8620.081	8620.081	8620.081	94
Levelling feet	4 pc(s).	8100.780	8100.780	8100.780	98
Punched section with mounting flange 23 x 89 mm, stainless steel, in the depth	4 pc(s).	8100.731	8100.731	8100.731	167
Side panels, screw-fastened, stainless steel	2 pc(s).	8700.040	8700.040	8700.040	104
Divider panel	1 pc(s).	8609.201	8609.201	8609.201	106
Divider panel for module plates	1 pc(s).	8609.210	8609.210	8609.210	107
Baying bracket, internal	6 pc(s).	8617.500	8617.500	8617.500	114
Baying block, internal	6 pc(s).	8617.501	8617.501	8617.501	114
Baying connector, external, stainless steel	6 pc(s).	8617.503	8617.503	8617.503	114
Comfort handle VX for lock inserts	1 pc(s).	8618.220	8618.220	8618.220	130
Comfort handle VX for profile half-cylinders	1 pc(s).	8618.280	8618.280	8618.280	130
Lock inserts		see page	see page	see page	131
180° hinges, stainless steel	4 pc(s).	8618.340	8618.340	8618.340	121
Punched section with mounting flange, 14 x 39 mm, for tubular door frame	4 pc(s).	8619.720	8619.730	8619.720	136
Wiring plan pocket, sheet steel, depth 35 mm	1 pc(s).	4116.500	4118.500	4116.500	137
Wiring plan pocket, sheet steel, depth 90 mm	1 pc(s).	4116.000	4118.000	4116.000	137
Door stay for escape routes	1 pc(s).	8618.425	8618.425	8618.425	138
Ride-up roller	10 pc(s).	8618.420	8618.420	8618.420	138
Mounting plate infill	1 pc(s).	4590.700	4590.700	4590.700	153
Punched section with mounting flange 18 x 64 mm for the outer level, in the width	4 pc(s).	8617.030	8617.040	8617.060	166
Punched section with mounting flange 18 x 64 mm for the outer level, in the depth	4 pc(s).	8617.020	8617.020	8617.020	166
Punched section with mounting flange 23 x 64 mm for the inner level, in the width	4 pc(s).	8617.130	8617.140	8617.160	166
Punched section with mounting flange 23 x 64 mm for the inner level, in the depth	4 pc(s).	8617.120	8617.120	8617.120	166
Punched rail 18 x 39 mm for the enclosure depth	4 pc(s).	8617.710	8617.710	8617.710	168
Support strip for the enclosure depth	20 pc(s).	4695.000	4695.000	4695.000	168
C rail 30/15, for the enclosure width	6 pc(s).	4944.000	4945.000	4947.000	169
Support rail 48 x 26 mm, for the enclosure width	2 pc(s).	8617.800	8617.810	8617.830	169
LED system light		see page	see page	see page	179
Earth straps		see page	see page	see page	188
Section for cable entry, centre		8618.800	8618.801	8618.803	201
	Packs of	2 pc(s).	2 pc(s).	4 pc(s).	
Section for cable entry, rear		8618.810	8618.811	8618.813	201
	Packs of	2 pc(s).	2 pc(s).	4 pc(s).	
Cable duct		see page	see page	see page	205
Metal multi-tooth screws	300 pc(s).	2486.400	2486.400	2486.400	174
Cable clamp rail, right angle section	2 pc(s).	8619.410	8619.420	8619.440	206

# Baying enclosure system VX25, stainless steel

Basic enclosure, height 2000 mm, depth 600 mm

Width (B) mm	Packs of	600	800	1200	Page
Height (H) mm		2000	2000	2000	
Depth (T) mm		600	600	600	
Mounting plate width (F) mm		499	699	1099	
Mounting plate height (G) mm		1896	1896	1896	
<b>Model No.</b>	1 pc(s).	<b>8452.000</b>	<b>8450.000</b>	<b>8451.000</b>	
Weight, approx. kg		101.0	126.0	191.0	
<b>Product-specific scope of supply</b>					
Door(s)		1	1	2	
<b>Accessories</b>					
Base/plinth corner pieces with base/plinth trim panel, front and rear, 100 mm	2 pc(s).	8620.050	8620.051	8620.053	93
Base/plinth trim panels, sides, 100 mm	2 pc(s).	8620.072	8620.072	8620.072	94
Base/plinth corner pieces with base/plinth trim panel, front and rear, 200 mm	2 pc(s).	8620.060	8620.061	8620.063	93
Base/plinth trim panels, sides, 200 mm	2 pc(s).	8620.082	8620.082	8620.082	94
Levelling feet	4 pc(s).	8100.780	8100.780	8100.780	98
Punched section with mounting flange 23 x 89 mm, stainless steel, in the depth	4 pc(s).	8100.732	8100.732	8100.732	167
Side panels, screw-fastened, stainless steel	2 pc(s).	8700.050	8700.050	8700.050	104
Divider panel	1 pc(s).	8609.205	8609.205	8609.205	106
Divider panel for module plates	1 pc(s).	8609.213	8609.213	8609.213	107
Baying bracket, internal	6 pc(s).	8617.500	8617.500	8617.500	114
Baying block, internal	6 pc(s).	8617.501	8617.501	8617.501	114
Baying connector, external, stainless steel	6 pc(s).	8617.503	8617.503	8617.503	114
Comfort handle VX for lock inserts	1 pc(s).	8618.220	8618.220	8618.220	130
Comfort handle VX for profile half-cylinders	1 pc(s).	8618.280	8618.280	8618.280	130
Lock inserts		see page	see page	see page	131
180° hinges, stainless steel	4 pc(s).	8618.340	8618.340	8618.340	121
Punched section with mounting flange, 14 x 39 mm, for tubular door frame	4 pc(s).	8619.720	8619.730	8619.720	136
Wiring plan pocket, sheet steel, depth 35 mm	1 pc(s).	4116.500	4118.500	4116.500	137
Wiring plan pocket, sheet steel, depth 90 mm	1 pc(s).	4116.000	4118.000	4116.000	137
Door stay for escape routes	1 pc(s).	8618.425	8618.425	8618.425	138
Ride-up roller	10 pc(s).	8618.420	8618.420	8618.420	138
Mounting plate infill	1 pc(s).	4591.700	4591.700	4591.700	153
Punched section with mounting flange 18 x 64 mm for the outer level, in the width	4 pc(s).	8617.030	8617.040	8617.060	166
Punched section with mounting flange 18 x 64 mm for the outer level, in the depth	4 pc(s).	8617.030	8617.030	8617.030	166
Punched section with mounting flange 23 x 64 mm for the inner level, in the width	4 pc(s).	8617.130	8617.140	8617.160	166
Punched section with mounting flange 23 x 64 mm for the inner level, in the depth	4 pc(s).	8617.130	8617.130	8617.130	166
Punched rail 18 x 39 mm for the enclosure depth	4 pc(s).	8617.720	8617.720	8617.720	168
Support strip for the enclosure depth	20 pc(s).	4696.000	4696.000	4696.000	168
C rail 30/15, for the enclosure width	6 pc(s).	4944.000	4945.000	4947.000	169
Support rail 48 x 26 mm, for the enclosure width	2 pc(s).	8617.800	8617.810	8617.830	169
LED system light		see page	see page	see page	179
Earth straps		see page	see page	see page	188
Section for cable entry, centre		8618.800	8618.801	8618.803	201
	Packs of	2 pc(s).	2 pc(s).	4 pc(s).	
Section for cable entry, rear		8618.810	8618.811	8618.813	201
	Packs of	2 pc(s).	2 pc(s).	4 pc(s).	
Cable duct		see page	see page	see page	205
Metal multi-tooth screws	300 pc(s).	2486.400	2486.400	2486.400	174
Cable clamp rail, right angle section	2 pc(s).	8619.410	8619.420	8619.440	206

# Baying enclosure system VX25, stainless steel



System accessories Page 84 Cable entry Page 200

## Material and surface finish:

- Enclosure frame: Stainless steel 1.4301 (AISI 304), 1.5 mm
- Roof: Stainless steel 1.4301 (AISI 304), 1.5 mm, exterior brushed, grain size 400
- Door: Stainless steel 1.4301 (AISI 304), 2 mm, exterior brushed, grain size 400
- Rear panel: Stainless steel 1.4301 (AISI 304), 1.5 mm, exterior brushed, grain size 400
- Gland plates: Stainless steel 1.4301 (AISI 304), 1.5 mm
- Mounting plate: Sheet steel, 3 mm, zinc-plated, passivated

## Supply includes:

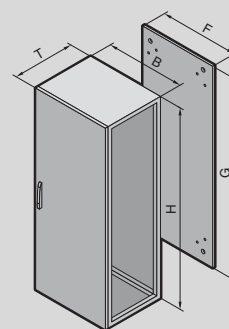
- Enclosure frame
- Door(s) (r/h hinge, may be swapped to opposite side)
- Roof
- Gland plate
- Rear panel
- Mounting plate
- Lock: 3 mm double-bit
- 2 punched rails 18 x 39 mm

## Note:

- Due to the hardness of the material, we recommend using metal multi-tooth screw 2486.400 for the interior installation

## Approvals:

- UL
- cUL



## Protection category IP to IEC 60 529:

- IP 66

## Protection category NEMA:

- NEMA 1, 3R, 4, 4X, 12

## IP 66/NEMA 4X

Width (B) mm	Packs of	800	Page
Height (H) mm		2000	
Depth (T) mm		600	
Mounting plate width (F) mm		699	
Mounting plate height (G) mm		1896	
<b>Model No.</b>	1 pc(s).	<b>8458.000</b>	
Weight, approx. kg		129.0	

## Accessories

Base/plinth corner pieces with base/plinth trim panel, front and rear, 100 mm	2 pc(s).	8620.051	93
Base/plinth trim panels, sides, 100 mm	2 pc(s).	8620.072	94
Base/plinth corner pieces with base/plinth trim panel, front and rear, 200 mm	2 pc(s).	8620.061	93
Base/plinth trim panels, sides, 200 mm	2 pc(s).	8620.082	94
Punched section with mounting flange 23 x 89 mm, stainless steel, in the depth	4 pc(s).	8100.732	167
Side panels, screw-fastened, stainless steel	2 pc(s).	8700.050	104
Baying bracket, internal	6 pc(s).	8617.500	114
Baying block, internal	6 pc(s).	8617.501	114
Comfort handle VX for lock inserts	1 pc(s).	8618.220	130
Comfort handle VX for profile half-cylinders	1 pc(s).	8618.280	130
Lock inserts		see page	131
Wiring plan pocket, sheet steel, depth 35 mm	1 pc(s).	4118.500	137
Wiring plan pocket, sheet steel, depth 90 mm	1 pc(s).	4118.000	137
LED system light		see page	179
Cable duct		see page	205
Cable clamp rail, right angle section	2 pc(s).	8619.420	206

# Perfect integration into bayed enclosure suites

## VX25 TopTherm chillers

VX25 TopTherm chillers are compact in design and cover a diversity of applications. They integrate perfectly with the enclosure – as series products promising a minimised footprint, increased efficiency and fast availability.

### Your benefits:



- Up to 35% smaller CO<sub>2</sub> footprint
- Microchannel technology reduces the volume of refrigerant required
- Integral safety functions create enhanced safety
- Minimum footprint
- A single housing size for four output categories
- Convenient servicing



40%



less **refrigerant**

Up to

35%



smaller **CO<sub>2</sub> footprint**

34%



smaller **footprint**



### Less complexity

- Fast parameterisation, data reading as well as plain-text system and error messages on the smart, multilingual, industry-grade touch display
- Simple configuration with the chiller configurator
- Predefined options shorten delivery times
- Suitable for global use with a dual-frequency connection voltage

### Sustainable technology

- Proven energy savings; the carbon footprint is reduced by up to 35%
- Microchannel technology uses 40% less refrigerant
- Eliminates the requirement for an annual leak test, for significantly reduced maintenance costs

### Perfect integration

- Integrated into the VX25 baying system and therefore perfect for baying in an enclosure suite
- 20 kW output category on a footprint of just 0.48 m<sup>2</sup>
- One enclosure system for four output categories (8 to 20 kW)
- Compatible VX25 system accessories for assembly, baying and attachment

### Enhanced safety

- Integrated safety functions (overflow valve, flow monitor and fill level and phase rotation monitoring)
- Pre-installed external NTC sensor for ambient temperature-led differential control
- Prolonged component life and high levels of machining accuracy with precise temperature control ( $\pm 1$  K)
- Smart interfaces support remote monitoring

### High availability

- Fast delivery off the shelf
- Qualified service technicians help to minimise downtime and boost efficiency
- Excellent availability of original spare parts and 24-hour contactability
- Modular design for optimum accessibility

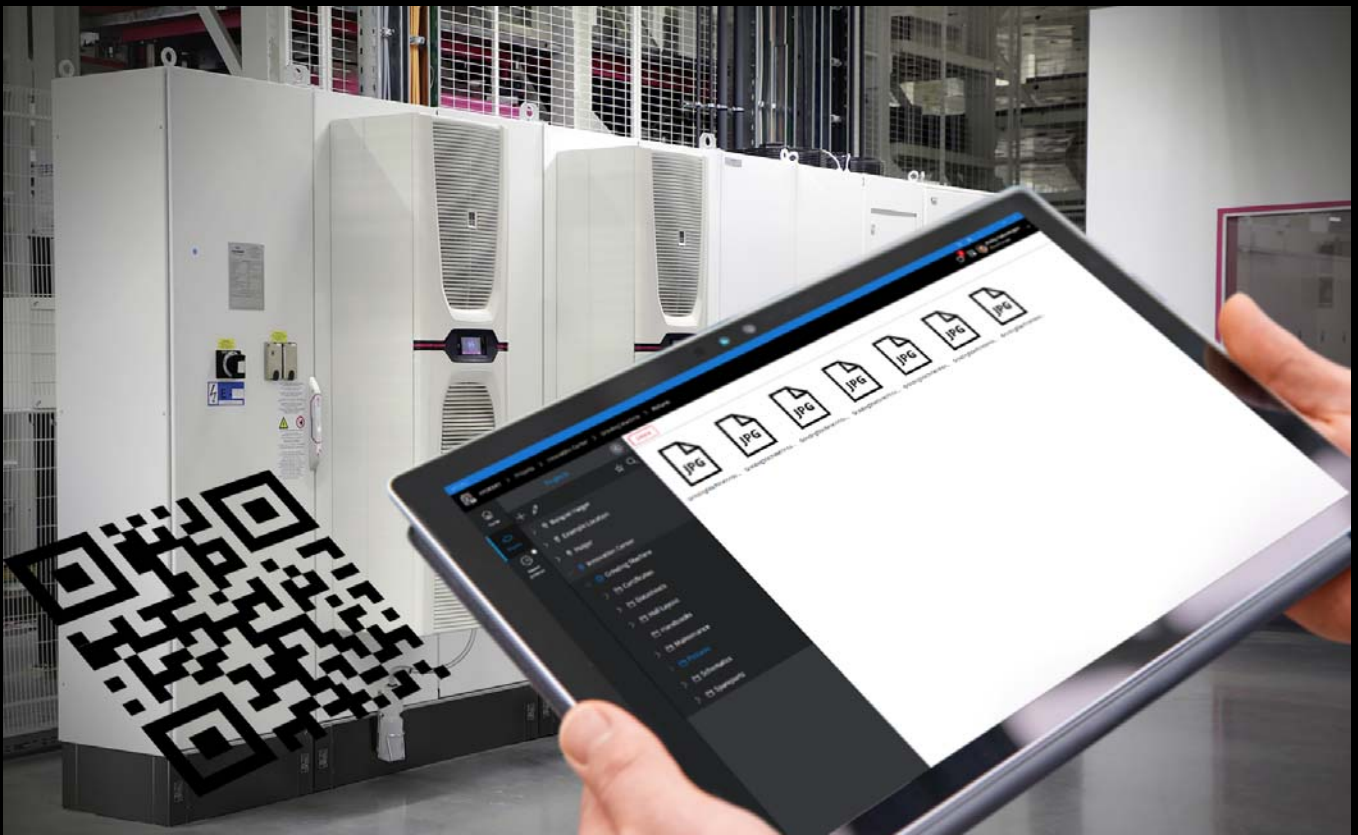


# Rittal ePOCKET – The digital wiring plan pocket

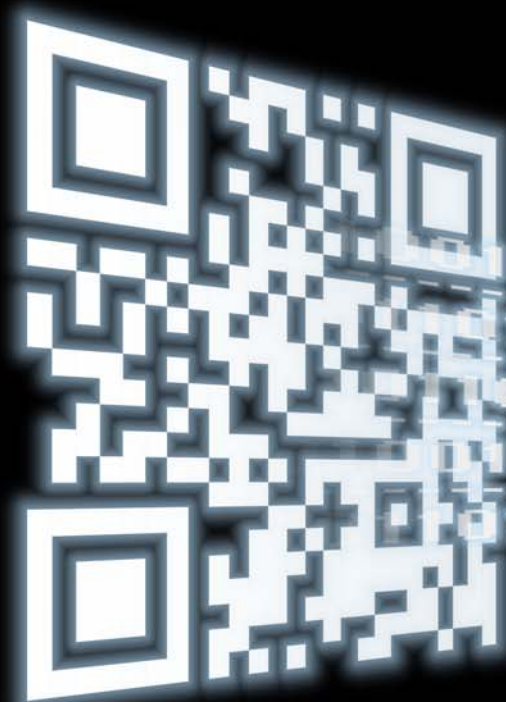
## Enhanced efficiency and an improved workflow with Rittal ePOCKET

The all-digital process from wiring plan creation through to documentation in Rittal ePOCKET not only saves paper and time, but also reduces carbon emissions. Machine and plant documentation is delivered efficiently and in a future-proof form. The QR code links physical enclosures with the digital wiring plan pocket in the EPLAN cloud environment, where all project-specific wiring plan documentation can be stored quickly and conveniently. This permits simple and error-free documentation of later changes.

Rittal ePOCKET – The digital home of automation technology



Get started with Rittal ePOCKET in 4 easy steps  
[www.rittal.com/wiringplanpocket](http://www.rittal.com/wiringplanpocket)



### Your benefits:



- Fully digital process operation with immediate delivery of machine and system documentation
- Documentation is always up-to-date for all project participants
- Track changes in projects including messages
- Reduce carbon footprint by saving the cost of printing



# SYSTEM ACCESSORIES – GREATER **INSTALLATION OPTIONS**

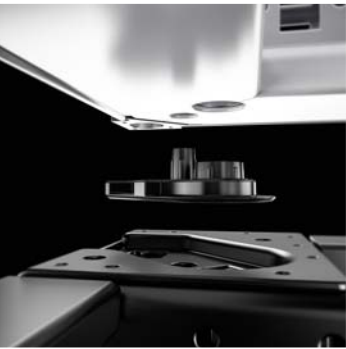
## CONTENTS

Base/plinth .....	from page 86
Walls .....	from page 102
Baying system .....	from page 112
Door options .....	from page 118
Lock systems .....	from page 128
Door installation .....	from page 134
Roof .....	from page 144
Mounting plates .....	from page 150
Rail systems .....	from page 164
Interior installation .....	from page 176
Cable management .....	from page 198
482.6 mm (19") installation system .....	from page 208
Technical information .....	from page 215
Technical details .....	from page 218





# Base/plinth system VX



**Integral centring aid**  
The centring aid for base/plinth mounting on the enclosure frame ensures precise positioning of the enclosure on the base/plinth.



**Separate trim panels**  
Screw-fastened trim panels from the front ensure high stability and easy access to the cable management level behind.



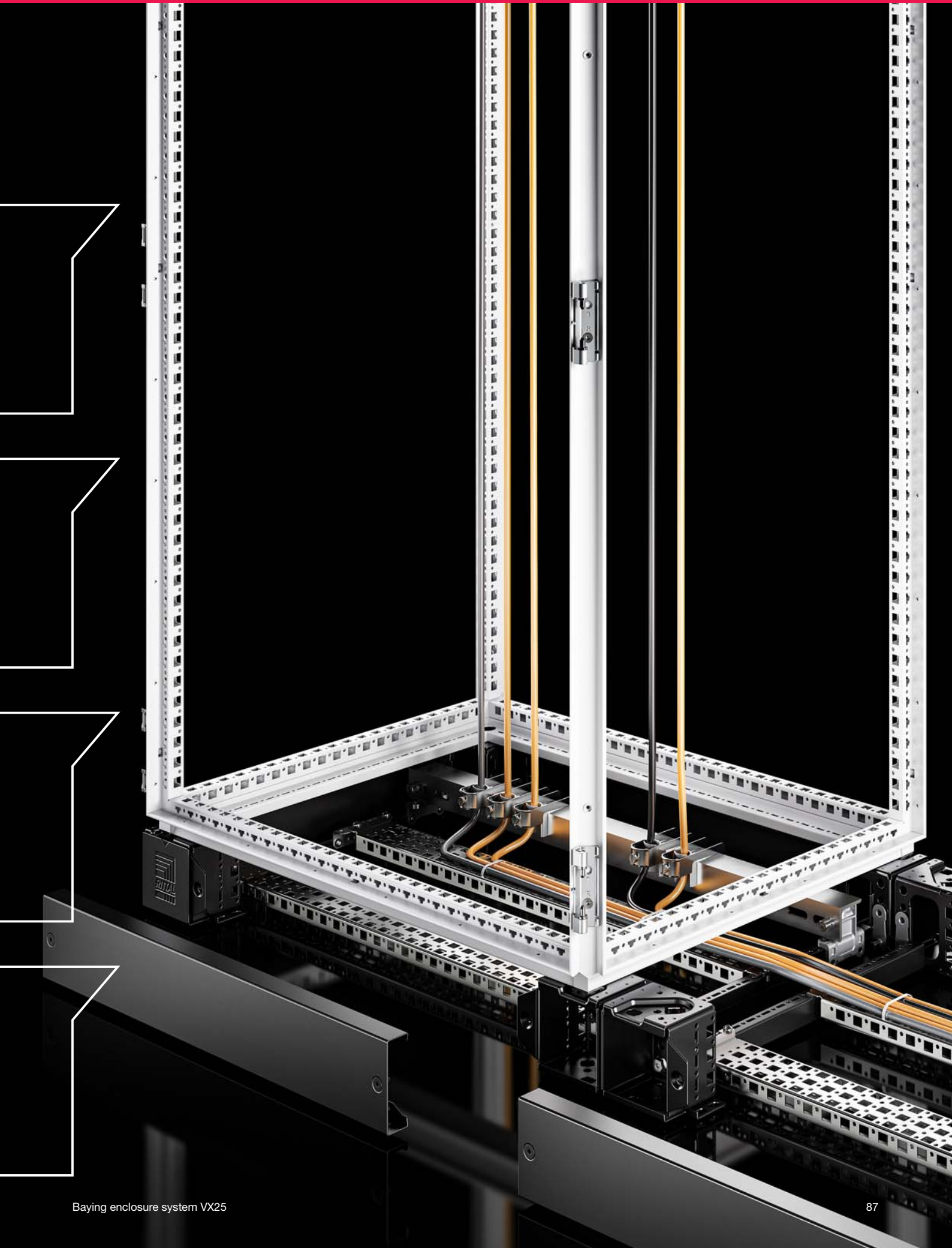
**Enclosure attachment**  
The nuts that can be slid into the base/plinth corner piece allow screw-fastening directly from above, through the stable base frame, or from below, into the enclosure corner piece.



**Simple cable management**  
Secure cable attachment and cable routing via the punched section with mounting flange in the base/plinth.



**Additional cable chamber**  
Gain space with simple integration of the cable clamping rail and C rail for secure, user-friendly cable routing.



# Base/plinth system VX



**Base/plinth system VX**  
All trim panels may be securely screw-fastened to the corner piece. Depending on the application, users can dispense with the trim panels between bayed enclosure suites, or a 100 mm and 200 mm high trim panel may be used to stabilise the base/plinth corner pieces.



**Trim panels**  
The solid trim panels supplied as standard are easily replaced with vented trim panels or trim panels with brush strips. Two 100 mm high trim panels may also be used in a 200 mm high base/plinth.



**Twin castors**  
The twin castors may be screw-fastened directly to the enclosure corner piece from the outside. Mounting on the VX base/plinth system is also supported via an adaptor.



**Transportation**  
Easily transported by forklift or lifting truck with the front trim panel dismantled, even with bayed enclosures. Alternatively, the transport castors can be used for internal transportation.



**Base mounting bracket**  
With the base mounting bracket, the base/plinth is easily and securely attached to its final position on the floor, even retrospectively with the enclosure already fitted. Assembly occurs via the large base opening in the enclosure.



**Levelling component**  
The levelling component may be used for retrospective levelling on uneven floors. Unevenness of up to 15 mm can be compensated in this way.



# Base/plinth system VX



# Base/plinth

## Base/plinth system VX

### Modular base/plinth diversity

The new, innovative base/plinth system VX offers an unprecedented diversity of functions and applications. It combines all existing base/plinth functions in a single solution, as well as opening up many new applications. As if that isn't enough, it is also compatible with existing enclosure solutions VX, VX IT, VX SE, TX, PC, CX console systems and IW. In short, it is a base/plinth system.

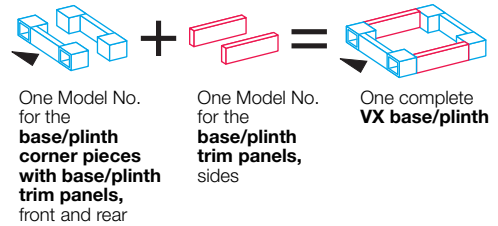
The base/plinth system VX comprises the following components:

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

The base/plinth system is designed for maximum stability and produces a flush surface in bayed suites. The vented trim panels and trim panels with brush strips available as accessories can also be attached at the sides or exchanged for front/rear trim panels.

Depending on the application, for example, users can dispense with the trim panels between bayed enclosure suites, or a 100 mm or 200 mm high trim panel may be used to stabilise the base/plinth corner pieces.

In combination with its extensive range of accessories, and thanks to its compatibility with enclosure accessories, the base/plinth system VX offers almost infinite possibilities in terms of siting, transportation, cable routing, cable attachment and base/plinth configuration.



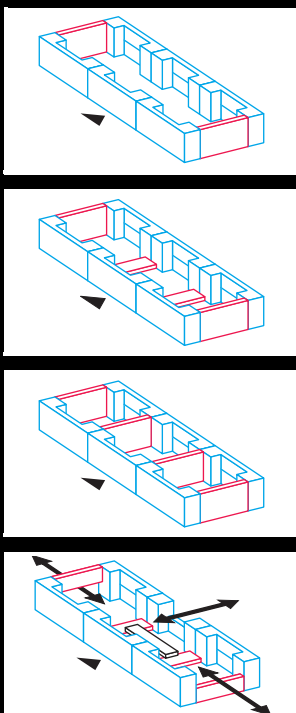
Base/plinth	Basic form	Cable entry options				Stabilisation of bayed base/plinths	
		100 mm					
200 mm							

### Configuration examples

Order includes	Functional benefits
3 packs of Base/plinth corner pieces with base/plinth trim panels 1 pack of Base/plinth trim panels, sides, 200 mm high	Continuous cable chamber
3 packs of Base/plinth corner pieces with base/plinth trim panels 1 pack of Base/plinth trim panels, sides, 200 mm high 1 pack of Base/plinth trim panels, sides, 100 mm high or 1 pack of Base/plinth trim panels, sides, 200 mm high 1 pack of VX base/plinth baying bracket (8660.140, packs of 20) 4 pc(s). are required for this solution	Additional stability during transportation with base/plinth trim panels rotated through 90°
3 packs of Base/plinth corner pieces with base/plinth trim panels 2 packs of Base/plinth trim panels, sides, 200 mm high	Shielding of the base/plinths from one another

Other options:

- Cable entry at the side by fitting a 100 mm base/plinth trim panel with brush strip
- Cable entry from the rear by dismantling one or more trim panels from the base/plinth corner pieces and replacing them with trim panels with brush strips
- Cable routing in the base/plinth by using punched sections with mounting flanges on the base/plinth trim panels



# Base/plinth

## Base/plinth system VX

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

#### Sheet 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: Sheet steel
- Base/plinth trim panel front/rear: Sheet steel
- Corner cover: Plastic

#### Colour:

- 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.
300	<b>8660.000</b>
400	<b>8660.001</b>
600	<b>8660.002</b>
800	<b>8660.003</b>
850	<b>8660.004</b>
1000	<b>8660.005</b>
1100	<b>8660.006</b>
1200	<b>8660.007</b>
1600	<b>8660.008</b>
1800	<b>8660.009</b>

#### 200 mm high

For enclosure width mm	Model No.
300	<b>8660.020</b>
400	<b>8660.021</b>
600	<b>8660.022</b>
800	<b>8660.023</b>
1000	<b>8660.024</b>
1200	<b>8660.025</b>
1600	<b>8660.026</b>
1800	<b>8660.027</b>



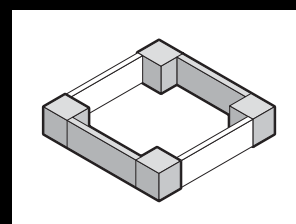
#### Also required:

- Base/plinth trim panels, sides, to finish off a unit, for additional stabilisation between base/plinths, or for interior configuration, see page 92



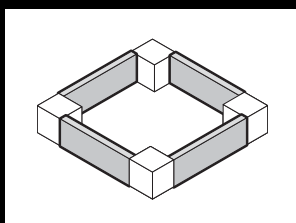
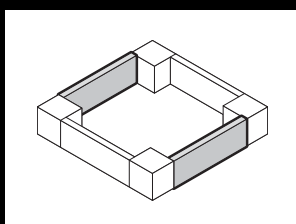
#### Accessories:

- Base/plinth trim panels with brush strip, see page 92
- Base/plinth trim panels, vented, see page 93
- Trim panel attachment for base/plinth trim panels, vented and base/plinth trim panels with brush strip, see page 96
- Base/plinth installation bracket, see page 95
- Levelling component for base/plinth, see page 96
- Base mounting bracket, see page 94
- Base/plinth adaptor for twin castors or levelling feet, see page 99
- Base/plinth baying bracket, see page 94
- Transport castors for VX base/plinth, see page 94
- VX support/spacer bracket, see page 95



# Base/plinth

## Base/plinth system VX



### Base/plinth trim panels, sides

#### Sheet 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:

- Sheet steel

#### Colour:

- RAL 9005

#### Supply includes:

- 2 base/plinth trim panels
- Assembly parts

#### 100 mm high

For enclosure depth mm	Model No.
300	<b>8660.030</b>
400	<b>8660.031</b>
500	<b>8660.032</b>
600	<b>8660.033</b>
800	<b>8660.034</b>
1000	<b>8660.035</b>
1200	<b>8660.036</b>

#### 200 mm high

For enclosure depth mm	Model No.
300	<b>8660.040</b>
400	<b>8660.041</b>
500	<b>8660.042</b>
600	<b>8660.043</b>
800	<b>8660.044</b>
1000	<b>8660.045</b>
1200	<b>8660.046</b>

#### Accessories:

- Base/plinth installation bracket, see page 95
- VX support/spacer bracket, see page 95

#### Possible alternative:

- Base/plinth trim panels with brush strip, see page 92
- Base/plinth trim panels, vented, see page 93
- Trim panel attachment for base/plinth trim panels, vented and base/plinth trim panels with brush strip, see page 96

### Base/plinth trim panels with brush strip

#### Sheet steel

For cable entry in the base/plinth. With a base/plinth height of 200 mm, one or two trim panels with brush strips may optionally be used. The trim panels with brush strip may either be fitted at the front, rear or side of the base/plinth corner piece.

#### Material:

- Base/plinth trim panels: Sheet steel
- Brush strip: Plastic, self-extinguishing

#### Colour:

- RAL 9005

#### Supply includes:

- 2 base/plinth trim panels with brush strip
- Assembly parts

For enclosure width/depth mm	Model No.
600	<b>8660.092</b>
800	<b>8660.093</b>
1000	<b>8660.094</b>
1200	<b>8660.095</b>

#### Also required:

- A trim panel attachment bracket for vented base/plinth trim panels and base/plinth trim panels with brush strip is required to be able to attach the trim panels at the sides, see page 96

# Base/plinth

## Base/plinth system VX

### Base/plinth trim panels, vented

#### Sheet steel

For venting the enclosure via the base/plinth. Specifically in applications such as power distribution where the enclosure gland plates are not used, this can be used to achieve a higher air throughput inside the enclosure. Various solutions to raise the roof and special roof plates with vent openings are also available for enclosure venting. With a 200 mm base/plinth height, one or two vented trim panels may optionally be used. The vented trim panels may either be fitted at the front, rear or side of the base/plinth corner piece.

#### Material:

- Sheet steel

#### Colour:

- RAL 9005

#### Supply includes:

- 2 base/plinth trim panels, vented
- Assembly parts for mounting on the base/plinth corner piece

For enclosure width/depth mm	Model No.
600	<b>8660.090</b>
800	<b>8660.091</b>



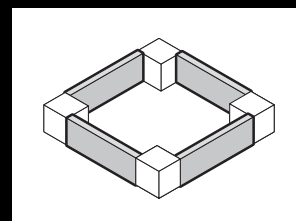
#### Also required:

- A trim panel attachment bracket for vented base/plinth trim panels and base/plinth trim panels with brush strip is required to be able to attach the trim panels at the sides, see page 96



#### Accessories:

- Spacers for lifting the roof, see page 147
- Roof plate with vent holes, see page 148



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

#### Stainless 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 base/plinth corner piece for optimum access to the screw-fastening point, may be concealed with a plastic corner and baying cover.

#### Material:

- Base/plinth corner piece: Stainless steel 1.4301 (AISI 304)
- Base/plinth trim panel, front/rear: Stainless steel 1.4301 (AISI 304)
- Corner and baying cover: Plastic

#### Surface finish

- Trim panels: Brushed, grain 400

#### 100 mm high supply includes:

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

For enclosure width mm	Height mm	Model No.
600	100	<b>8620.050</b>
800	100	<b>8620.051</b>
1000	100	<b>8620.052</b>
1200	100	<b>8620.053</b>
600	200	<b>8620.060</b>
800	200	<b>8620.061</b>
1000	200	<b>8620.062</b>
1200	200	<b>8620.063</b>



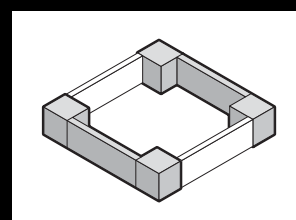
#### Also required:

- Base/plinth trim panels, sides, to finish off a unit, for additional stabilisation between base/plinths, or for interior configuration, see page 94



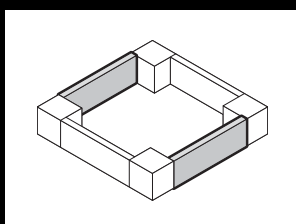
#### Accessories:

- Base/plinth installation bracket, see page 95
- Base mounting bracket, see page 94
- Base/plinth adaptor for twin castors or levelling feet, stainless steel, see page 99



# Base/plinth

## Base/plinth system VX



### Base/plinth trim panels, sides

#### Stainless 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:

- Stainless steel 1.4301 (AISI 304)

#### Surface finish:

- Brushed, grain size 400

#### Supply includes:

- 2 base/plinth trim panels
- Assembly parts

For enclosure depth mm	Height mm	Model No.
400	100	<b>8620.070</b>
500	100	<b>8620.071</b>
600	100	<b>8620.072</b>
400	200	<b>8620.080</b>
500	200	<b>8620.081</b>
600	200	<b>8620.082</b>



#### Accessories:

- Base/plinth installation bracket, see page 95

### Transport castors

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

#### Load capacity:

- Maximum permissible load per twin castor: 1000 N

#### Colour:

- RAL 9005

#### Supply includes:

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

Floor clearance mm	Model No.
100	<b>8660.110</b>



#### Accessories:

- Base/plinth trim panels, sides, for stabilisation, see page 92

### Base mounting bracket

For attaching the base/plinth to the floor. For assembly screws up to 12 mm Ø.

#### Material:

- Sheet steel

#### Surface finish:

- Zinc-plated

Packs of	Model No.
10 pc(s).	<b>8660.100</b>

### Base/plinth baying bracket

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

Required if the 100 mm or 200 mm side base/plinth trim panels are mounted rotated through 90° for additional stabilisation during the transportation of bayed enclosures.

#### Material:

- Sheet steel

#### Surface finish:

- Zinc-plated

#### Supply includes:

- Screws M8 x 16 mm

Packs of	Model No.
20 pc(s).	<b>8660.140</b>

#### Note:

- Required per trim panel: 2 pc(s).

# Base/plinth

## Base/plinth system VX

### Base/plinth installation bracket

For configuring the base/plinth with punched sections with mounting flanges. To fit 100 and 200 mm high base/plinth trim panels and corner pieces.

**Material:**

- Sheet steel, zinc-plated

**Supply includes:**

- 2 installation brackets
- Assembly parts

**Note:**

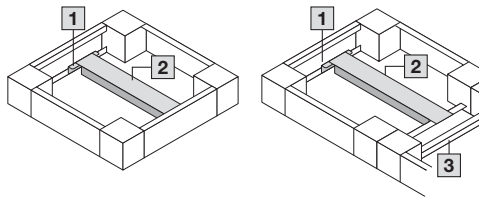
- For interior installation on upright base/plinth trim panels
- For base/plinth trim panels rotated through 90°, the installation bracket is not needed, because in this position, the system punchings of the base/plinth trim panels may be used directly.

- 1** Installation bracket
- 2** Punched section with mounting flange, 23 x 89 mm
- 3** Base/plinth trim panel, rotated through 90°

For base/plinth trim panel Height mm	Packs of	Model No.
100	2 pc(s).	<b>8660.400</b>
200	2 pc(s).	

**+** **Accessories:**

- Punched section with mounting flange, 23 x 64 mm, see page 166
- Punched section with mounting flange, 23 x 89 mm, see page 167



### Support/spacer bracket VX

For configuring the base/plinth with cable clamp rails or C rails. To fit 100 and 200 mm high base/plinth trim panels and base/plinth corner pieces. The VX support/spacer bracket can also be fastened to the VX25 frame section.

**Material:**

- Die-cast zinc

**Supply includes:**

- 2 support/spacer brackets
- Assembly parts

**Note:**

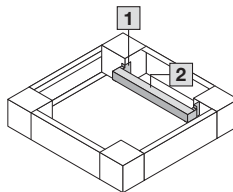
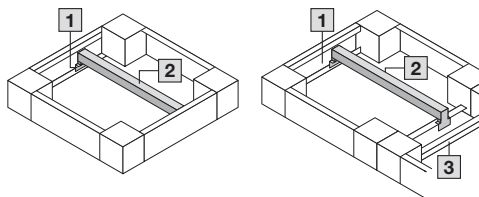
- For interior installation on upright base/plinth trim panels and base/plinth trim panels rotated through 90° as well as on base/plinth corner pieces.

- 1** Support/spacer bracket VX
- 2** Cable clamp rail with right angle section
- 3** Base/plinth trim panel, rotated through 90°

Packs of	Model No.
2 pc(s).	<b>8619.470</b>

**+** **Accessories:**

- Cable clamp rails with right angle section, see page 206
- Cable clamp rail with C section, see page 206
- C rail 30/15, see page 169



# Base/plinth

## Base/plinth system VX



### Levelling 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>

### Cross member

#### adjustable

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

To increase stability, the cross member is positioned below the base frame of the enclosure and protrudes 138 mm 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	<b>8601.450</b>
500	
600	<b>8601.680</b>
800	

#### Accessories:

- Twin castors 6148.000, 7495.000, see page 98
- Levelling feet 4612.000, see page 98

#### Assembly

- Ensure sufficient stability to prevent the enclosure from tipping over

### Filter mat

#### for base/plinth trim panel, vented

The filter mat is simply inserted into the trim panel from the rear.

#### Supply includes:

- 1 pack = 2 rolls, length 2 m each, may be shortened to required length

Packs of	Model No.
1 pc(s).	<b>8620.100</b>

### Trim panel attachment

For mounting base/plinth trim panels, vented and base/plinth trim panels with brush strip in the depth.

#### Material:

- Sheet steel

#### Surface finish:

- Zinc-plated

Packs of	Model No.
4 pc(s).	<b>8660.096</b>

#### Note:

- One pack is sufficient for attaching two trim panels



# Base/plinth

## Base/plinth system VX

### Cable chamber

With integral system punchings for individual system accessories.

Height: 200 mm

**Material:**

- Sheet steel

**Colour:**

- RAL 7035

**Supply includes:**

- 1 frame
- 2 trim panels front/rear
- Assembly parts for mounting on the enclosure

For enclosures		Packs of	Model No.
Width mm	Depth mm		
400	500	1 pc(s).	<b>8600.455</b>
400	600	1 pc(s).	<b>8600.465</b>
600	500	1 pc(s).	<b>8600.655</b>
600	600	1 pc(s).	<b>8600.665</b>
800	500	1 pc(s).	<b>8600.855</b>
800	600	1 pc(s).	<b>8600.865</b>
1200	500	1 pc(s).	<b>8600.255</b>
1200	600	1 pc(s).	<b>8600.265</b>



**Accessories:**

- Side panels for cable chamber, see page 97



### Side panel for cable chamber

Height: 200 mm

**Material:**

- Sheet steel

**Colour:**

- RAL 7035

**Supply includes:**

- 2 side panels
- Assembly parts

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



### Paint

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

	Colour	Model No.
Spray can 150 ml	RAL 9005	<b>2440.905</b>



# Base



## Levelling feet

To compensate for height differences with floor irregularities. Mounting thread M12.

### Load capacity:

- Max. admissible load: approx. 3000 N per levelling foot

Material	Levelling range mm	Packs of	Model No.
Sheet steel	18 – 43	4 pc(s).	<b>4612.000</b>
Stainless steel	30 – 110	4 pc(s).	<b>8100.780</b>



### Also required:

- For mounting on the base/plinth: Base/plinth adaptor, see page 99



## Levelling feet

### 85 – 115 mm high

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

### Load capacity:

- Max. admissible load: 3,500 N per levelling foot

### Material:

- Stainless steel 1.4301 (AISI 304)

### Supply includes:

- Assembly parts

Packs of	Model No.
4 pc(s).	<b>2859.000</b>



## Twin castors

For mobile use, for mounting directly on the enclosure. Mounting thread M12 x 20.

### Supply includes:

- Packs of 4 twin castors, 2 x with, 2 x without locks
- Assembly parts

	Maximum admissible load (per castor)	750 N
	Floor clearance	85 mm
<b>1</b>	Lock	2 with, 2 without
	Packs of	4 pc(s).
	Colour	Black with grey running surface
	<b>Model No.</b>	<b>6148.000</b>



	Maximum admissible load (per castor)	1200 N
	Floor clearance	125 mm
<b>2</b>	Lock	2 with, 2 without
	Packs of	4 pc(s).
	Colour	Black
	<b>Model No.</b>	<b>7495.000</b>



### Also required:

- For mounting on the base/plinth: Base/plinth adaptor, see page 99

## Base/plinth adaptor

### for twin castors or levelling feet

For mounting twin castors or levelling feet to the base/plinth.

Design	Material	Packs of	Model No.
1 For twin castors	Sheet steel	4 pc(s).	8660.130
2 For levelling feet	Sheet steel	4 pc(s).	8660.131
3 For twin castors and levelling feet	Stainless steel	4 pc(s).	8100.771



#### Also required:

- When fitting twin castors, side trim panels, see page 92, are required.

#### Note:

- Combined with twin castors, the admissible overall weight load is 3000 N



## System divider

Divides the enclosure width into two zones. For example, this allows mounting plates, cable clamp rails or swing frames from 600 mm wide enclosures to be fitted in 1200 mm wide enclosures.

#### Material:

- Sheet steel

#### Surface finish:

- Zinc-plated

#### Supply includes:

- Assembly parts

Depth	Packs of	Model No.
600	2 pc(s).	8620.901

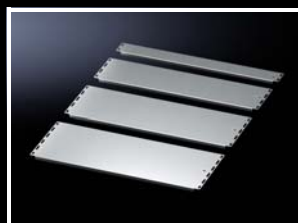


#### Accessories:

- Swing frame mounting kit, see page 212
- Cable clamp rail, see page 206
- Support rails 48 x 26 mm, see page 169



# Base



## Gland plates

For individual configuration of the floor space. Potential equalisation is provided via assembly components and earthing points.

### Material:

- Sheet steel

### Surface finish:

- Zinc-plated

### Supply includes:

- Assembly parts

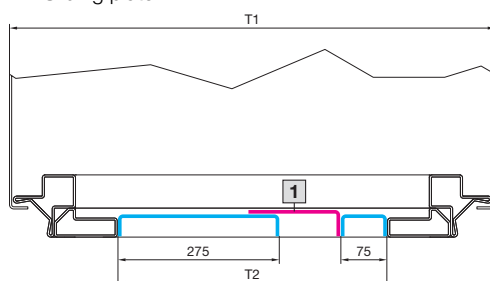
### Note:

- At least one sliding plate is required to fully seal a base opening
- For two-door enclosures, one pack is sufficient for one half of the enclosure

### Example with enclosure depth 600 mm

T1 (600 mm) - 148 = T2 (452 mm)

1 Sliding plate



### + Accessories:

- Sliding plate, see page 100

### For enclosure width 600 mm

Depth mm	Packs of	Model No.
75	1 pc(s).	<b>8001.210</b>
175	1 pc(s).	<b>8001.214</b>
237.5	1 pc(s).	<b>8001.218</b>
275	1 pc(s).	<b>8001.222</b>

### For enclosure width 800 mm

Depth mm	Packs of	Model No.
75	1 pc(s).	<b>8001.211</b>
175	1 pc(s).	<b>8001.215</b>
237.5	1 pc(s).	<b>8001.219</b>
275	1 pc(s).	<b>8001.223</b>

### For enclosure width 1000 mm

Depth mm	Packs of	Model No.
75	1 pc(s).	<b>8001.212</b>
175	1 pc(s).	<b>8001.216</b>
237.5	1 pc(s).	<b>8001.220</b>
275	1 pc(s).	<b>8001.224</b>

### For enclosure width 1200 mm

Depth mm	Packs of	Model No.
75	1 pc(s).	<b>8001.213</b>
175	1 pc(s).	<b>8001.217</b>
237.5	1 pc(s).	<b>8001.221</b>
275	1 pc(s).	<b>8001.225</b>



## Sliding plate

For variable compensation as well as a flexible opening in the base area. May be combined with gland plates.

### Gland plate depth:

- 65 – 115 mm

### Material:

- Sheet steel

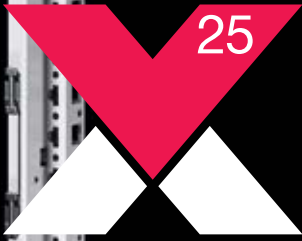
### Surface finish:

- Zinc-plated

### Supply includes:

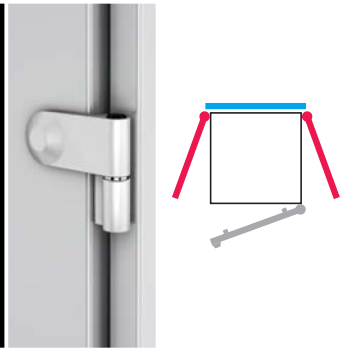
- Assembly parts

For enclosure width mm	Packs of	Model No.
600	1 pc(s).	<b>8001.239</b>
800	1 pc(s).	<b>8001.241</b>
1000	1 pc(s).	<b>8001.242</b>
1200	1 pc(s).	<b>8001.243</b>

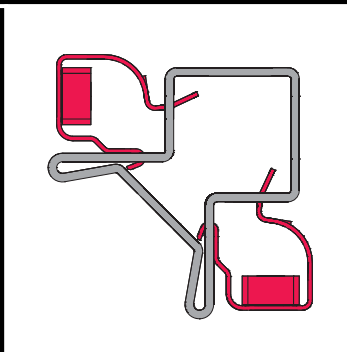
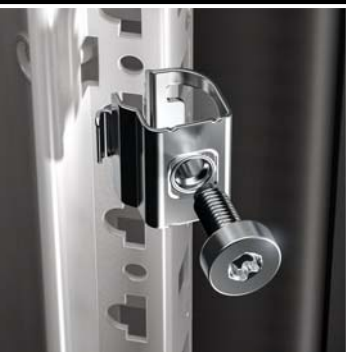




**Side panels**  
Simple one-man installation with the positioning aid provided as standard.



**Hinge**  
The hinge for side panels provides unhindered access from the side at any time, so the side panel can be opened at an angle of 180°.



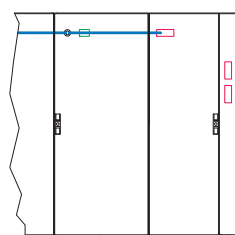
**Side panel holder**  
The side panel holders are easily retro-fitted and removed at any time because they simply clip into position from the outside, even with the rear panel fitted. Internal earthing inserts ensure automatic potential equalisation, while at the same time guaranteeing enhanced EMC protection.



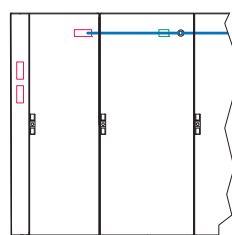
**Divider panel for module plates**  
A complete system comprised of a divider panel, module plates and adaptors, and even a cover with a door, is available for mounting heavy connectors. It goes without saying that the door can also be integrated into the complete lock system, with all its variants.



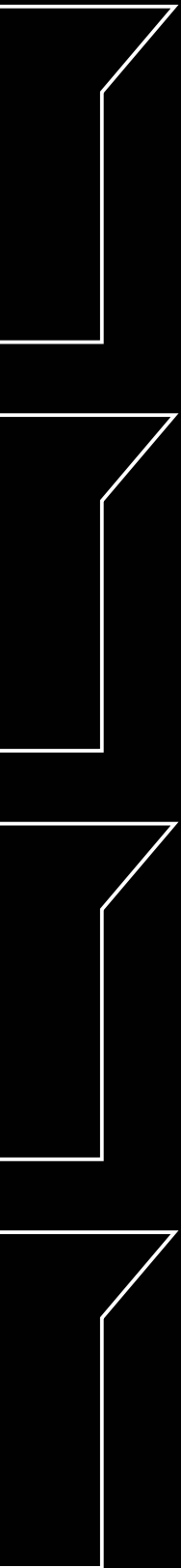
Right



Left

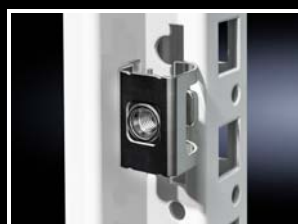


**Isolator door cover**  
The solution for all switchgear subject to the requirements of UL 508 A for bayed enclosure suites. The isolator door cover can be used on the left or right, and is finished off with the standard side panel.



# Walls

## Side panels



### Side panels, screw-fastened, sheet steel

- Time-saving assembly thanks to clip-in side panel holders
- Automatic potential equalisation and higher EMC protection, thanks to enclosure panel holders with earthing inserts located on the inside
- Easy positioning in the height and depth with the location aid
- One-person assembly
- Earthing bolts with large, paint-free contact surface for optimum contact

**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 (in conjunction with enclosures from the VX series)

**Supply includes:**

- Assembly parts

For enclosures		Packs of	Model No.
Height mm	Depth mm		
1200	500	2 pc(s).	<b>8115.245</b>
1400	500	2 pc(s).	<b>8145.245</b>
1600	500	2 pc(s).	<b>8165.245</b>
1600	600	2 pc(s).	<b>8166.245</b>
1600	800	2 pc(s).	<b>8168.245</b>
1800	400	2 pc(s).	<b>8184.245</b>
1800	500	2 pc(s).	<b>8185.245</b>
1800	600	2 pc(s).	<b>8186.245</b>
2000	400	2 pc(s).	<b>8104.245</b>
2000	500	2 pc(s).	<b>8105.245</b>
2000	600	2 pc(s).	<b>8106.245</b>
2000	800	2 pc(s).	<b>8108.245</b>
2200	600	2 pc(s).	<b>8126.245</b>
2200	800	2 pc(s).	<b>8128.245</b>



**Accessories:**

- Hinge for side panel, screw-fastened, sheet steel, see page 105



### Side panels, screw-fastened, stainless steel

- Time-saving assembly thanks to clip-in side panel holders
- Automatic potential equalisation and higher EMC protection, thanks to enclosure panel holders with earthing inserts located on the inside
- Easy positioning in the height and depth with the location aid
- One-person assembly
- Earthing bolts with large, paint-free contact surface for optimum contact

**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 (in conjunction with enclosures from the VX series)

**Supply includes:**

- Assembly parts

For enclosures		Packs of	Model No.
Height mm	Depth mm		
1800	400	2 pc(s).	<b>8700.030</b>
1800	500	2 pc(s).	<b>8700.040</b>
2000	600	2 pc(s).	<b>8700.050</b>



### Hinge

**for side panel, screw-fastened, sheet steel**

The 180° opening angle allows unhindered access from the side.

**Material:**

- Die-cast zinc

**Colour:**

- RAL 7035

**Protection category IP to IEC 60 529:**

- IP 55

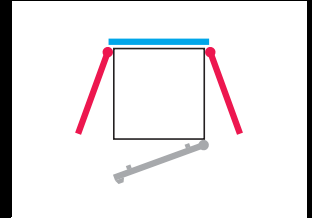
**Supply includes:**

- Assembly parts

Packs of	Model No.
6 pc(s).	<b>8106.260</b>

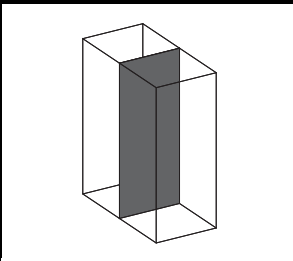
**Note:**

- Hinge mounting (red) is only possible in the vicinity of the rear panel (blue)
- Only for use with a side panel depth of 800 mm or less



# Walls

## Divider panels/partitions



### Divider panel

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.

#### Material:

- Sheet steel, 1.5 mm

#### Surface finish:

- Zinc-plated

#### Protection category IP to IEC 60 529:

- IP 54

#### Supply includes:

- Assembly parts



#### Also required:

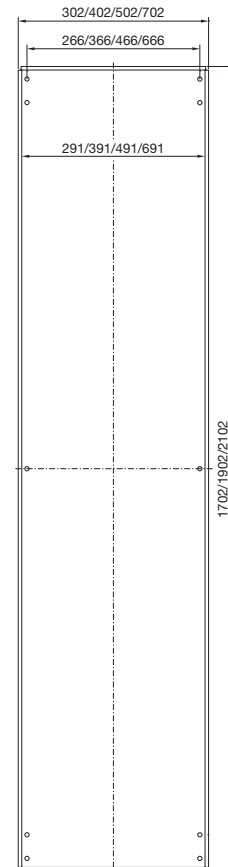
- When buying in conjunction with a divider panel:  
Baying bracket, internal 8617.500, see page 114  
or  
baying connector, external 8617.502,  
see page 114



#### Accessories:

- Cover with door, see page 109

For enclosures		Model No.
Height mm	Depth mm	
1800	400	<b>8609.200</b>
1800	500	<b>8609.201</b>
1800	600	<b>8609.202</b>
2000	400	<b>8609.203</b>
2000	500	<b>8609.204</b>
2000	600	<b>8609.205</b>
2000	800	<b>8609.206</b>
2200	600	<b>8609.207</b>



## Divider panels/partitions

### Divider panel

#### for module plates

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. The symmetry of the enclosure frame means that divider panels may also be fitted at the rear, dimensions permitting.

#### Material:

- Sheet steel, 2 mm

#### Surface finish:

- Zinc-plated

#### Supply includes:

- Assembly parts



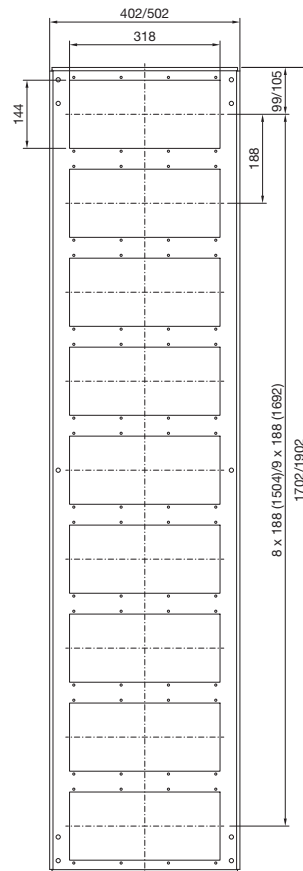
#### Also required:

- When buying in conjunction with a divider panel:  
Baying bracket, internal 8617.500, see page 114  
or  
baying connector, external 8617.502,  
see page 114

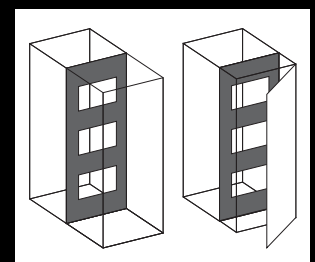
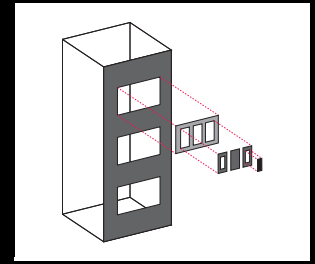


#### Accessories:

- Module plates, see page 108
- Cover with door, see page 109
- Baying bracket, internal, see page 114



For enclosures		Number of cut-outs	Model No.
Height mm	Depth mm		
1800	500	9	<b>8609.210</b>
1800	600	9	<b>8609.211</b>
2000	500	10	<b>8609.212</b>
2000	600	10	<b>8609.213</b>



# Walls

## Divider panels/partitions

### Module plates

**Material:**

- Sheet steel, 2 mm

**Surface finish:**

- Zinc-plated

**Supply includes:**

- Seal

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



**Solid**

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



**For 16/24-pole connectors**

With cut-outs to accommodate connectors.



**Accessories:**

- Adaptor, cover plate, see page 109
- Connector gland for connector cut-outs, see page 109
- Sealing frame, modular, see page 203



**For cable entry**

For inserting 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 207



**With cable sleeve**

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

## 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).	<b>2479.000</b>
From 24 to 10 poles	5 pc(s).	<b>2480.000</b>
From 24 to 6 poles	5 pc(s).	<b>2481.000</b>
From 16 to 10 poles	5 pc(s).	<b>2401.000</b>
From 16 to 6 poles	5 pc(s).	<b>2402.000</b>



### 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).	<b>2477.000</b>
16-pole cut-outs	20 pc(s).	<b>2478.000</b>



### Connector gland

#### for connector cut-outs (24-pole)

For inserting 2 pre-assembled cables through the connector cut-out, without dismantling the cable connector.

Cable diameter: 8 – 36 mm

#### Material:

– Enclosure: Plastic  
– Clamps: Sheet steel

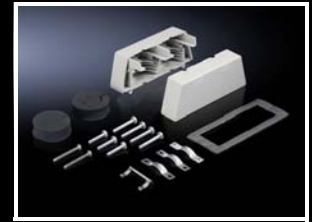
#### Surface finish:

– Clamps: Zinc-plated

#### Supply includes:

– Assembly parts

Packs of	Model No.
1 pc(s).	<b>2400.000</b>



### Cover with door

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

#### Material:

– Cover with door: Sheet steel, 1.5 mm  
– Door: Sheet steel, 2.0 mm

#### Surface finish:

– Spray-finished

#### Colour:

– RAL 7035

#### Protection category IP to IEC 60 529:

– IP 55

#### Protection category to NEMA:

– NEMA 12

#### Supply includes:

– Cover  
– Door with locking rod and double-bit lock insert  
– 2 trim panels for top and bottom

For enclosures		Model No.
Height mm	Depth mm	
2000	500	<b>8609.220</b>
2000	600	<b>8609.230</b>

#### Accessories:

– Lock inserts, type G, see page 131  
– Comfort handle, see page 130  
– 180° hinge, see page 121



# Walls

## Isolator door locking



### Isolator door cover

Including main door latch for safety locking of enclosures and bayed enclosure suites in accordance with UL regulations. Tested in conjunction with actuator lever for master switch from the following companies:

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

A detailed overview of types can be found on the Internet, together with the product description.

#### Benefits:

- Meets the requirements of UL 508 A
- In conjunction with the operating mechanism, adjacent door lock and interconnecting rods, these requirements are also met for bayed combinations
- Optional mounting on the left or right of the enclosure. With this cover, all single-door bayed enclosures may be configured as isolator door enclosures. The complete installation surface of the enclosure is retained.
- In conjunction with the integrated mounting plate infill, the mounting surface of the main enclosure can be enlarged by up to 14%.
- Two cut-outs for actuator levers on the front, for internal mounting at varying heights

#### Material:

- Sheet steel, 1.5 mm

#### 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

#### Note:

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



#### Also required:

- Operating mechanism 4912.000, for enclosure with isolator door cover and additionally in every fourth adjacent enclosure, see page 111
- Adjacent door latch 4911.000, 4911.100, for every adjacent enclosure, see page 111
- Interconnecting rods, for every adjacent enclosure in the appropriate enclosure width, see page 111
- Side panel, screw-fastened, see page 104



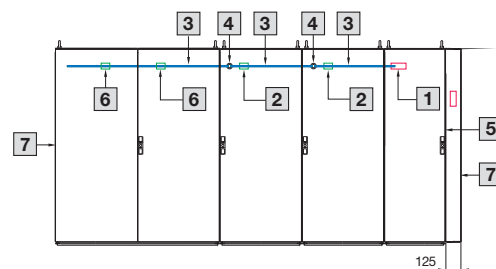
#### Accessories:

- Mounting plate infill, see page 153

#### Isolator door locking

- 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, screw-fastened

Installation to the right of the enclosure



Width mm	Height mm	Depth mm	Material thickness mm	Surface finish	Colour	Model No.	
						Sheet steel	Stainless steel 1.4301 (AISI 304)
103	1800	400	1.5	Powder-coated	RAL 7035	<b>8951.020</b>	-
103	1800	400	1.5	Brushed, grain size 400	-	-	<b>8952.020</b>
103	1800	500	1.5	Powder-coated	RAL 7035	<b>8951.030</b>	-
103	1800	500	1.5	Brushed, grain size 400	-	-	<b>8952.030</b>
103	2000	500	1.5	Powder-coated	RAL 7035	<b>8951.000</b>	-
103	2000	600	1.5	Powder-coated	RAL 7035	<b>8951.010</b>	-
103	2000	600	1.5	Brushed, grain size 400	-	-	<b>8952.010</b>

## Isolator door locking

### Door latch for bayed enclosure suites

In conjunction with the isolator door cover, the requirements of UL 508 A are also met for bayed enclosure suites. Depending on the baying combination, different components will be required; refer to the assembly sketch on page 110.

**Note:**

- The door latch for bayed enclosure suites can also be used without the isolator door cover and in combination with commercially available master switches. In this way, 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

	Packs of	Model No.
Operating mechanism	1 pc(s).	<b>4912.000</b>

**2 Adjacent door latch**

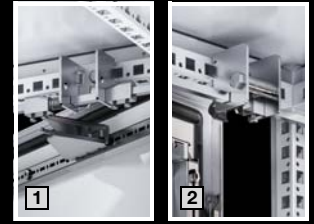
Installation in adjacent enclosure

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

**3 Interconnecting rods**

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

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



# Baying system



**Baying connector, external**  
Simple baying on the vertical sections, even retrospectively, if installed equipment makes it difficult or impossible to bay from the inside.



**Baying block, internal**  
Flexible positioning at the baying point, flush with the enclosure section on a 25 mm pitch pattern. Top-mounting of the baying block is easily achieved. Enclosures are easily pushed together.



**Baying cover, top**  
Reliably protects the baying point at the top to prevent the accumulation of dirt and liquids.



**Baying seal**  
Fast, secure-fit, all-round attachment of the baying seal onto the section edge; easily removed at any time without leaving any residues. Lends itself readily to reuse.





## Baying bracket, internal

For flexible positioning at the baying point on a 25 mm pitch pattern, thereby avoiding collisions with equipment installed across multiple enclosures. The option of screw-fastening the baying bracket from the side makes it easy to push enclosures together.

## Combination angle

The combination angle can be exchanged for the roof mounting screw, to ensure optimum load distribution among the enclosure corner points when bayed enclosure suites are transported by crane.

## Angular baying bracket

For stable connection in the corners of bayed enclosures. Perfectly suited for aligning enclosures with one another on uneven floors.

## Baying kit, VX25 to TS 8

Ensures the secure baying of a VX25 when extending existing TS 8 enclosure suites.

# Baying system

## Baying



### Baying bracket, internal

- Fast, secure installation either from the front or from the side
- For all-round installation on the baying point
- May be flexibly positioned to avoid collisions with installed equipment

**Material:**

- Sheet steel

**Surface finish:**

- Zinc-plated

**Supply includes:**

- Baying bracket, internal
- Baying seal
- Assembly parts

Packs of	Model No.
6 pc(s).	<b>8617.500</b>

**Note:**

- 1 pack is sufficient for one baying joint

**↔ Possible alternative:**

- Baying block, internal, see page 114
- Baying connector, external 8617.502, see page 114



### Baying block, internal

- Side mounting creates a flush surface to the extrusion, suitable for top mounting, thus avoiding collisions with installed equipment
- For all-round installation on the baying point

**Material:**

- Die-cast zinc

**Supply includes:**

- Baying block, internal
- Baying seal
- Assembly parts

Packs of	Model No.
6 pc(s).	<b>8617.501</b>

**Note:**

- 1 pack is sufficient for one baying joint

**↔ Possible alternative:**

- Baying bracket, internal, see page 114
- Baying connector, external 8617.502, see page 114



### Baying connector, external

For mounting on the vertical enclosure sections from the outside.

**Supply includes:**

- Baying connector, external
- Baying seal
- Assembly parts

Material	Packs of	Model No.
Sheet steel, zinc-plated	6 pc(s).	<b>8617.502</b>
Stainless steel 1.4301 (AISI 304)	6 pc(s).	<b>8617.503</b>

**Note:**

- 1 pack is sufficient for one baying joint

**↔ Possible alternative:**

- Baying bracket, internal, see page 114
- Baying block, internal, see page 114

# Baying system

## Baying

### Quick-fit baying clamps

- For all-round installation on the baying point
- May be flexibly positioned to avoid collisions with installed equipment
- Simply tighten the screws, tap in the quick-fit baying clamp, pull the enclosures together and secure
- Additional mounting level between bayed enclosures, e.g. for mounting cable ducts

**Material:**

- Sheet steel

**Surface finish:**

- Zinc-plated

**Supply includes:**

- Assembly parts

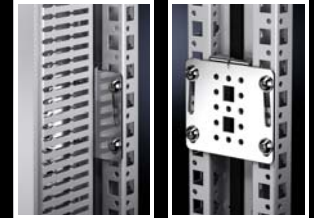
Packs of	Model No.
6 pc(s).	8617.506

**Note:**

- 1 pack is sufficient for one baying joint

**Accessories:**

- Baying seal 8617.507, see page 115



### Angular baying bracket

For stable connection in the corners of bayed enclosures. Perfectly suited for aligning enclosures with one another on uneven floors.

**Material:**

- Sheet steel

**Surface finish:**

- Zinc-plated

**Supply includes:**

- Assembly parts

Packs of	Model No.
4 pc(s).	8617.508

**Note:**

- 1 pack is sufficient for one baying joint
- To achieve the required protection category and transportation stability, further baying connectors should be used halfway up the enclosure



### Baying seal

May be used individually for baying on all existing enclosure sizes. The seal sits securely around the section edge, and is easily removed at any time without leaving any residues. It is also reusable.

Packs of	Model No.
1 pc(s).	8617.507

**Material:**

- EPDM

**Supply includes:**

- 8 m



# Baying system

## Baying



### Combination angle

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

**Supply includes:**

- Assembly parts

Material	Packs of	Model No.
Sheet steel	4 pc(s).	<b>4540.000</b>
Stainless steel	2 pc(s).	<b>4540.500</b>

**+ Accessories:**

- Baying cover, top, see page 116



### 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 accumulating on the baying seal.

**Supply includes:**

- Assembly parts

**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 146

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



### 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).	<b>8800.875</b>

**! Also required:**

- Baying connector, external, 8617.502, see page 114



### Baying kit, VX25 to TS 8

For extending existing TS 8 bayed enclosure suites with VX25 enclosures.

**Material:**

- Baying connector: Sheet steel

**Supply includes:**

- 8 baying connectors
- 1 seal
- Assembly parts

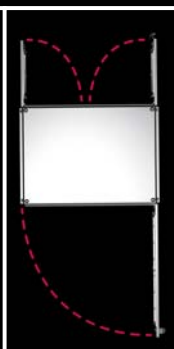
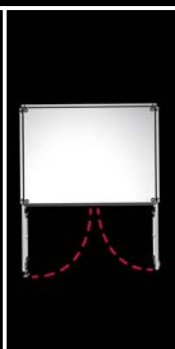
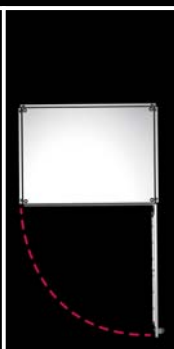
Packs of	Model No.
1 pc(s).	<b>8617.505</b>





### Glazed door

The glazed door is easily replaced for a sheet steel door, without the need for machining. The single-pane safety glass features a designer grid pattern print at the top and bottom. The glazed door is pre-fitted as standard with 180° hinges.



### Lockable and adjacent door

In 800 mm wide enclosures, the one-piece standard door may be replaced for a two-piece lockable and adjacent door, so that mandatory escape routes can still be observed in confined spaces. The lockable and adjacent door may also be fitted instead of the rear panel.



### Protective bar

In open control systems, the protective bar prevents people from falling into the switchgear. In combination with the hinged trim panel, top, this allows the safe accommodation of display and control components despite the open switchgear.



### Modular climate control concept

The modular climate control concept allows cooling unit components up to 2500 W to be integrated into the enclosure door, without the need for machining. The standard door is easily replaced for the modular climate control door. In two-door enclosures, either the lockable door or the adjacent door may be exchanged for a modular climate control door.



### Partial doors

Partial doors allow individual configuration of the enclosure front. Sheet steel variants and variants with a viewing window are available.



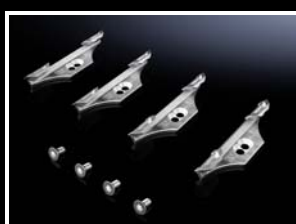
### Transport and mounting handle

The transport and mounting handle is an ergonomic tool to make the fitting and removal of doors easier. It is simply suspended from the tubular door frame.



# Doors/locks

## Door options



### Glazed door

Instead of a sheet steel door or rear panel.

**Material:**

- Frame: Extruded aluminium section
- 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
- Locking rod with double-bit lock insert
- 180° hinges, 4 pc(s).

For enclosures		Model No.
Width mm	Height mm	
600	1800	<b>8618.000</b>
800	1800	<b>8618.010</b>
600	2000	<b>8618.020</b>
800	2000	<b>8618.030</b>
600	2200	<b>8618.040</b>
800	2200	<b>8618.050</b>



**Also required:**

- When mounting instead of the rear panel or double door: Lock components for frame 8618.110, see page 120



**Accessories:**

- Lock system, see page 130

### Lock components

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

**Material:**

- Die-cast zinc

**Supply includes:**

- Assembly parts

Packs of	Model No.
4 pc(s).	<b>8618.110</b>

### Lockable and adjacent door

For example, if two 400 mm doors are used instead of one 800 mm wide door in order to comply with escape routes. May also be fitted instead of an 800 mm wide rear panel.

**Material:**

- Sheet steel

**Surface finish:**

- Dipcoat-primed, powder-coated on the outside

**Colour:**

- RAL 7035

**Protection category IP to IEC 60 529:**

- IP 55

**Supply includes:**

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

For enclosures		Model No.
Width mm	Height mm	
800	2000	<b>8618.120</b>



**Accessories:**

- Lock system, see page 130



# Doors/locks

## Door options

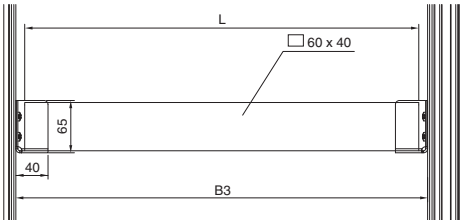
### Protective bar

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).	<b>8801.010</b>

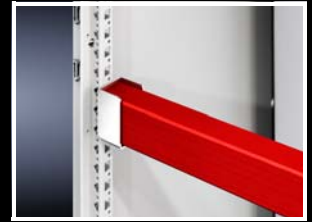
Enclosure width mm	Clearance between the enclosure frame (B3) mm	Length of protective bar (L) mm
400	311	290 <sup>1)</sup>
600	511	490 <sup>1)</sup>
800	711	690 <sup>1)</sup>
1000	911	890 <sup>1)</sup>
1200	1111	1090

<sup>1)</sup> The protective bar 8801.010 (1090 mm) will need to be shortened



**Also required:**

- Holder 8801.000, see page 121



### Holder

**for protective bar**

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

**Material:**

- Sheet steel

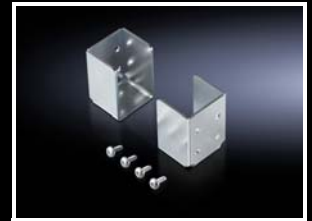
**Surface finish:**

- Zinc-plated

**Supply includes:**

- Assembly screws

Packs of	Model No.
2 pc(s).	<b>8801.000</b>



### 180° hinges

- For extending the door opening angle to 180°
- May be mounted without machining the door
- Suitable for door installations up to 900 N

**Supply includes:**

- Assembly parts

Material	Colour	Packs of	
			Model No.
Steel/precision-cast	RAL 7035	4 pc(s).	<b>8618.330</b>
Steel/precision-cast	RAL 9005	4 pc(s).	<b>8618.335</b>
Stainless steel/precision-cast	-	4 pc(s).	<b>8618.340</b>



# Modular climate control concept – Cooling module Blue e



VX25 enclosures Page 54 Base/plinth VX Page 91

All cooling modules may be individually combined with any climate control door. The cooling modules are equipped with energy-efficient Blue e technology, with integral e-Comfort controller, RiNano coating on the condenser and electric condensate evaporation as standard.

#### Benefits:

- May be linked to the IoT interface via the Blue e IoT adaptor

#### Temperature control:

- e-Comfort controller (factory setting +35 °C)

#### Material:

- Sheet steel

#### Colour:

- RAL 7035

#### Protection category IP to IEC 60 529:

- External circuit IP 34
- Internal circuit IP 54

#### Supply includes:

- Cooling module prepared for installation in climate control door
- Nano-coated condenser
- Integral electric condensate evaporation
- Fully wired ready for connection (plug-in terminal strip)

#### Note:

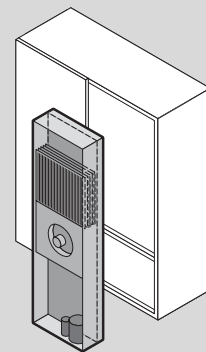
- A base/plinth with a height of 100 or 200 mm is required for efficient operation

#### Approvals:

Available on the Internet

#### Performance diagrams:

Available on the Internet



## Output class 1500 – 2500 W

Model No.	Packs of	3307.700	3307.740	3310.700	3310.740	Page
Rated operating voltage V, ~, Hz		230, 1~, 50/60	400, 3~, 50 460, 3~, 60	230, 1~, 50/60	400, 3~, 50 460, 3~, 60	
<b>Total cooling output 50/60 Hz L35 L35 kW</b>		<b>1.5 / 1.55</b>	<b>1.5 / 1.55</b>	<b>2.5 / 2.52</b>	<b>2.5 / 2.5</b>	
Total cooling output 50/60 Hz L35 L50 kW		0.85 / 0.9	0.93 / 0.95	1.62 / 1.76	1.76 / 1.8	
Rated current max. A		6 / 6.1	2.5 / 2.7	7.6 / 9.4	3.5 / 3.7	
Start-up current A		22 / 24	8.5 / 9.2	22 / 24	13 / 14	
Power consumption P <sub>el</sub> 50/60 Hz L35 L35 kW		0.85 / 1.05	0.79 / 1	1.31 / 1.52	1.13 / 1.48	
Operating temperature range		+10 °C...+55 °C	+10 °C...+55 °C	+10 °C...+55 °C	+10 °C...+55 °C	
Setting range		+20 °C...+55 °C	+20 °C...+55 °C	+20 °C...+55 °C	+20 °C...+55 °C	
Energy efficiency ratio (EER) 50/60 Hz L35 L35		1.76 / 1.48	1.9 / 1.55	1.91 / 1.66	2.21 / 1.69	
Refrigerant g		R134a, 700	R134a, 700	R134a, 1000	R134a, 1000	
Weight kg		68.0	68.0	73.0	72.0	

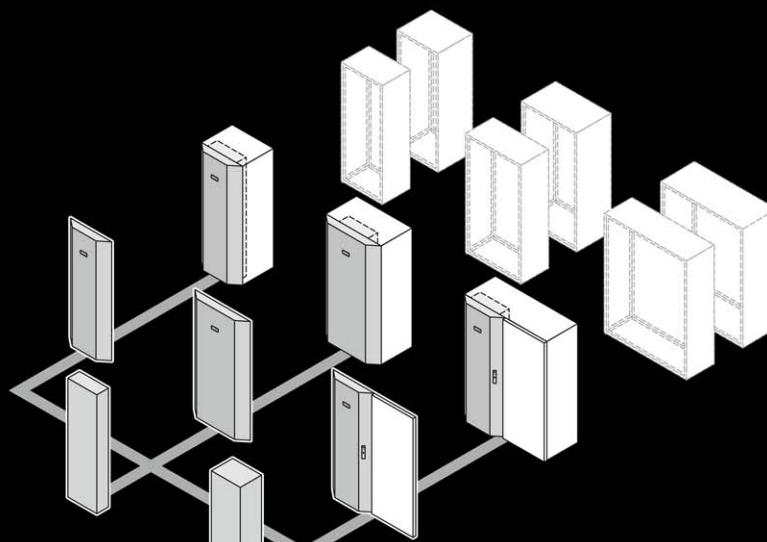
#### Also required

Modular climate control concept – Climate control door VX25		see page	see page	see page	see page	123
---	--	----------	----------	----------	----------	-----

#### Accessories

IoT interface	1 pc(s).	3124.300	3124.300	3124.300	3124.300	Cat. 36, p. 554
Blue e IoT adaptor	1 pc(s).	3124.310	3124.310	3124.310	3124.310	Cat. 36, p. 555
Master-slave cable	1 pc(s).	3124.100	3124.100	3124.100	3124.100	Cat. 36, p. 550
Door-operated switch	1 pc(s).	4127.010	4127.010	4127.010	4127.010	180

# Modular climate control concept – Climate control door VX25



## VX25 enclosures Page 54

Sheet steel climate control doors for the installation of climate control module types SK 3307.7XX to 3310.7XX. The climate control doors fit perfectly with the overall design of the enclosure.

**Material:**

- Sheet steel

**Colour:**

- RAL 7035

**Supply includes:**

- Climate control door without preconfigured cooling module
- 180° hinges, door opening angle approx. 130°

**Note:**

- To fit VX enclosures
- For 1200 mm wide VX enclosures, the existing hinged door may be used, irrespective of the device position (left or right)

**Approvals:**

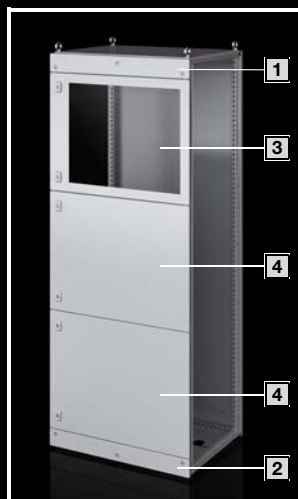
Available on the Internet

## For the installation of cooling modules

<b>Model No.</b>	Packs of	<b>3201.800</b>	<b>3201.810</b>	<b>3201.820</b>	<b>3201.830</b>	<b>3201.840</b>	<b>3201.850</b>	Page
Dimensions to fit enclosure type		VX	VX	VX	VX	VX	VX	
With height mm		1800	2000	1800	2000	1800	2000	
With width mm		600 1200	600 1200	800	800	600 1200	600 1200	
Unit positioned on the left		-	-	-	-	-	-	
Note on Model No.		R/h door hinge	R/h door hinge	R/h door hinge	R/h door hinge	L/h door hinge	L/h door hinge	
Weight kg		19.0	20.0	27.0	31.0	19.0	22.0	
<b>Also required</b>								
Modular climate control concept – Cooling module Blue e		see page	see page	see page	see page	see page	see page	122
<b>Accessories</b>								
Metal filter	1 pc(s).	3284.210	3284.210	3284.210	3284.210	3284.210	3284.210	Cat. 36, p. 534
Comfort handle VX	1 pc(s).	8618.250	8618.250	8618.250	8618.250	8618.250	8618.250	130
Ride-up roller	10 pc(s).	-	8618.420	-	8618.420	-	8618.420	138

# Doors/locks

## Installation accessories for modular front design



### Modular front design

Suitable for 400 to 1200 mm wide 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

## Installation accessories for modular front design

### Partial door

The door may be optionally hinged on the right or left. The partial door is attached to the enclosure with no drilling required. Standard double-bit lock insert may be exchanged for lock inserts, type A.

#### Material:

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

#### Surface finish:

- Textured paint

#### Colour:

- RAL 7035

#### Protection category IP to IEC 60 529:

- IP 54 enclosure width 800 mm

#### Supply includes:

- Cross member, hinges and lock components
- Assembly parts

#### Note:

- Opening angle of partial doors max. 130°



#### Also required:

- Front trim panel, top, see page 126 or top-hinged trim panel, see page 127
- Front trim panel, bottom, see page 126



#### Accessories:

- Mini comfort handle AX 2537.100 for partial door heights from 200 mm
- Lock inserts, type A, see page 133
- Perforated mounting strip, see page 126

#### For enclosure width 400 mm

Height mm	With viewing window	Number of locks	Packs of	Model No.
200	–	1	1 pc(s).	<b>9682.142</b>
300	–	1	1 pc(s).	<b>9682.143</b>
400	–	2	1 pc(s).	<b>9682.144</b>
600	–	2	1 pc(s).	<b>9682.146</b>
800	–	2	1 pc(s).	<b>9682.148</b>
1000	–	3	1 pc(s).	<b>9682.140</b>
1200	–	3	1 pc(s).	<b>9682.152</b>
1400	–	3	1 pc(s).	<b>9682.154</b>
1600	–	4	1 pc(s).	<b>9682.156</b>
1800	–	4	1 pc(s).	<b>9682.158</b>
2000	–	4	1 pc(s).	<b>9682.150</b>

#### For enclosure width 600 mm

Height mm	With viewing window	Number of locks	Packs of	Model No.
150	–	1	1 pc(s).	<b>9682.161</b>
200	–	1	1 pc(s).	<b>9682.162</b>
300	–	1	1 pc(s).	<b>9682.163</b>
400	–	2	1 pc(s).	<b>9682.164</b>
600	–	2	1 pc(s).	<b>9682.166</b>
600	■	2	1 pc(s).	<b>9682.167</b>
800	–	2	1 pc(s).	<b>9682.168</b>
800	■	2	1 pc(s).	<b>9682.169</b>
1000	–	3	1 pc(s).	<b>9682.160</b>
1200	–	3	1 pc(s).	<b>9682.172</b>
1400	–	3	1 pc(s).	<b>9682.174</b>
1600	–	4	1 pc(s).	<b>9682.176</b>
1800	–	4	1 pc(s).	<b>9682.178</b>
2000	–	4	1 pc(s).	<b>9682.170</b>

#### For enclosure width 800 mm

Height mm	With viewing window	Number of locks	Packs of	Model No.
150	–	1	1 pc(s).	<b>9682.181</b>
200	–	1	1 pc(s).	<b>9682.182</b>
300	–	1	1 pc(s).	<b>9682.183</b>
400	–	2	1 pc(s).	<b>9682.184</b>
600	–	2	1 pc(s).	<b>9682.186</b>
600	■	2	1 pc(s).	<b>9682.187</b>
800	–	2	1 pc(s).	<b>9682.188</b>
1000	–	3	1 pc(s).	<b>9682.180</b>
1200	–	3	1 pc(s).	<b>9682.192</b>
1400	–	3	1 pc(s).	<b>9682.194</b>
1600	–	4	1 pc(s).	<b>9682.196</b>
1800	–	4	1 pc(s).	<b>9682.198</b>
2000	–	4	1 pc(s).	<b>9682.190</b>

#### For enclosure width 1000 mm

Height mm	With viewing window	Number of locks	Packs of	Model No.
400	–	2	1 pc(s).	<b>9682.104</b>
600	–	2	1 pc(s).	<b>9682.106</b>
800	–	2	1 pc(s).	<b>9682.108</b>

#### For enclosure width 1200 mm

Height mm	With viewing window	Number of locks	Packs of	Model No.
400	–	2	1 pc(s).	<b>9682.124</b>
600	–	2	1 pc(s).	<b>9682.126</b>
800	–	2	1 pc(s).	<b>9682.128</b>



# Doors/locks

## Installation accessories for modular front design



### 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 mounting individual accessories such as cable ducts, hose holders etc. on the rear of the door.

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	198	200 – 800	10 pc(s).	<b>9681.204</b>
600	398	150 – 800	10 pc(s).	<b>9681.206</b>
800	598	150 – 800	10 pc(s).	<b>9681.208</b>

#### Note:

- For enclosure width 1000 mm you will need: 1 x 9681.204 and 1 x 9681.206
- For enclosure width 1200 mm you will need: 2 x 9681.206



### Front trim panels, top

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, 1.5 mm

#### Surface finish:

- Textured paint

#### Colour:

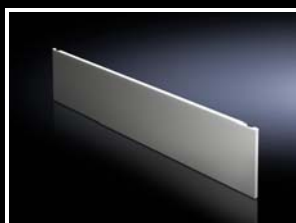
- RAL 7035

#### Supply includes:

- Assembly parts

#### Solid, protection category IP 54

For enclosure width mm	Height mm	Packs of	Model No.
400	100	1 pc(s).	<b>9682.314</b>
400	300	1 pc(s).	<b>9682.324</b>
600	100	1 pc(s).	<b>9682.316</b>
600	300	1 pc(s).	<b>9682.326</b>
800	100	1 pc(s).	<b>9682.318</b>
800	300	1 pc(s).	<b>9682.328</b>
1000	300	1 pc(s).	<b>9682.320</b>
1200	300	1 pc(s).	<b>9682.322</b>



### Front trim panels, bottom

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, 1.5 mm

#### Surface finish:

- Textured paint

#### Colour:

- RAL 7035

#### Supply includes:

- Front trim panel including cross member
- Assembly parts

#### Solid, protection category IP 54

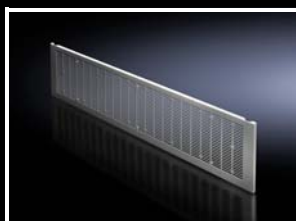
For enclosure width mm	Height mm	Packs of	Model No.
400	100	1 pc(s).	<b>9682.334</b>
400	300	1 pc(s).	<b>9682.344</b>
600	100	1 pc(s).	<b>9682.336</b>
600	300	1 pc(s).	<b>9682.346</b>
800	100	1 pc(s).	<b>9682.338</b>
800	300	1 pc(s).	<b>9682.348</b>
1000	100	1 pc(s).	<b>9682.330</b>
1000	300	1 pc(s).	<b>9682.340</b>
1200	100	1 pc(s).	<b>9682.332</b>
1200	300	1 pc(s).	<b>9682.342</b>

#### Vented, protection category IP 2X

For enclosure width mm	Height mm	Packs of	Model No.
400	300	1 pc(s).	<b>9682.354</b>
600	300	1 pc(s).	<b>9682.356</b>
800	300	1 pc(s).	<b>9682.358</b>
1000	300	1 pc(s).	<b>9682.350</b>
1200	300	1 pc(s).	<b>9682.352</b>

#### Also required:

Roof plate IP 2X, see page 148



## Installation accessories for modular front design

### Trim panel, hinged at the top

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

- Modular front design
- Protective bar

**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).	<b>8620.500</b>
800	300	1 pc(s).	<b>8620.501</b>
1200	300	1 pc(s).	<b>8620.502</b>



**Accessories:**

- Stay for trim panel, hinged at the top, see page 127
- Lock inserts, type A, see page 133



### Drawer

For mouse and keyboard with a maximum width of 500/700 mm. A high level of protection is retained, even with the flap open.

**Material:**

- Sheet steel

**Colour:**

- RAL 7035

**Supply includes:**

- Flap and assembly parts
- Cross member

Height mm	Width mm	Model No.
200	600	<b>8620.520</b>
200	800	<b>8620.521</b>



**Accessories:**

- Lock inserts 27 mm, type A, see page 133



### 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).	<b>8801.260</b>





**Electronic lock systems**  
When using electronic lock systems that require additional cabling, punchings are provided as standard in the door so that they can be fitted retrospectively without the need for machining.



**Multiple lock**  
Up to six padlocks may be attached to the multiple lock, providing individual access rights for different individuals or groups of individuals.





## Standard lock

The standard lock allows convenient, tool-free installation and removal. Simply unlatch the locking pin with the door opened. Replacing the lock insert or exchanging it for a comfort handle couldn't be simpler.

## Comfort handle

Installation of the comfort handle is completely tool-free, and with its ingenious fold-down system, it does not require any swing space or door surface area. The comfort handle is available in all standard versions and lock inserts.

## Seamless lock system

Because a full range of standard lock inserts is available for all the locks used, a seamless lock system can be created.








# Doors/locks

## Lock system



### Comfort handle VX

As the handle does not take up any swing space, due to its folding action, the door surface area available for installed equipment is maximised. Simple assembly, thanks to the snap-mounted handle system. Prepared for the installation of lock inserts, lock and push-button inserts or for the installation of standard commercially available 40 or 45 mm profile half-cylinders.

					
	For lock inserts	For padlock and lock inserts	With security lock insert E1 <sup>1)</sup>	For profile half-cylinders	Prepared for ASSA lock system
	<b>Model No.</b>				
Die-cast zinc RAL 7035	<b>8618.200</b>	<b>8618.230</b>	<b>8618.240</b>	<b>8618.250</b>	<b>8618.270</b>
Precision-cast stainless steel	<b>8618.220</b>	–	–	<b>8618.280</b>	–
<b>Lock inserts, type G</b>					
7 mm square	8618.300	8618.300	–	–	–
8 mm square	8618.301	8618.301	–	–	–
7 mm triangular	8618.302	8618.302	–	–	–
8 mm triangular	8618.303	8618.303	–	–	–
Screwdriver	8618.304	8618.304	–	–	–
Daimler insert	8618.305	8618.305	–	–	–
3 mm double-bit	8618.306	8618.306	–	–	–
Fiat	8618.307	8618.307	–	–	–
6.5 mm triangular (CNOMO)	8618.308	8618.308	–	–	–
<b>Lock and push-button inserts</b>					
Lock insert, lock no. 3524 E <sup>2)</sup>	8611.180	8611.180	–	2467.000	–
Push-button insert	8611.190	8611.190	–	2468.000	–
Push-button and lock insert <sup>2)</sup>	8611.200 <sup>3)</sup>	8611.200 <sup>3)</sup>	–	2469.000 <sup>4)</sup>	–
<b>Profile half-cylinders</b>					
to DIN 18 252 <sup>5)</sup>	–	–	–	9785.040 <sup>7)</sup>	–
	–	–	–	9785.042 <sup>6)</sup>	–

<sup>1)</sup> Only for use with VW, Audi, SEAT, SkodaAuto, supplied without key

<sup>2)</sup> With two keys

<sup>3)</sup> Lock no. 12321; no other lock is possible

<sup>4)</sup> Lock no. 2123; no other lock is possible

<sup>5)</sup> With 3 keys for each lock insert

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

<sup>7)</sup> Different closures



### Locking bar latch to CNOMO<sup>1)</sup>

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

The latch prevents the locking bars from moving when the door is open.

<sup>1)</sup> 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	<b>Model No.</b>
10 pc(s).	<b>8618.460</b>

#### **Also required:**

- for CNOMO<sup>1)</sup>  
Lock inserts, type G, 6.5 mm triangular insert 8618.308, see page 131

### Lock insert

for installation in comfort handle VX,  
Ergoform-S standard

Installation in			
	Lock and push-button inserts		Profile half-cylinders
	Comfort handle <sup>6)</sup>	Comfort handle <sup>7)</sup> Ergoform-S standard	Comfort handle <sup>7)</sup> Ergoform-S standard
<b>Model No.</b>			
Security lock insert no. 3524 E <sup>1)</sup>	<b>8611.180</b>	<b>2467.000</b>	-
Push-button insert	<b>8611.190</b>	<b>2468.000</b>	-
Push-button and lock insert <sup>1)</sup>	<b>8611.200<sup>2)</sup></b>	<b>2469.000<sup>3)</sup></b>	-
to DIN 18 252 <sup>4)</sup>	-	-	<b>9785.040<sup>8)</sup></b>
	-	-	<b>9785.042<sup>5)</sup></b>

<sup>1)</sup> With two keys

<sup>2)</sup> Lock no. 12321; no other lock is possible

<sup>3)</sup> Lock no. 2123; no other lock is possible

<sup>4)</sup> With 3 keys for each lock insert

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


<sup>6)</sup> For lock inserts

<sup>7)</sup> For profile half-cylinders

<sup>8)</sup> Different closures



### Lock insert

Type		G
		
Material	Packs of	Die-cast zinc
<b>Model No.</b>		
7 mm square	1 pc(s).	<b>8618.300</b>
8 mm square	1 pc(s).	<b>8618.301</b>
7 mm triangular	1 pc(s).	<b>8618.302</b>
8 mm triangular	1 pc(s).	<b>8618.303</b>
Screwdriver	1 pc(s).	<b>8618.304</b>
Daimler insert	1 pc(s).	<b>8618.305</b>
3 mm double-bit	1 pc(s).	<b>8618.306</b>
Fiat	1 pc(s).	<b>8618.307</b>
6.5 mm triangular (CNOMO)	1 pc(s).	<b>8618.308</b>



# Doors/locks

## Lock system



### Multiple lock for 6 padlocks

The ideal solution in cases where several people need individual access for maintenance and repair purposes.

**Material:**

- Sheet steel

**Surface finish:**

- Zinc-plated

Packs of	Model No.
2 pc(s).	<b>2493.500</b>



### 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	<b>2416.000</b>
24 V DC 8 W	<b>2418.000</b>
120 V AC 8 VA	<b>2419.000</b>





**Also required:**

- For two-door enclosures (for the overlapping door, to indicate "enclosure door closed\*"): Door-operated switch 4127.010



### Enclosure key

				
	Model No.			
	-	-	<b>2549.000</b>	<b>2549.500<sup>2)</sup></b>
Double-bit no. 5	<b>2531.000</b>	-		
Security lock no. 3524 E	-	<b>2532.000<sup>1)</sup></b>	-	-
7 mm triangular	<b>2545.000</b>	-	-	
8 mm triangular	<b>2546.000</b>	-	-	
7 mm square	<b>2547.000</b>	-	-	
8 mm square	<b>2548.000</b>	-	-	
for Daimler	<b>2521.000</b>	-	-	-
for Fiat	<b>2308.000</b>	-	-	-

<sup>1)</sup> Packs of 2

<sup>2)</sup> With bit adaptor and reversible bit for:  
Multi-tooth size 25 and 30

### Comfort handle AX

#### for swing frame, large

The unlatched handle folds out forwards, and swivels to open the lock. Prepared for the installation of lock inserts or for the installation of standard commercially available 40 or 45 mm profile half-cylinders, as well as lock and push-button inserts. Other variants prepared for ASSA, oval profile half-cylinder up to a maximum overall length of 26.9 mm and KESO/KABA profile half-cylinder up to a maximum overall length of 42.5 mm and a Ø of 22 mm.

					
	For lock inserts or profile half-cylinders	With security lock insert E1 <sup>1)</sup>	For padlocks and lock inserts or profile half-cylinders	Prepared for ASSA lock system	Prepared for KESO/KABA lock system
	<b>Model No.</b>				
Die-cast zinc RAL 7035	<b>2435.100</b>	<b>2435.200</b>	<b>2435.400</b>	<b>2435.500</b>	<b>2435.600</b>
<b>Lock inserts, type A</b>					
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	2460.650	–	2460.650	–	–
<b>Lock and push-button inserts</b>					
Lock insert, lock no. 3524 E <sup>1)</sup>	2467.000	–	2467.000	–	–
Push-button insert	2468.000	–	2468.000	–	–
Push-button and lock insert <sup>1)</sup>	2469.000 <sup>2)</sup>	–	2469.000 <sup>2)</sup>	–	–
<b>Profile half-cylinders</b>					
to DIN 18 252 <sup>3)</sup>	9785.040 <sup>5)</sup>	–	9785.040 <sup>5)</sup>	–	–
	9785.042 <sup>4)</sup>	–	9785.042 <sup>4)</sup>	–	–

<sup>1)</sup> With two keys

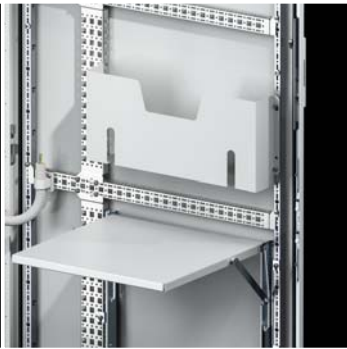
<sup>2)</sup> Lock no. 2123; no other lock is possible

<sup>3)</sup> With 3 keys for each lock insert

<sup>4)</sup> Packs of two, simultaneous locking within the same pack, no simultaneous locking for different packs

<sup>5)</sup> Different closures





### Punched sections with mounting flanges, 14 x 39 mm

The punched section with mounting flange, 14 x 39 mm, allows completely flexible door installation on the tubular door frame, no machining required.



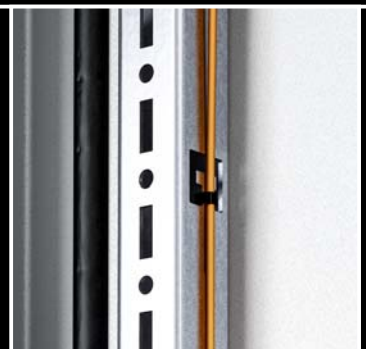
### Spacers

Spacer bolts allow a mounting level to be quickly and easily created at the correct distance, onto which a top hat rail or a contact hazard protection cover for built-in components can be easily installed in the door.



### Ride-up roller

Even the heaviest populated door is easily opened and closed with the ride-up roller.



### Door stay

The door stay for escape routes guarantees convenience and safety. The enclosure door is securely locked into position for assembly work. In dangerous situations, the stay is released automatically under pressure, and by using 180° hinges, escape routes can be kept clear in both directions.

## Wiring plan lectern

During maintenance work, the wiring plan lectern folds out easily to hold circuit diagrams and documents. The integral punchings provide temporary accommodation for tools.

## Partial mounting plate

With partial mounting plates, even preconfigured assemblies are readily fitted to the tubular door frame.

## Tubular door frame

The all-round T-head punchings allow simple, fast attachment of cables with standard commercially available cable ties.



# Doors/locks

## Door, internal



### Punched section with mounting flange, 14 x 39 mm

Secure location and fast mounting on the tubular door frame.

For the attachment of

- Cable ducts
- Cable conduit holder
- Equipment installed on the door, etc.

**Material:**

- Sheet steel

**Surface finish:**

- Zinc-plated

**Supply includes:**

- Assembly parts

For door width mm	Packs of	Model No.
400	4 pc(s).	<b>8619.700</b>
500	4 pc(s).	<b>8619.710</b>
600	4 pc(s).	<b>8619.720</b>
800	4 pc(s).	<b>8619.730</b>
900	4 pc(s).	<b>8619.740</b>
1000	4 pc(s).	<b>8619.750</b>

**+ Accessories:**

- Screws and self-tapping screws M5 for configuring the customer's own components on the punched section with mounting flange, see page 174

### Spacers

The universal assembly component for all situations where a distance from the mounting level is required. With self-tapping thread for 4.5 mm diameter holes. 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)

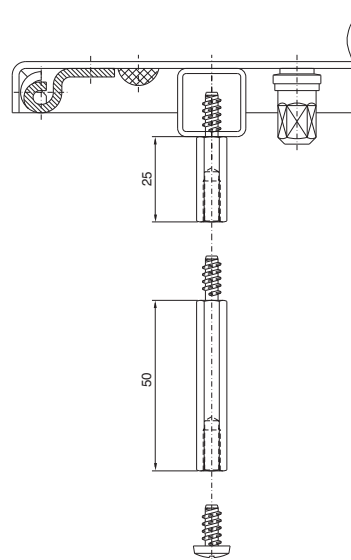
**Surface finish:**

- Zinc-plated

**+ Accessories:**

- Screws 5.5 x 13 mm, see page 174

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



### Utility lectern

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

**Load capacity:**

- Max. 300 N

**Material:**

- Sheet steel

**Colour:**

- RAL 7035

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



### Wiring plan lectern

Holds wiring plans during fault-finding and maintenance work. Wiring plan lecterns may be bayed in line with 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 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

Packs of	Model No.
1 pc(s).	<b>4120.000</b>



### Storage box

For fixing to all flat, clean surfaces with double-sided adhesive tape. Secure storage of CDs/DVDs, small parts such as fuses etc.

**Capacity:**

- Max. 10 CDs/DVDs

**Material:**

- Polyamide

Packs of	Model No.
1 pc(s).	<b>2446.000</b>



### Wiring plan pocket, sheet steel

For fastening to tubular door frames at any height.

**Colour:**

- RAL 7035

**Supply includes:**

- Assembly parts

**D = 90 mm**

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

**D = 35 mm**

To fit door width mm	Clearance openings mm		Model No.
	W	H	
500	355	210	<b>4115.500</b>
600	455	210	<b>4116.500</b>
800	655	210	<b>4118.500</b>



### Wiring plan pocket, plastic

For adhering to surfaces.

**Material:**

- Polystyrene with self-adhesive fastening strips

**Colour:**

- 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>



# Doors/locks

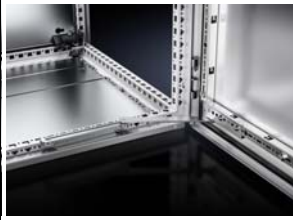
## Door, internal



### Wiring plan pocket with transparent pouch

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

For format	Model No.
A4	2510.000
A3	2512.000



### Door stay

To secure the door in the open position. May be fitted without machining the enclosure/housing.

**Supply includes:**  
– Assembly parts

Mounting	Packs of	Model No.
bottom	1 pc(s).	8618.430



### Door stay for escape routes

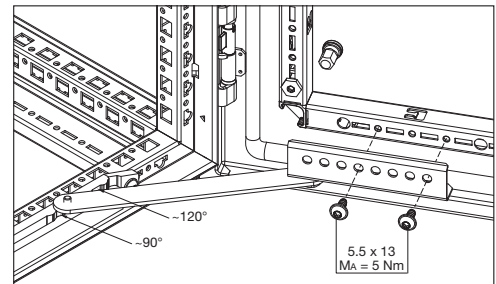
In an emergency situation, conventional door stays could block the escape route. The stay is activated automatically by pressure, releasing the door in both directions. In conjunction with 180° hinges, this ensures that no escape routes are blocked by open doors in the event of an emergency. The space-saving design does not obstruct the installed equipment in the door.

**Supply includes:**  
– Assembly parts

Packs of	Model No.
1 pc(s).	8618.425

#### + Accessories:

- 180° hinge, see page 121



### Ride-up roller for door

Lifts up the door when there is 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).	8618.420

### Transport and mounting handle

For safe installation and removal of the door and during relocation in the workshop.

Packs of	Model No.
1 pc(s).	<b>2415.100</b>



### Shipping brace

To stabilise the door when transporting from an additional weight load of 15 kg.

**Material:**

- Plastic

**Colour:**

- RAL 7035

**Supply includes:**

- Assembly parts

Packs of	Model No.
10 pc(s).	<b>8618.410</b>



# Doors/locks

## Viewing window



### System window

To cover display and operating elements 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 profile half-cylinders in the Ergoform-S lock system (not for 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:

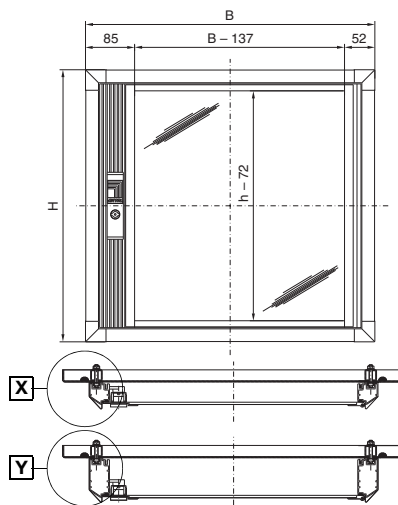
- Not suitable for outdoor siting

### 30 section

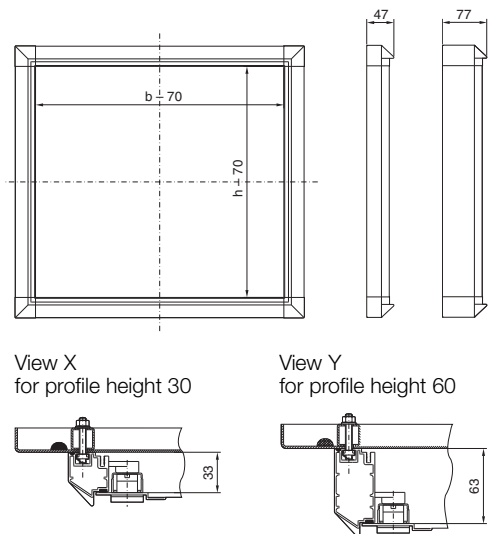
To fit enclosure width mm	Window size, exterior mm		Model No.
	W	H	
600	500	270	<b>2735.500</b>
		370	<b>2735.510</b>
		470	<b>2735.520</b>
		570	<b>2735.530</b>
800	700	670	<b>2735.540</b>
		270	<b>2735.560</b>
		370	<b>2735.570</b>
		470	<b>2735.580</b>
		570	<b>2735.590</b>
		670	<b>2735.250</b>

### 60 section

To fit enclosure width mm	Window size, exterior mm		Model No.
	W	H	
600	500	370	<b>2736.510</b>
		470	<b>2736.520</b>
		570	<b>2736.530</b>
		670	<b>2736.540</b>
800	700	670	<b>2736.500</b>



Viewing area (B - 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 window

### 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.

#### Material:

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

#### Protection category IP to IEC 60 529:

- IP 54

#### Supply includes:

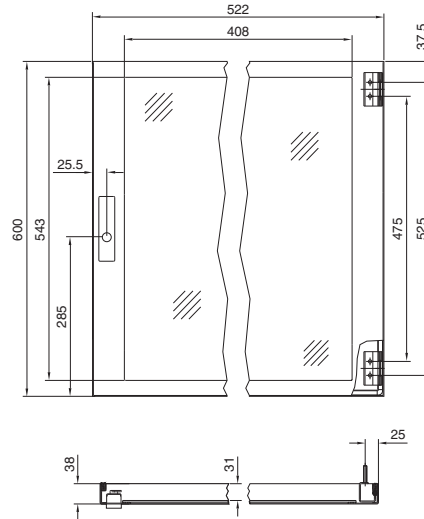
- Assembly parts

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



#### Accessories:

- Lock inserts 27 mm, type A, see page 133



### Identification strip

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 7035

For enclosure width mm	Model No.
600	8618.450
800	8618.451



# Keyboards, supports and drawers



## Fold-out tray

### for keyboard and mouse

- For installation in
- 600 and 800 mm wide doors
  - 482.6 mm (19") swing frames and enclosures

Standard double-bit lock insert may be exchanged for lock inserts 27 mm, type A, and for lock cylinder 2571.000.

### Material:

- Flap: Sheet steel
- Side parts: Cast aluminium
- Tray: Extruded aluminium section

### Surface finish:

- Flap, side parts: Textured paint
- Tray: Natural anodised

### Colour:

- Flap, side parts: RAL 7035

### Protection category to IEC 60 529:

- IP 55

### Protection category NEMA:

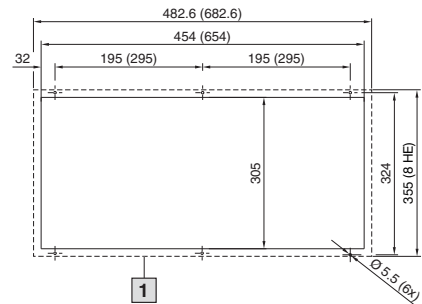
- NEMA 12



### Accessories:

- Mousepad support, pull-out, see page 142

Mounting cut-out



1 Support surface

For door width mm	External dimensions W x H x D mm	Installation depth mm	Max. keyboard dimensions W x H x D mm	Model No.
600	482.6 (19") x 355 (8 U) x 126	93	405 x 45 x 245 405 x 45 x 190 <sup>1)</sup>	<b>2379.600</b>
800	682.6 x 355 (8 U) x 126	93	605 x 45 x 245 605 x 45 x 190 <sup>1)</sup> 475 <sup>1)</sup> x 45 x 245	<b>2379.800</b>

<sup>1)</sup> Maximum keyboard size with holder for mouse

## Support for mousepad, pull-out with mouse holder

For screw-fastening into the fold-out tray 2379.600/2379.800, see page 142. To fit all standard mousepads up to 250 x 205 mm.

### Colour:

- RAL 7035

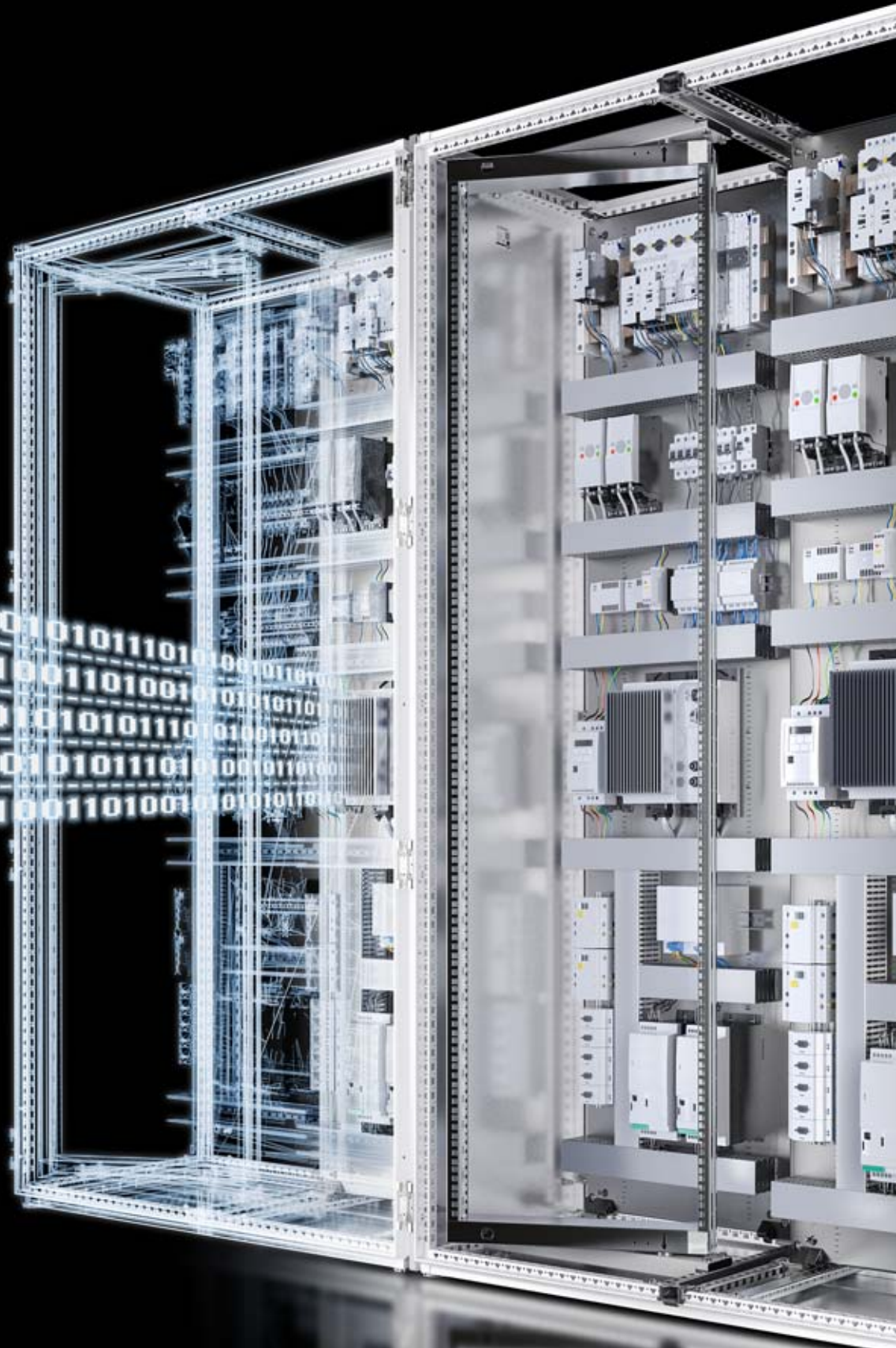
### Supply includes:

- Assembly parts

Packs of	Model No.
1 pc(s).	<b>2379.900</b>



010101011101010010110101  
10100110100101010110101  
010101011101010010110101  
110101010111010010110100  
010100110100101010110100





### Eyebolts

For transporting by crane, the standard roof fixing screw is easily exchanged for eyebolts, or in the case of bayed enclosure suites, combined with the combination angle. With both variants, the automatic potential equalisation is retained.



### Spacer

Spacers are available in three different heights, so that the roof can easily be raised for ventilation purposes.



### Dust guard trim

The dust guard trim prevents dust from depositing on the upper edge of the door and in the gap between the door and the horizontal enclosure section. The integral transparent plastic is a simple way of adding individual labelling or branding to the enclosure module.



### Wall bracket

For enclosures with a low depth or heavy equipment in the door or swing frame, the wall brackets provide stability.



### Pressure stopper

The pressure stopper allows retrospective fitting of a pressure relief function to comply with health and safety regulations for arc-proofing to IEC/TR 61 641.



### Punched sections with mounting flanges

Standard punched sections may also be used to support the roof and side panels. This simplifies engineering and assembly, and relieves pressure on the parts warehouse.



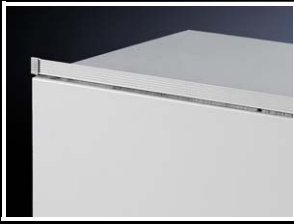
### Top-mounting module

The top-mounting module quickly and easily creates 200 mm extra space in the height for busbar systems across enclosures, or for a cable chamber in the roof space. The base/plinth system VX can also be used for simple cable routing and panelling.





# Roof



## Dust guard trim

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)
- Assembly parts

Length mm	Packs of	Model No.
600	1 pc(s).	<b>2424.100</b>
800	1 pc(s).	<b>2425.100</b>
1000	1 pc(s).	<b>2427.100</b>
1200	1 pc(s).	<b>2426.100</b>

**Note:**

- Also suitable for use in conjunction with top baying cover, see page 116



## Top-mounting module

As a cable chamber for cable infeed from above, or for power distribution with busbar systems across bayed enclosures. The cover plate supplied as standard is used to finish off at the top. The enclosure height is increased by 200 mm with the top-mounting module 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

**Protection category NEMA:**  
– NEMA 12

For enclosures		Packs of	Model No.
Width (B) mm	Depth mm		
600	600	1 pc(s).	<b>8618.501</b>
800	600	1 pc(s).	<b>8618.511</b>
1000	600	1 pc(s).	<b>8618.521</b>
1200	600	1 pc(s).	<b>8618.531</b>

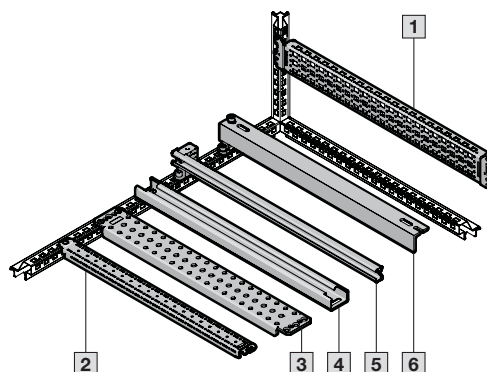
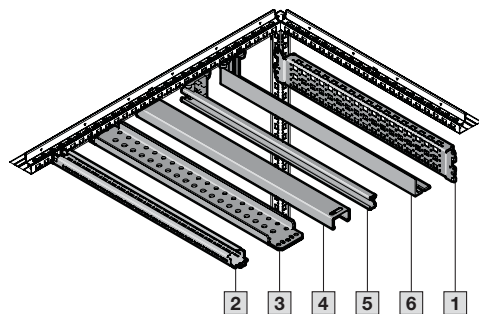
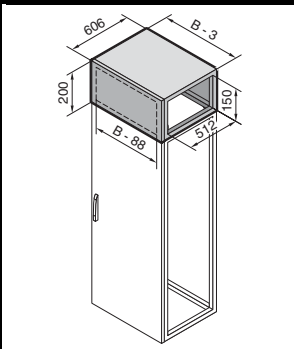
**Supply includes:**

- 1 frame module
- 2 trim panels (front and rear)
- 8 retainers with automatic potential equalisation
- Assembly parts



**Also required:**

- Side panel for top-mounting module 8618.540, see page 147



**Accessories:**

Designation	Page
<b>1</b> Punched section with mounting flange 23 x 64 mm (for the inner level)	166
<b>2</b> Punched rail 18 x 39 mm	168
<b>3</b> Support rail 75 x 20 mm	170
<b>4</b> Support rail 48 x 26 mm	169
<b>5</b> C rail 30/15	169
<b>6</b> Cable clamp rail	206

## 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).	<b>8618.541</b>



## Spacers

### for roof plate

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

Thread: M12

#### Material:

- Hexagonal sectional steel

#### Surface finish:

- Zinc-plated

#### Supply includes:

- Assembly parts

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



## Eyebolts

For transporting enclosures by crane.

Thread: M12

#### Supply includes:

- 4 eyebolts M12
- 4 serrated sealing washers A 12.5

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



## Wall bracket

For attaching enclosures with a shallow depth and e.g. heavy components on the door or a built-in swing frame, to a wall at the top.

#### Material:

- Sheet steel

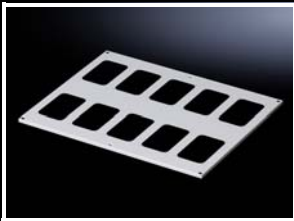
#### Surface finish:

- Zinc-plated

Packs of	Model No.
4 pc(s).	<b>4595.000</b>



# Roof



## Roof plate

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

### Material:

- Sheet steel, 1.5 mm

### Surface finish:

- Textured paint

### Colour:

- RAL 7035

### Supply includes:

- Assembly parts

### Protection category IP 55, solid

For enclosures		Packs of	Model No.
Width mm	Depth mm		
400	600	1 pc(s).	<b>9681.646</b>
600	600	1 pc(s).	<b>9681.666</b>
800	600	1 pc(s).	<b>9681.686</b>
400	800	1 pc(s).	<b>9681.648</b>
600	800	1 pc(s).	<b>9681.668</b>
800	800	1 pc(s).	<b>9681.688</b>
600	1000	1 pc(s).	<b>9681.660</b>
800	1000	1 pc(s).	<b>9681.680</b>
600	1200	1 pc(s).	<b>9681.662</b>
800	1200	1 pc(s).	<b>9681.682</b>

#### Accessories:

Pressure stoppers, see page 149

Eyebolt, see page 147

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

For enclosures		Packs of	Model No.
Width mm	Depth mm		
400	600	1 pc(s).	<b>9681.846</b>
600	600	1 pc(s).	<b>9681.866</b>
800	600	1 pc(s).	<b>9681.886</b>
1000	600	1 pc(s).	<b>9681.806</b>
1200	600	1 pc(s).	<b>9681.826</b>
400	800	1 pc(s).	<b>9681.848</b>
600	800	1 pc(s).	<b>9681.868</b>
800	800	1 pc(s).	<b>9681.888</b>
1000	800	1 pc(s).	<b>9681.808</b>
1200	800	1 pc(s).	<b>9681.828</b>

### For cable entry glands

For enclosures		Required no. of glands	Packs of	Model No.
Width mm	Depth mm			
600	400	2	1 pc(s).	<b>9681.564</b>
850	400	3	1 pc(s).	<b>9681.594</b>
1100	400	4	1 pc(s).	<b>9681.514</b>
400	600	3	1 pc(s).	<b>9681.546</b>
600	600	4	1 pc(s).	<b>9681.566</b>
800	600	8	1 pc(s).	<b>9681.586</b>
850	600	6	1 pc(s).	<b>9681.596</b>
1100	600	8	1 pc(s).	<b>9681.516</b>
400	800	4	1 pc(s).	<b>9681.548</b>
600	800	8	1 pc(s).	<b>9681.568</b>
800	800	8	1 pc(s).	<b>9681.588</b>

#### Also required:

Cable entry gland, see page 149

#### Accessories:

Eyebolt, see page 147

## Pressure stoppers

### for roof plate

For converting the IP 55 roof plate 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 61 641. After fitting the pressure stopper, a protection category of IP 54 is achieved.

#### Material:

- Polyamide

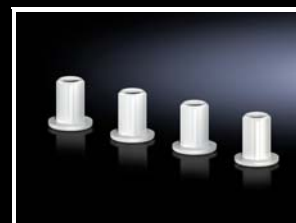
#### Supply includes:

- 4 warning stickers
- Seal

Packs of	Model No.
4 pc(s).	<b>9674.790</b>

#### 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
- The arc fault kits 9686.400 – 9686.430 are suitable for achieving arc flash class A (personal protection) and B (human safety and protection of equipment) to IEC/TR 61 641. Further information can be found on the Internet.



## Cable entry gland

### for roof plate

For simple, secure cable entry in the roof plate.

External dimensions: 250 x 160 mm

#### Colour:

- RAL 7035

#### Protection category IP to IEC 60 529:

- IP 55

#### Supply includes:

- Seal



1



2



3

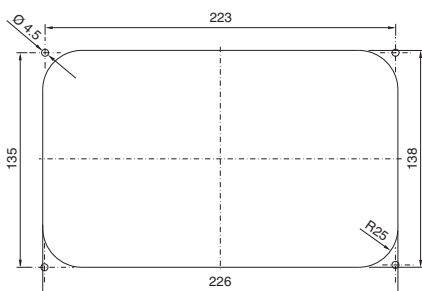


4



5

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



Cut-out dimensions for 9665.750 to 9665.785

# Mounting plates



## Earthing

The keyhole opening allows simple retrospective earthing of the mounting plate from the front while in an installed state, without having to hold a screw or nut behind the mounting plate.



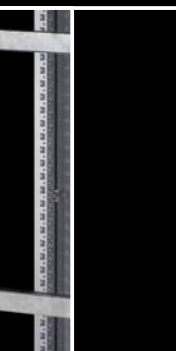
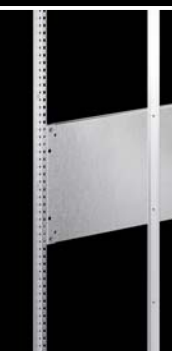
## Transportation

For transportation purposes, or with high dynamic loads, the mounting plate can easily be additionally secured at the top and bottom with a screw attachment.



## Installation options

The mounting plate may be installed in the enclosure from all sides. Up to three mounting plates may be installed simultaneously in one enclosure; back-to-back mounting is also supported. For example, this allows an enclosure with a door instead of a rear panel to be populated from the front and rear in a space-saving solution.



## Depth adjustment

The mounting plate supports straightforward depth adjustment on a 25 pitch pattern using slide blocks and the patented mounting plate attachment at the top. Using a special installation kit, the mounting plate may be offset by a further 20 mm in the depth, and populated mounting plates may also be installed from the rear.

## System divider

Divides the enclosure width into two zones. For example, this allows mounting plates, cable clamp rails or swing frames from 600 mm wide enclosures to be fitted in 1200 mm wide enclosures.

## Mounting surface

In the rearmost installation position, the mounting plate forms a continuous installation space with the enclosure frame. In a set forward position, a separate mounting plate infill performs this role.

## Partial mounting plates

The partial mounting plates quickly and flexibly create additional mounting surfaces at all enclosure levels. They may be used as a component shelf, and can also be hinged to retain access to the mounting level behind. May even be used on the tubular door frame. The keyhole attachment ensures extremely fast, safe assembly by simply locating into position and securing.



# Interior installation

## Mounting plates

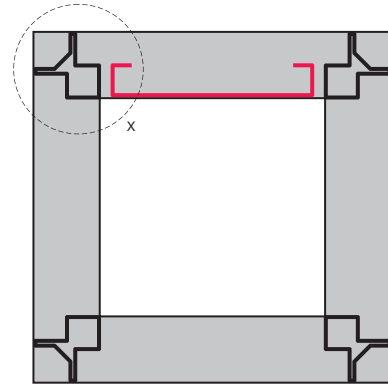


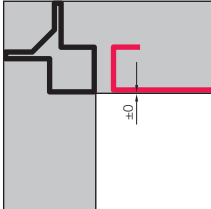
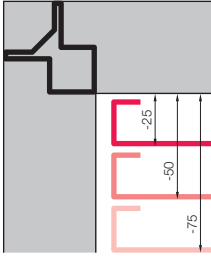
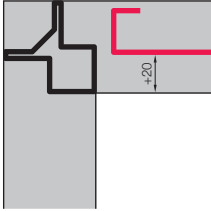
### Mounting positions

The mounting plate included with the supply, together with the

- Mounting plate infills
- Partial mounting plates
- etc.

available as accessories, lend themselves to extremely flexible use inside the enclosure, enabling you to achieve the ideal mounting position for every application.



Detail X	Mounting position of mounting plate	Function	Benefits
	Flush with the enclosure frame Position: ±0 mm	Included for enclosures with mounting plate.	The mounting plate and enclosure frame create a continuous mounting surface at the same depth. Simple top-mounting of the enclosure frame is supported, and can be used for continuous enclosure-to-enclosure cable trunking, support rails etc. The usable mounting width is enlarged by up to 25%, depending on the enclosure selection.
	Set forward from the enclosure frame on a 25 mm pitch pattern Position: -25 mm -50 mm -75 mm etc.	Included for enclosures with mounting plate.	Creates space behind the mounting plate for the installation of components or for cable routing. Ideal for moving the centre of gravity of installed equipment closer to the centre of the enclosure, or when a short distance from the door is required, e.g. in order to fit a master switch. The distance between the mounting plate and the door is reduced on a 25 mm pitch pattern compared with the flush mounting position.
	Set back behind the enclosure frame Position: +20 mm	Via multi-functional installation kit for mounting plate 8617.370, see page 156	For maximising the installation depth in the enclosure. Particularly useful in situations where deep installations in a single enclosure, such as frequency converters, would increase the depth for the entire bayed enclosure suite. The installation depth in the enclosure is increased by 20 mm compared with the flush mounting position.



# Interior installation

## Mounting plates

### Mounting plate infill

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	Packs of	Model No.
1800	1 pc(s).	<b>4590.700</b>
2000	1 pc(s).	<b>4591.700</b>
2200	1 pc(s).	<b>4592.700</b>



Detail	Mounting position of mounting plate	Benefits
	<p>Set forward from the enclosure frame on a 25 mm pitch pattern</p> <p>Position: -25 mm -50 mm -75 mm etc.</p>	<p>The usable mounting width is enlarged by up to 25%, depending on the enclosure selection.</p>

### Mounting plate attachment

**Type A**

For additional clamping and to reduce potential vibration of the mounting plate. Simple mounting directly on the enclosure frame. During installation, the mounting plate latches automatically into the mounting plate attachment. The mounting plate attachment type A keeps the front of the mounting plate completely free for unrestricted use. Populated mounting plates may be mounted from the front without dismantling the rear panel.

Packs of	Model No.
5 pc(s).	<b>8617.353</b>

**Material:**

- Spring steel

**Supply includes:**

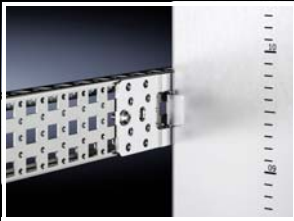
- Safety clip
- Assembly parts



Detail	Mounting position of mounting plate	Installation option	Attachment to the mounting plate
	<p>Flush with the enclosure frame</p> <p>Position: ±0 mm, fitted at the rear</p>	<p>Fitted on the left and right of the mounting plate</p>	<p>Latched home</p>
	<p>Flush with the enclosure frame</p> <p>Position: ±0 mm, fitted at the front</p>	<p>Fitted on the left and right of the mounting plate at half height</p>	<p>Latched home</p>

# Interior installation

## Mounting plates



### Mounting plate attachment

#### Type B

For additional clamping and to reduce potential vibration of the mounting plate.

Simple mounting directly on the enclosure frame or on the punched section with mounting flange 23 x 64 mm. The mounting plate may optionally be screw-fastened with the mounting plate attachment, or form-fit connected. Depending on the installation situation, the mounting plate attachment type B either minimally surrounds the mounting plate, or keeps the front of the mounting plate completely free for unrestricted use. May be mounted from the front or the rear, depending on the situation.

Packs of	<b>Model No.</b>
10 pc(s).	<b>8617.351</b>

#### Material:

- Sheet steel

#### Surface finish:

- Zinc-plated, passivated

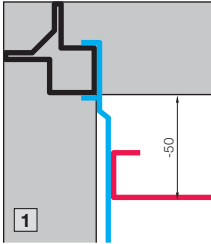
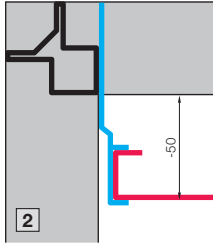
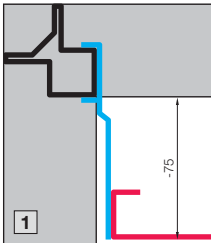
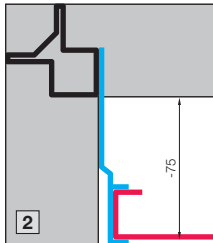
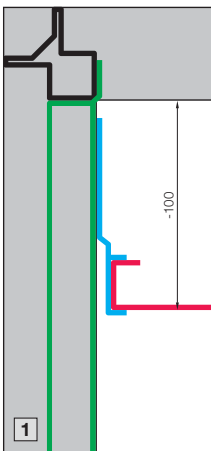
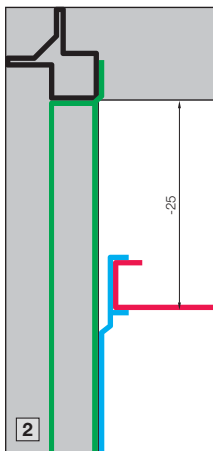
#### Supply includes:

- Assembly parts



#### Accessories:

- Punched section with mounting flange 23 x 64 mm for the inner level, see page 166

Detail	Mounting position of mounting plate	Installation option	Attachment to the mounting plate
	Set forward from the enclosure frame Position: -50 mm	<b>1</b> 2 pc(s). per enclosure/mounting plate, at the side, half-way up the mounting plate	Screw-fastened
	Set forward from the enclosure frame Position: -50 mm	<b>2</b> All-round between the enclosure and mounting plate in any quantity	Connected
	Set forward from the enclosure frame Position: -75 mm	<b>1</b> 2 pc(s). per enclosure/mounting plate, at the side, half-way up the mounting plate	Screw-fastened
	Set forward from the enclosure frame Position: -75 mm	<b>2</b> All-round between the enclosure and mounting plate in any quantity	Connected
	Set forward from the enclosure frame <b>1</b> Position: -100 mm or larger	All-round between the enclosure and mounting plate in any quantity. One punched section with mounting flange 23 x 64 mm to match the enclosure depth is required for each mounting plate attachment.	Connected
	<b>2</b> Position: -25 mm or larger		

# Interior installation

## Mounting plates

### Mounting plate attachment

#### Type C

For additional clamping and to reduce potential vibration of the mounting plate. Simple mounting directly on the enclosure frame. The mounting plate may be form-fit connected and clamped with the mounting plate attachment. The mounting plate attachment type C keeps the front of the mounting plate completely free for unrestricted use. With the mounting plate installed and the rear panel dismantled, it can be fitted from the rear.

Packs of	<b>Model No.</b>
10 pc(s).	<b>8617.352</b>

#### Material:

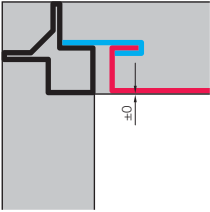
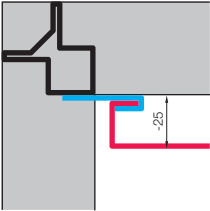
- Sheet steel

#### Surface finish:

- Zinc-plated, passivated

#### Supply includes:

- Assembly parts

Detail	Mounting position of mounting plate	Installation option	Attachment to the mounting plate
	Flush with the enclosure frame Position: ±0 mm	All-round between the enclosure and mounting plate in any quantity	Connected, clamped
	Set forward from the enclosure frame Position: -25 mm	All-round between the enclosure and mounting plate in any quantity	Connected, clamped

### Installation kit

#### for back-to-back mounting plates

The minimum spacing between the mounting plates facilitates maximum assemblies on both mounting plates.

#### Material:

- Sheet steel

#### Surface finish:

- Zinc-plated, passivated

Packs of	<b>Model No.</b>
1 pc(s).	<b>8617.360</b>



#### Also required:

- Second mounting plate, to fit the enclosure dimensions, refer to Rittal list of spares at [www.rittal.com](http://www.rittal.com).



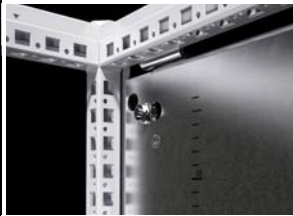
#### Accessories:

- For enclosures with a rear panel, the following may be used for optimum access to the rear mounting plate:  
Glazed door instead of rear panel, see page 120  
Lockable and adjacent door 8618.120, for enclosure dimensions W x H = 800 x 2000 mm, see page 120



# Interior installation

## Mounting plates



### Multi-functional installation kit for mounting plate

#### For installing the mounting plate from the rear of the enclosure

- Mounting position flush with the enclosure frame, position  $\pm 0$
- The mounting plate is removable from the front and rear for servicing

#### For 20 mm more installation depth in the enclosure

- Mounting position set back behind the enclosure frame, position  $\pm 20$  mm

#### For additional screw-fastening of the mounting plate

- For all mounting positions

Packs of	Model No.
1 pc(s).	<b>8617.370</b>

#### Material:

- Sheet steel

#### Surface finish:

- Zinc-plated, passivated

#### Supply includes:

- Assembly parts

### Slide rail

#### for mounting plate

For sliding the mounting plate in from the side. For mounting in a set-forward position.

#### Material:

- Sheet steel

#### Surface finish:

- Zinc-plated

#### Supply includes:

- Assembly parts

For enclosure width mm	Packs of	Model No.
600	2 pc(s).	<b>8617.400</b>
800	2 pc(s).	<b>8617.401</b>
1000	2 pc(s).	<b>8617.403</b>
1200	2 pc(s).	<b>8617.402</b>

### Cross-brace

#### for mounting plates

Additional horizontal rigidity for vibration damping and/or retrospective 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

For enclosure width mm	Model No.
1200	<b>4333.120</b>
1600	<b>4333.160</b>
1800	<b>4333.180</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:

- Sheet 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 on page 158



#### Accessories:

- Punched section with mounting flange for the inner and outer level, see page 166
- Hinge attachment 8617.650, see page 159

#### Installation examples:

See page 158

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>



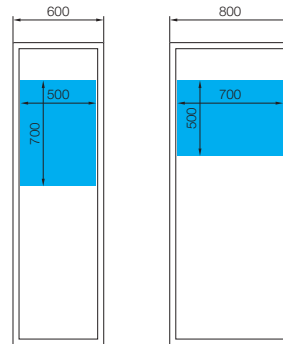
# Interior installation

## Mounting plates

### Installation examples

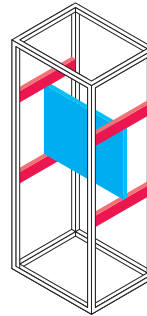
#### Full installation in the width/depth

Choose a partial mounting plate 100 mm smaller than the nominal size of the enclosure.  
For example, a partial mounting plate with dimensions 500 x 700 mm can be installed in enclosures with nominal dimensions of 600 and 800 mm.



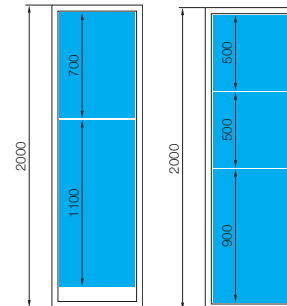
#### Full installation, set forward in the width/depth

For set-forward installation, punched sections with mounting flanges are required for the inner or outer mounting level, according to the enclosure depth.



#### Full installation in the height

The sum total of partial mounting plates 100 mm should be smaller than the nominal size of the enclosure. For example, in a 2000 mm high enclosure, the sum total of partial mounting plates should not exceed 1900 mm.

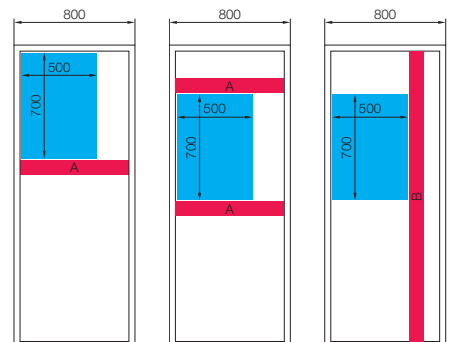


#### Partial installation



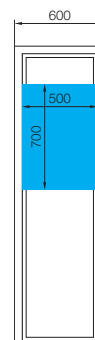
#### Also required:

- Punched section with mounting flange 23 x 64 mm **(A)** to match the enclosure width or depth, see page 166
- Punched section with mounting flange 23 x 64 mm **(B)** to match the enclosure height, see page 166



#### Door installation

Choose a partial mounting plate 100 mm smaller than the nominal size of the enclosure.  
For example, a partial mounting plate with dimensions 500 x 700 mm can be installed on the tubular door frame of enclosures with a nominal size of 600 mm.



# Interior installation

## Mounting plates

### Hinge attachment

#### for partial mounting plate

In conjunction with the mounting kit for swing frames, small, the partial mounting plate can be hinged to allow access to the components behind it for servicing.

#### Installation options:

- At the front, on the frame section
- Set back, in the enclosure depth
- At the side, in conjunction with the hinged side panel

#### Material:

- Steel

#### Surface finish:

- Zinc-plated

#### Supply includes:

- Assembly parts

Packs of	Model No.
1 pc(s).	8617.650

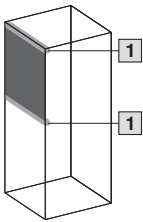
#### ! Also required:

- Installation kit for swing frame, small, for enclosure width 600 mm (8619.600) or 800 mm (8619.610), see page 210
- Punched section with mounting flange 23 x 64 mm according to the enclosure depth, see page 166

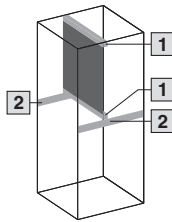
### Examples

#### In the highest or lowest position

Front



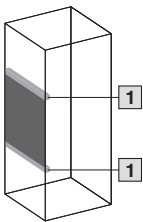
Set back



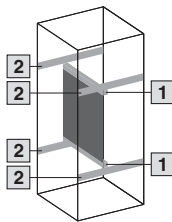
- 1 Installation kit for swing frame, small
- 2 Punched section with mounting flange 23 x 64 mm in accordance with the enclosure depth

#### In a central position

Front



Set back



# Interior installation

## Mounting plates



### Partial mounting plate holder for partial mounting plate VX

The partial mounting plate may be fitted set back by 20 mm behind the enclosure frame using the partial mounting plate holder, and also fastened directly to the frame from the outside. The partial mounting plate is also removable from the inside for servicing.

**Material:**

- Sheet steel

**Surface finish:**

- Zinc-plated, passivated

**Supply includes:**

- Assembly parts

Packs of	Model No.
4 pc(s).	8617.655

### Transport handle for mounting plates

For use at any given position in the side C-fold.

Benefits include:

- Adapts to users of different heights
- Optimised force transmission
- Simple handling

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



# Partial assembly plate VX

Provides flexible and individual interior installation,  
see page 162



# 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:**  
– Sheet steel, 1.5 mm

**Surface finish:**  
– Zinc-plated

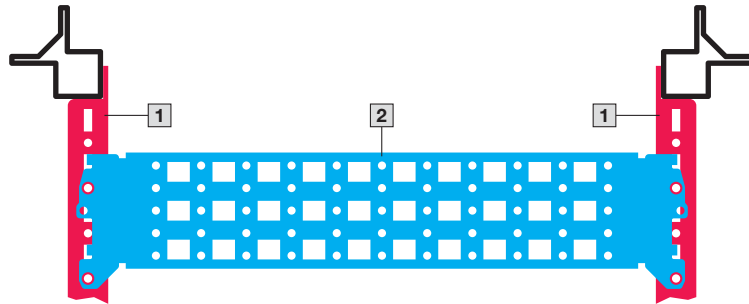
**Supply includes:**  
– Assembly parts

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

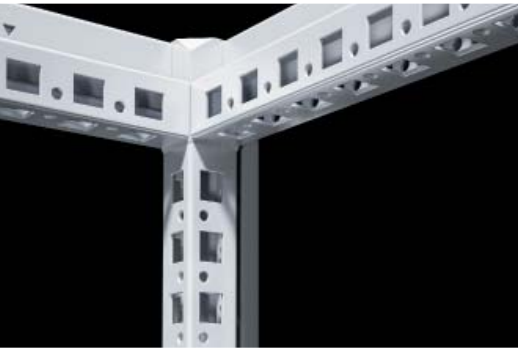


Inner mounting level



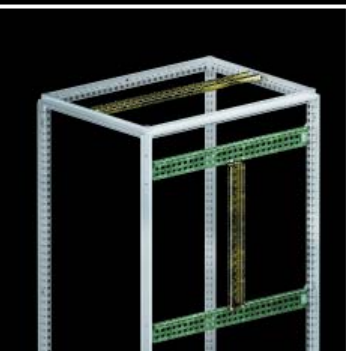
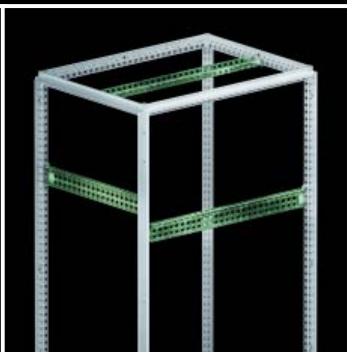
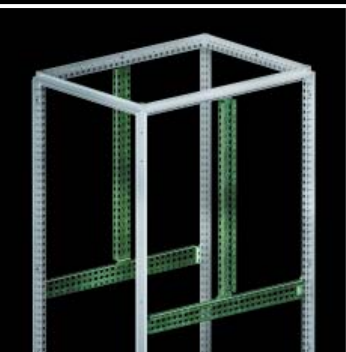
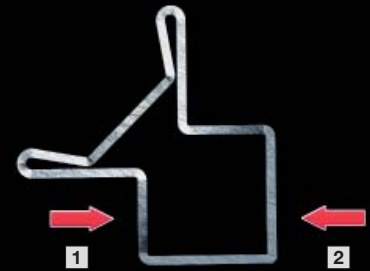
- 1 Partial assembly plate
- 2 Punched section with mounting flange, 23 x 64 mm





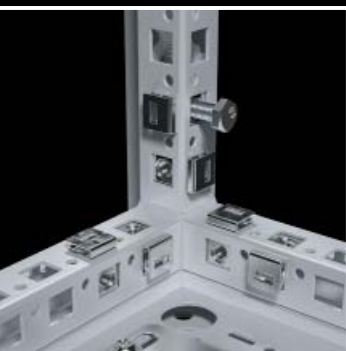
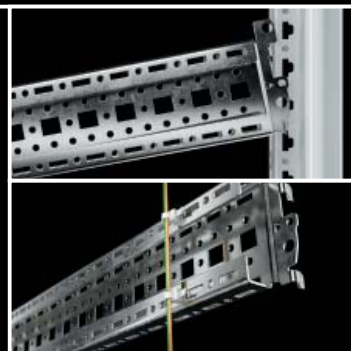
### Enclosure frame

The patented profile is completely symmetrical across all levels and equipped with 25 mm system punchings that are consistently retained even across multiple enclosures.



### Punched section with mounting flanges for the outer mounting level

The punched section may optionally be used directly on the enclosure section or in combination with the punched section with mounting flange of the inner mounting level.



### Cage nut

With their ergonomic form and integral automatic potential equalisation, the M6 or M8 cage nuts contribute to a high standard of work safety. They may be used on all levels of the VX25 enclosure system, as well as in all punched sections with 12.5 x 11 mm square punchings.



## Two mounting levels

The two mounting levels, spaced 25 mm apart, allow optimum flexibility and maximise the space available for interior installation.

- 1 Outer mounting level
- 2 Inner mounting level

## Punched section with mounting flange for the inner mounting level

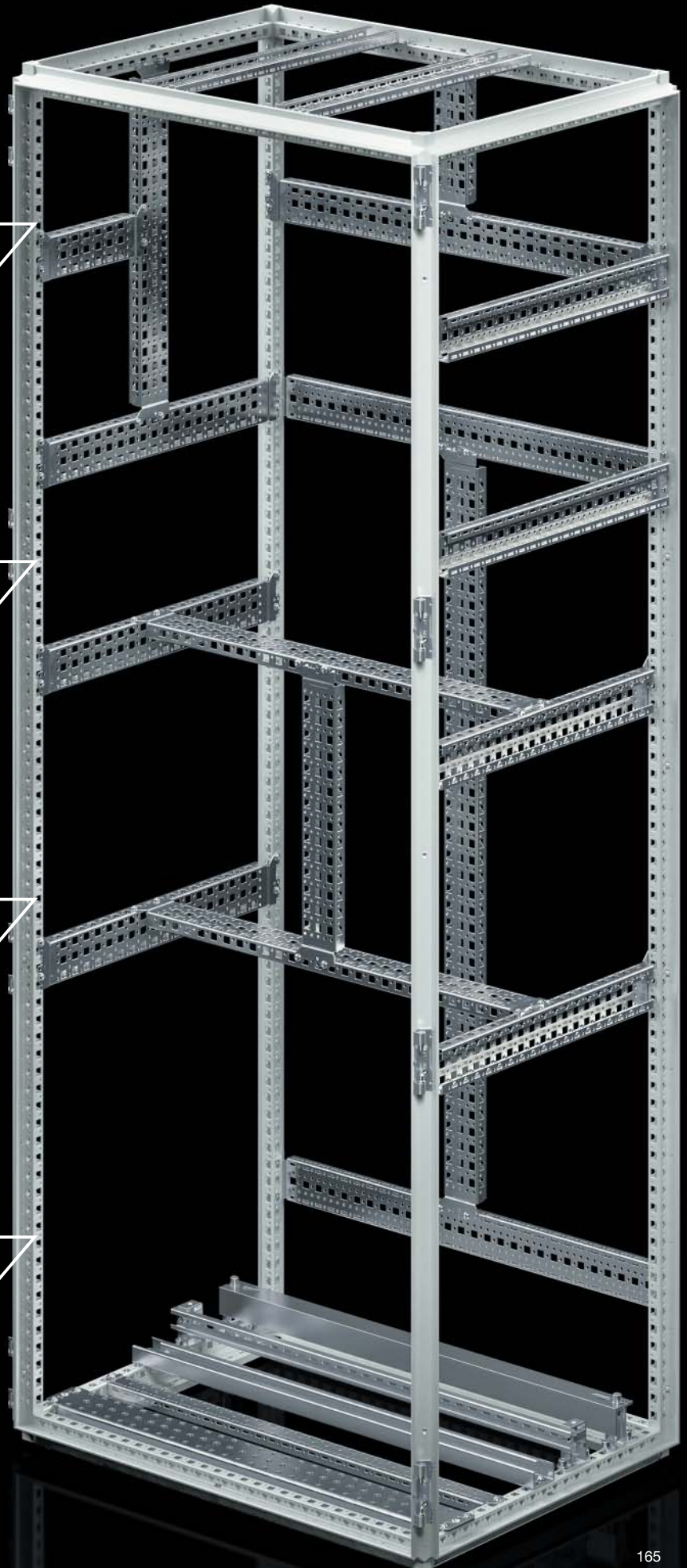
The punched section with mounting flange supports system configuration on a 25 mm pitch pattern across all levels of the VX25, even beyond enclosure boundaries. With the system punchings, cage nuts up to M8 can be used across three levels. This allows you to securely fasten your own components with metric screws. Direct mounting on the horizontal enclosure section is also supported.

## Punched section with mounting flange for the outer mounting level

The punched section is easily retro-fitted, even with the side panel already installed, because the rounded edges allow it to be screwed in. The additional C-fold may be used to support heavy installed equipment on the side panel or roof, or for attaching cable connectors.

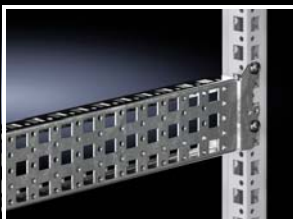
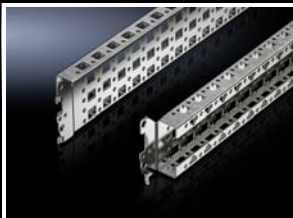
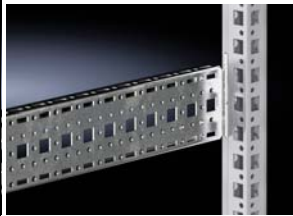
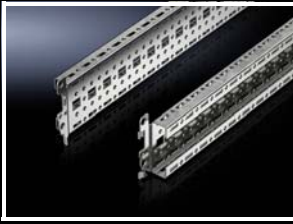
## Punched sections with mounting flanges, 14 x 39 mm

The punched section enables individual interior installation on the tubular door frame provided as standard.



# 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:

- Sheet 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>



#### Accessories:

- Screws, see page 174
- Cable ties 2597.000, see page 207

### 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:

- Sheet 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>



#### Accessories:

- Screws, see page 174
- Cable ties 2597.000, see page 207
- Cage nuts, see page 173
- Base/plinth installation bracket, see page 95

# Interior installation

## Rail systems

### 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:

- Sheet steel

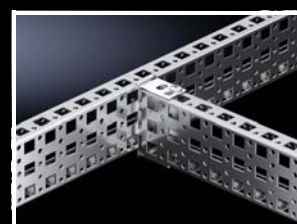
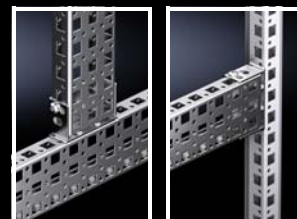
#### Surface finish:

- 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>

#### ⊕ Accessories:

- Screws, see page 174
- Cable ties 2597.000, see page 207
- Cage nuts, see page 173
- Base/plinth installation bracket, see page 95



# 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:

- Sheet 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>

#### Note:

- In enclosures with a mounting plate, two punched rails (as mounting plate slide rails) are already included with the supply



#### Accessories:

- Screws, see page 174
- Cable ties 2597.000, see page 207
- Cable clamps, see page 207

### 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:

- Sheet 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>
800	740	20 pc(s).	<b>4697.000</b>



#### Accessories:

- Screws, see page 174
- Cable ties 2597.000, see page 207



# 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:

- Sheet 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>



#### Accessories:

- Cable clamps, see page 207
- Support/spacer bracket, see page 172
- Quick-assembly block, see page 172



#### Possible alternative:

- Rail for EMC shielding bracket and strain relief, see page 184



### Support rail 48 x 26 mm

For heavy installed equipment such as transformers. T-head screw and slots in the support rail accommodate all mounting dimensions.

#### Installation options:

- On the inner mounting level, on the enclosure section

#### Material:

- Sheet steel

#### Surface finish:

- Zinc-plated

#### Supply includes:

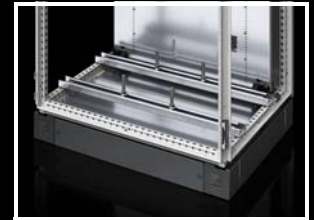
- Assembly parts

For enclosure width mm	Packs of	Model No.
600	2 pc(s).	<b>8617.800</b>
800	2 pc(s).	<b>8617.810</b>
1000	2 pc(s).	<b>8617.820</b>
1200	2 pc(s).	<b>8617.830</b>



#### Accessories:

- Punched section with mounting flange 23 x 64 mm for height-offset installation, see page 166



### 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:

- Sheet steel

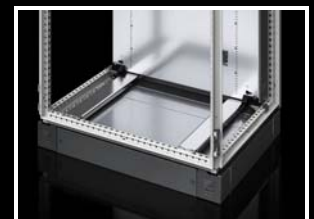
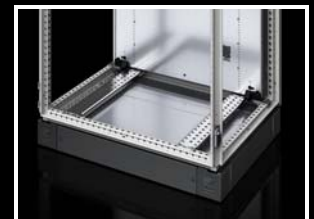
#### Surface finish:

- Zinc-plated

#### Supply includes:

- Assembly parts

For enclosure width/depth mm	Packs of	Model No.	Model No.
		Slotted	unslotted
400	4 pc(s).	<b>4394.000</b>	-
500	4 pc(s).	<b>4395.000</b>	-
600	4 pc(s).	<b>4396.000</b>	<b>4396.500</b>
800	4 pc(s).	<b>4398.000</b>	<b>4398.500</b>



# Interior installation

## Rail systems



### Support rail 65 x 42 mm

For heavy installed equipment such as base isolators or transformers.

**Installation options:**

- On the inner mounting level, on the enclosure section

**Material:**

- Steel

**Surface finish:**

- Zinc-plated

**Supply includes:**

- Assembly parts

For enclosure width mm	Packs of	Model No.
600	2 pc(s).	<b>8612.960</b>
800	2 pc(s).	<b>8612.980</b>



### Support rail TH 35/15

For snap-mounting terminals or other components with a snap-in system to EN 60 715.

For enclosure width/depth mm	Support rails length mm	Packs of	Model No.
500	455	6 pc(s).	<b>4933.000</b>
600	555	6 pc(s).	<b>4934.000</b>
800	755	6 pc(s).	<b>4935.000</b>
1200	1155	6 pc(s).	<b>4937.000</b>
-	2000	6 pc(s).	<b>2313.150</b>

### Support rail TH 35/7.5

For snap-mounting terminals or other components with a snap-in system to EN 60 715.

For enclosure width/depth mm	Support rails length mm	Packs of	Model No.
-	2000	6 pc(s).	<b>2313.750</b>



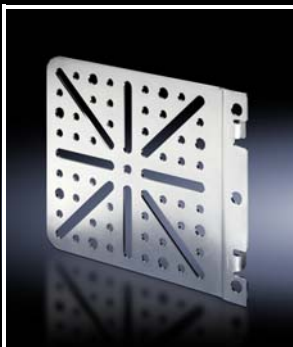
### Mounting clip

For fast, secure attachment of:

- Cable ducts
- Mounting plates
- Mounting angles

on support rail TH 35/7.5 and 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).	<b>2309.000</b>



### Mounting plate

**Locatable**

**Installation options:**

- On the inner and outer mounting level, on the enclosure section
- On punched sections with mounting flanges

**Material:**

- Sheet steel

**Surface finish:**

- Zinc-plated

**Supply includes:**

- Assembly screws

Packs of	Model No.
4 pc(s).	<b>8612.400</b>

**+** **Accessories:**

- Screws, see page 174
- Cable ties 2597.000, see page 207

### Mounting plate

#### Screw-fastened, large

##### Installation options:

- On all enclosures and mounting parts with system punchings on a 25 mm pitch pattern

##### Material:

- Sheet steel

##### Surface finish:

- Zinc-plated

##### Supply includes:

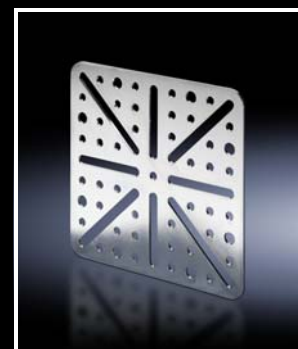
- Assembly screws

Packs of	Model No.
4 pc(s).	8612.410



##### Accessories:

- Screws, see page 174
- Cable ties 2597.000, see page 207



### Mounting plate

#### Screw-fastened, small

##### Installation options:

- 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).	4532.000



##### Accessories:

- Screws, see page 174
- Cable ties 2597.000, see page 207



### Mounting plate

#### with integral top-hat rail

For direct snap-mounting of components such as speed control, enclosure internal thermostat and hygrostat.

##### Material:

- Sheet steel

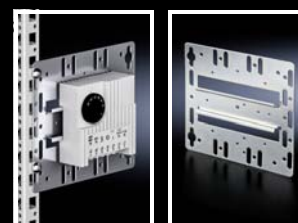
##### Surface finish:

- Zinc-plated

##### Supply includes:

- Assembly parts

Packs of	Model No.
1 pc(s).	7526.964



### Mounting bracket

##### Installation options:

- 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).	4597.000



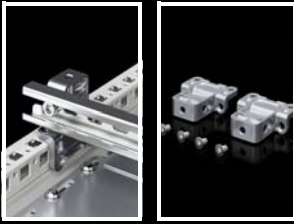
##### Accessories:

- Screws, see page 174
- Cable ties 2597.000, see page 207



# Interior installation

## Assembly components



### Support/spacer bracket VX

For flexible attachment of C rails, support rails or cable clamp rails. For installation in the VX base/plinth or on the VX enclosure section.

#### Installation options:

- On the vertical and horizontal enclosure section
- On punched sections with mounting flanges for the inner mounting level
- With the VX base/plinth system, on the base/plinth trim panel and corner piece

#### Material:

- Die-cast zinc

#### Supply includes:

- 2 support/spacer brackets
- Assembly parts

Packs of	Model No.
2 pc(s).	<b>8619.470</b>

#### Accessories:

- Angle piece 4134.000, see page 172



### Quick-assembly block

For a variety of installation options.

#### Installation options:

- On the vertical and horizontal enclosure section
- On punched sections with mounting flanges for the inner mounting level

#### Material:

- Die-cast zinc

#### Supply includes:

- 12 quick-assembly blocks
- 12 threaded blocks M8
- 24 screws M8 x 12 mm
- 24 square nuts M8

Packs of	Model No.
12 pc(s).	<b>4133.000</b>

#### Accessories:

- Angle piece 4134.000, see page 172



### Angle piece

For assembling mounting surfaces with a 45° incline.

With two mounting options as standard:

- Conductively connected to the subsurface
- Insulated from the mounting surface

#### Installation options:

- On the vertical and horizontal enclosure section
- On punched sections with mounting flanges for the inner mounting level
- On the bracket/spacer
- On the quick-assembly block

#### Material:

- Angle pieces: Die-cast zinc
- Insulating pieces: Plastic

#### Supply includes:

- 1 pc(s). =
  - 1 angle piece
  - 1 insulating piece
  - 1 insulating screw
  - 2 assembly screws
  - 1 threaded block M8

Packs of	Model No.
12 pc(s).	<b>4134.000</b>

# Interior installation

## Assembly components

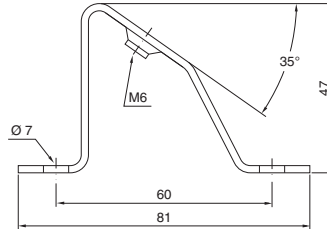
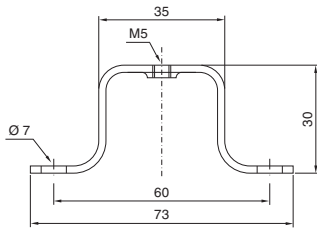
### Rail mounting bracket

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

**Material:**

- Sheet 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>



# 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 M8 x 12	300 pc(s). 300 pc(s).	<b>2504.500</b> <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>





### Component shelves

The component shelves for frame attachment enable the fast creation of support surfaces for devices; if necessary, they may also be equipped with telescopic slides. The shelves are slotted to support natural convection inside the enclosure. Additionally, the devices may be screw-fastened directly to these punchings to prevent slipping; no machining is required. The optional hinged cable support ensures secure cable routing into the enclosure.



### EMC protection

The level of EMC protection in the VX25 bayed enclosure system is already high, but can be further significantly improved by adopting simple measures for cable entry. The rail for EMC shielding brackets provides strain relief as well as EMC contacting of inserted cables. The rail can be fitted on the horizontal or vertical enclosure section, as well as directly onto the mounting plate.



### EMC cable glands

The EMC cable gland can be used for EMC-compatible insertion of individual cables. The lock nut creates a conductive connection with the enclosure. Cable glands can be used on all suitable surfaces on the enclosure.





### LED system light

The LED system light is specifically designed to provide optimum illumination of the entire enclosure, when fitted both horizontally and vertically. Two different Fresnel structures ensure that all the light remains inside the enclosure, illuminating every last corner. For tool-free mounting directly into the system punchings using a system of clip-in hooks.

### Easy connection

Connection is just as straightforward as assembly. The rotating connectors allow user-friendly connection, even in tight spaces. The wide ranging power supply unit means that the light can be used anywhere in the world.

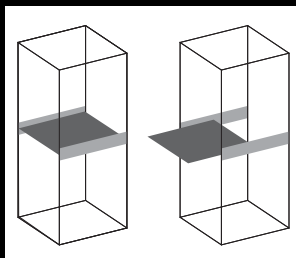
### Thermostat/hygrostat

For optimum monitoring and adjustment of climate control.



# Interior installation

## Component shelves for frame attachment



### Component shelf for frame attachment

#### For enclosure width 600 and 800 mm

For installation in enclosures **without** 482.6 mm (19") accommodation.

Max. depth of component shelves =  
Enclosure depth - 100 mm

#### Technical specifications:

- Mounting bolts or mounting rails may be installed on a 25 mm pitch pattern in the enclosure depth
- Mounting hole for handles provided.
- Slotted component shelf

#### Material:

- Sheet steel

#### Surface finish:

- Spray-finished

#### Colour:

- RAL 7035

#### Supply includes:

- Assembly parts

#### Enclosure width 600 mm

Load capacity N (static surface load)	500	500	500	500	1000	1000	1000	1000
Component shelf width mm	471	471	471	471	471	471	471	471
Component shelf depth mm	400	500	600	700	400	500	600	700
Component shelf height mm	29	29	29	29	45	45	45	45
<b>Model No.</b>	<b>7164.035</b>	<b>7165.035</b>	<b>7166.035</b>	<b>7166.735</b>	<b>7464.035</b>	<b>7465.035</b>	<b>7466.035</b>	<b>7466.735</b>

#### Enclosure width 800 mm

Load capacity N (static surface load)	500	500	500	500	1000	1000	1000	1000
Component shelf width mm	671	671	671	671	671	671	671	671
Component shelf depth mm	400	500	600	700	400	500	600	700
Component shelf height mm	29	29	29	29	45	45	45	45
<b>Model No.</b>	<b>7184.035</b>	<b>7185.035</b>	<b>7186.035</b>	<b>7186.735</b>	<b>7484.035</b>	<b>7485.035</b>	<b>7486.035</b>	<b>7486.735</b>

#### ! Also required:

		<b>Model No.</b>
Punched section without mounting flange, 23 x 64 mm, as installation kit for enclosure depth, see page 167	500	8100.741
	600	8100.742
	800	8100.743
	1000/1200	8100.745

#### + Accessories:

		<b>Model No.</b>							
Telescopic slides		7061.000	7081.000	7161.000	7161.700	7064.000	7065.000	7066.000	7066.700
Handles for component shelves		5501.730	5501.730	5501.730	5501.730	5501.730	5501.730	5501.730	5501.730
Cable support, hinged, with anti-kink device and clamp for enclosure depth mm	≤ 600	7163.560	7163.560	7163.560	7163.560	7163.560	7163.560	7163.560	7163.560
	> 600	7163.565	7163.565	7163.565	7163.565	7163.565	7163.565	7163.565	7163.565



Baying enclosure system VX25 Page 54 Connection accessories Page 180

### Benefits:

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

### Material:

- Plastic
- Aluminium

### Colour:

- Enclosure: RAL 7016

### Light colour:

- 4000 K (neutral white)

### Supply includes:






- Assembly screws

### Protection class:

- II (all-insulated)

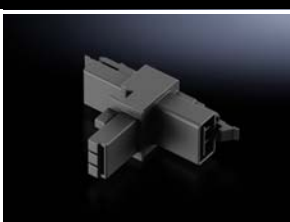
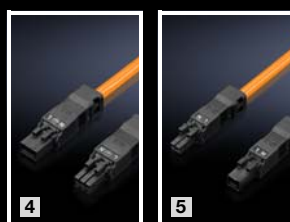
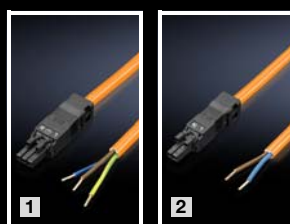
### Note:

- 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



### Connection accessories

#### for LED system light

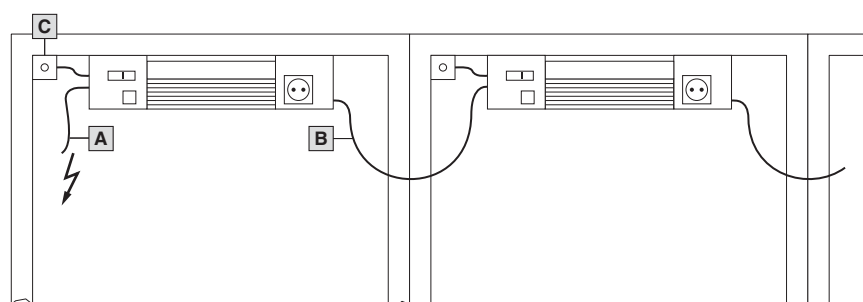
The following components can be used for time-saving, easy installation of the lights:

#### + Accessories:

– Cable ties 2597.000, see page 207

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).	<b>2500.500</b>	–
	■	–	3000	5 pc(s).	<b>2500.400</b>	–
[2] Infeed, 2-pole, 100 – 240 V AC	■	–	3000	5 pc(s).	<b>2500.420</b>	–
[3] Infeed, 2-pole, 24 V DC	■	■	3000	5 pc(s).	–	<b>2500.410</b>
[4] Through-wiring, 3-pole, 100 – 240 V AC	■	–	200	1 pc(s).	<b>2500.435</b>	–
	■	■	1000	1 pc(s).	<b>2500.530</b>	–
[5] Through-wiring, 3-pole, 100 – 240 V AC	■	–	1000	5 pc(s).	<b>2500.430</b>	–
	■	–	1000	5 pc(s).	<b>2500.450</b>	–
[6] Through-wiring, 2-pole, 100 – 240 V AC	■	–	1000	5 pc(s).	<b>2500.450</b>	–
[6] Through-wiring, 2-pole, 24 V DC	■	■	1000	5 pc(s).	–	<b>2500.440</b>

- [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).	<b>2500.680</b>

### Door-operated switch

#### for LED system light

##### Supply includes:

– Assembly parts

##### Protection category:

– IP 40

Connection cable	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).	<b>2500.460</b>
	–	■	800		1 pc(s).	<b>2500.470</b>

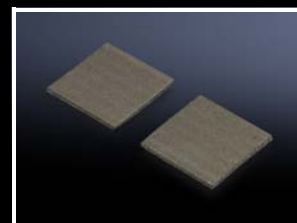
# Interior installation

## 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

#### Colour:

- RAL 7016

#### Supply includes:

- Assembly parts

#### Configuration examples:

See from page 1020.

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:

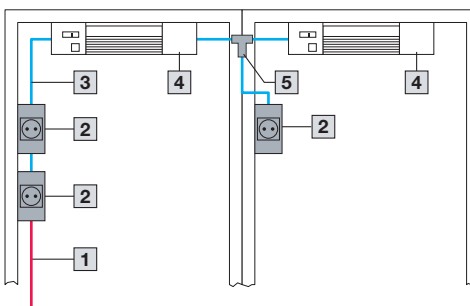
- Depending on the application, through-wiring or a 3-pole infeed may be required, see page 180



#### Accessories:

- T distributor, see page 180
- Through-wiring, 3-pole, see page 180
- Infeed, 3-pole, see page 180

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



# Interior installation

## Climate control accessories



### Thermostat

#### Enclosure internal thermostat

Particularly suitable for controlling fans, heaters and heat exchangers, this thermostat can also be used as a signal generator for monitoring the enclosure internal temperature.

#### Benefits:

- Time-saving connection technique using a terminal strip with a screw connection from the outside
- Flexible mounting on a vertical or horizontal 35 mm support rail to EN 50 022, and snap fastening in the enclosure section or on the mounting plate using the supplied adaptor

#### Technical specifications:

- Bi-metal controller as a temperature-sensitive element with thermal feedback
- Contact population: Single-pole change-over contact as a quick-break contact
- Permissible contact load:  
Category 5 – 3 (heating): AC 10 (4) A (inductive load at  $\cos \phi = 0.6$ )/category 5 – 4 (cooling): AC 5 (4)A (inductive load at  $\cos \phi = 0.6$ )/DC = max. 30 W
- Switching difference: approx. 1 K  $\pm$  0.8 K

#### Colour:

- RAL 7035



#### Accessories:

- Bottom-mounted adaptor see Cat. 36, page 548
- Mounting plate, see page 170

W x H x D mm	Rated operating voltage $V_n$ ~	Setting range	Packs of	Model No.
71 x 71 x 33.5	24 - 230, 1~ 24 - 60 (DC)	+5 °C...+60 °C	1 pc(s).	<b>3110.000</b>



### Hygrostat

Activates the heater and/or fan when a preset relative humidity inside the enclosure is exceeded. This raises the relative humidity above the dew point and prevents condensation on assemblies and electronic components.

#### Benefits:

- Time-saving connection technique using a terminal strip with a screw connection from the outside
- Flexible mounting on a vertical or horizontal 35 mm support rail to EN 50 022, and snap fastening in the enclosure section or on the mounting plate using the supplied adaptor

#### Technical specifications:

- Contact population: Single-pole change-over contact as a quick-break contact
- Permissible contact load: AC ~ 5 (0.2) A (inductive load at  $\cos \phi = 0.6$ )/DC = max. 20 W
- Setting range: 50 – 100% relative humidity
- Switching difference: approx. 4%

#### Colour:

- RAL 7035



#### Accessories:

- Bottom-mounted adaptor see Cat. 36, page 548
- Mounting plate, see page 170

W x H x D mm	Rated operating voltage $V_n$ ~	Packs of	Model No.
71 x 71 x 33.5	24 - 250, 1~ 24 - 75 (DC)	1 pc(s).	<b>3118.000</b>

### EMC side panel

Automatic potential equalisation via assembly components, and a high level of EMC protection thanks to a special EMC seal.

**Material:**

- Sheet steel, 1.5 mm

**Surface finish:**

- Magnesium zinc coated, powder-coated on the outside

**Colour:**

- RAL 7035

**Protection category IP to IEC 60 529:**

- IP 55

**Supply includes:**

- Assembly parts

For enclosures		Packs of	Model No.
Height mm	Depth mm		
2000	600	2 pc(s).	<b>8106.760</b>
2000	800	2 pc(s).	<b>8108.760</b>



### EMC shielding seal

For EMC-compliant shielding of the baying point in conjunction with external baying connector.

**Protection category IP to IEC 60 529:**

- IP 55 in conjunction with external baying connector

**Supply includes:**

- 8 m

Packs of	Model No.
1 pc(s).	<b>8800.695</b>



**Also required:**

- Baying connector, external, see page 114



### EMC divider panel seal

With bayed EMC enclosure systems and when using a zinc-plated divider panel, this seal ensures optimum contact and shield attenuation.

**Material:**

- PU foam with electrically conductive sheathing

**Supply includes:**

- 6 m

Packs of	Model No.
1 pc(s).	<b>4348.500</b>



# Interior installation

## EMC



### Rail

#### for EMC shielding bracket and strain relief

Combined rail for strain relief and EMC contacting of inserted cables.

#### Design:

- C rail to accommodate cable clamps
- T-head cut-outs on a 40 mm pitch pattern for cable clamping using cable ties

#### Benefits:

- Additional contacting on the left or right of the rail via existing holes (9 mm diameter)
- Prepared for tool-free mounting of EMC shielding brackets

#### Installation options:

- On the horizontal/vertical enclosure section
- On the mounting plate, may also be fitted without a retaining bracket

#### Material:

- Extruded aluminium section

#### Surface finish:

- Chrome-free passivated

#### Supply includes:

- 1 rail
- 2 retaining brackets
- Assembly parts



For enclosure width mm	Length mm	Packs of	Model No.
600	553	1 pc(s).	<b>2388.650</b>
800	753	1 pc(s).	<b>2388.850</b>
1000	953	1 pc(s).	<b>2388.050</b>
1200	1153	1 pc(s).	<b>2388.125</b>



#### Also required:

- EMC shielding bracket, see page 184
- Cable clamps, see page 207



#### Accessories:

- Support/spacer bracket, see page 172
- Quick-assembly block, see page 172
- Angle piece, see page 172
- Earth straps, see page 188
- Earthing braids, see page 188



#### Possible alternative:

- C rails 30/15, see page 169



### EMC shielding bracket

Quick assembly without the use of tools:

Press the EMC shielding bracket against the cable shield and clip into the rail.

Diameter changes are compensated in full by the spring of the EMC shielding bracket.

#### Material:

- Sheet steel

#### Surface finish:

- Zinc-plated

For shield diameter mm	Packs of	Model No.
3 – 10	10 pc(s).	<b>2388.100</b>
4 – 15	10 pc(s).	<b>2388.150</b>
10 – 20	10 pc(s).	<b>2388.200</b>
15 – 28	10 pc(s).	<b>2388.280</b>



### EMC gland plate

For shielded cables with a maximum diameter of 20 mm.

Combined EMC contacting and cable fastening provide low-resistance contact between the cable shield and gland plate.

For all 400, 500, 600 and 800 mm deep enclosures in conjunction with standard gland plates.

#### Material:

- Sheet steel

#### Surface finish:

- Zinc-plated

#### Supply includes:

- 1 gland plate with twin hammer-head punching
- 1 sliding base plate
- 2 EMC seals

Width mm	Packs of	Model No.
600	1 pc(s).	<b>8618.820</b>
800	1 pc(s).	<b>8618.821</b>
1000	1 pc(s).	<b>8618.822<sup>1)</sup></b>
1200	1 pc(s).	<b>8618.823<sup>1)</sup></b>

<sup>1)</sup> For one enclosure half only

#### Note:

- Standard-compliant IP protection category not supported



### EMC cable gland

The cable sheathing may optionally be interrupted at the contact point or removed completely inside the enclosure. The cable shielding in the enclosure is retained. The supplied lock nut cuts automatically into the paint when screwed onto spray-finished enclosure surfaces, thus creating a conductive connection.

**Protection category IP to IEC 60 529:**

- IP 68

#### Cable glands, metric

Size	Cable diameter mm	Minimum shield diameter <sup>1)</sup> mm	Packs of	Model No.
M16	4.5 – 10	3	5 pc(s).	<b>2843.160</b>
M20	6 – 12	5	5 pc(s).	<b>2843.200</b>
M25	11 – 17	8	5 pc(s).	<b>2843.250</b>
M32	15 – 21	10	1 pc(s).	<b>2843.320</b>
M40	19 – 28	15	1 pc(s).	<b>2843.400</b>
M50	27 – 38	19	1 pc(s).	<b>2843.500</b>
M63	34 – 44	30	1 pc(s).	<b>2843.630</b>

<sup>1)</sup> Minimum shield diameter = cable diameter minus cable sheathing



### EMC shield bus

Made of corrosion-proof steel strip, 75 mm<sup>2</sup> cross section, for cable shield contact.

**Supply includes:**

- Assembly parts

Rail length mm	Connections	Packs of	Model No.
375	10	1 pc(s).	<b>2413.375</b>
550	16	1 pc(s).	<b>2413.550</b>



### EMC earth clamp

The clamps may be used directly on the device or operating equipment on the mounting plate for cable shield contact.

**Material:**

- Sheet steel

**Surface finish:**

- Zinc-plated

Size mm	Packs of	Model No.
4	50 pc(s).	<b>2367.040</b>
6	50 pc(s).	<b>2367.060</b>
8	50 pc(s).	<b>2367.080</b>
12	50 pc(s).	<b>2367.120</b>
16	50 pc(s).	<b>2367.160</b>
20	25 pc(s).	<b>2367.200<sup>1)</sup></b>

<sup>1)</sup> 2 assembly brackets



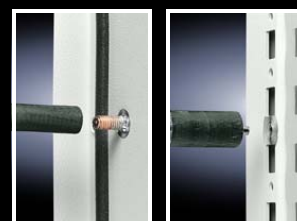
### Contact cutter

The contact cutter enables EMC-compatible preparation of the contact point e.g. for earthing braids. Plastic-bound abrasive with guide pin for round system punchings.

With location point for drill, grinder etc.

For	Model No.
Frame section	<b>2414.000</b>
Earthing bolts <sup>1)</sup>	<b>2414.500</b>

<sup>1)</sup> Not necessary with VX and TS



### Contact paint

Contact paint prevents the corrosion of conductive, unprotected contact points.

**Contents:**

- 12 ml

Packs of	Model No.
1 pc(s).	<b>2415.000</b>



# Interior installation

## For areas at risk from earthquakes



The versions have been tested and meet the requirements to Telcordia GR 63-CORE. They should be seen as a comparative variable to the customer's own plant, since empty enclosures cannot be certified.

**Note:**

- Further information can be found in the white paper "Earthquake protection for switchgear systems" on the Internet

**VX25 in earthquake zones 1 and 2 to Telcordia GR 63-CORE**

VX 8806.000:  
W x H x D:  
800 x 2000 x 600 mm,  
see page 63

Fitted with:

- Side panel, see page 104
- Base/plinth VX (corner pieces with base/plinth trim panels, front and rear and side base/plinth trim panels, 100 mm high), see page 91/92

**VX25 in earthquake zones 3 to Telcordia GR 63-CORE**

VX 8806.000:  
W x H x D:  
800 x 2000 x 600 mm,  
see page 63

Fitted with:

- Side panel, see page 104
- Comfort handle VX, see page 130
- Earthquake base/plinth, see page 187

**VX25 in earthquake zones 4 to Telcordia GR 63-CORE**

VX 8806.000:  
W x H x D:  
800 x 2000 x 600 mm,  
see page 63

Fitted with:

- Side panel, see page 104
- Comfort handle VX, see page 130
- Earthquake base/plinth, see page 187
- Earthquake kit, see page 187



# Interior installation

## For areas at risk from earthquakes

### Earthquake base/plinth

#### Height 100 mm

- For stable attachment of the earthquake-resistant enclosure to the subsurface
- External metric M6 thread for a stable connection to the subsurface from the outside

#### Material:

- Corner pieces: Sheet steel 5 mm
- Trim panels: Sheet steel 2 mm

#### Surface finish:

- Powder-coated

#### Colour:

- RAL 7022

#### Supply includes:

- 1 set =
  - 4 corner pieces,
  - 2 depth stays,
  - 1 trim panel each front and rear fully assembled

For enclosures W x D mm	Packs of	Model No.
800 x 600	1 pc(s).	<b>8601.860</b>



### Earthquake kit

#### Material:

- Sheet steel

#### Surface finish:

- Zinc-plated

#### Supply includes:

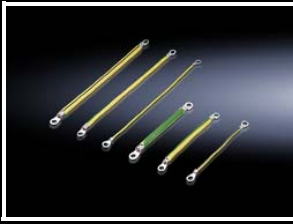
- 1 pc(s) =
  - 2 side reinforcements, bottom
  - 4 bracing struts, sides
  - 6 gusset plates
  - 2 door safety brackets
  - 4 punched sections with mounting flanges 23 x 64 mm
  - 2 mounting rails 18 x 39 mm
  - 8 angle plates
  - Mounting plate attachment
  - Assembly parts

For enclosures W x H x D mm	Packs of	Model No.
800 x 2000 x 600	1 pc(s).	<b>8618.600</b>



# Interior installation

## Earthing



### Earth strap

For configuring a reliable earthing connection with perfect contact

- With M8 ring terminals to match the earthing screws and bolts
- Length-optimised and ready to install

Connection	Cross-section mm <sup>2</sup>	Length mm	Packs of	Model No.
M8	4	170	5 pc(s).	<b>2564.000</b>
M8	16	170	5 pc(s).	<b>2565.000</b>
M8	25	170	5 pc(s).	<b>2566.000</b>
M8	4	300	5 pc(s).	<b>2567.000</b>
M8	10	300	5 pc(s).	<b>2565.120</b>
M8	16	300	5 pc(s).	<b>2568.000</b>
M8	25	300	5 pc(s).	<b>2569.000</b>



#### Also required:

- Assembly parts for earth straps, see page 188



### Earthing braid

Tin-plated copper, in various lengths and cross-sections with press-fitted contact rings. Earthing braids counteract the current displacement effect at high frequencies, whilst at the same time offering highly flexible connection opportunities.

#### Approvals:

- UR, cUR

Connection	Cross-section mm <sup>2</sup>	Length mm	Packs of	Model No.
M8	16	200	10 pc(s).	<b>2412.216</b>
M8	25	200	10 pc(s).	<b>2412.225</b>
M8	16	300	10 pc(s).	<b>2412.316</b>
M8	25	300	10 pc(s).	<b>2412.325</b>



#### Also required:

- Assembly parts for earth straps, see page 188



### Assembly parts

#### for earth straps

For fastening the earth straps and earthing braids to:

- Horizontal and vertical enclosure sections
- Punched sections with mounting flanges, 23 x 64 mm
- Punched section without mounting flange, 23 x 64 mm
- Gland plates

Size	Packs of	Model No.
M8	10 pc(s).	<b>2559.000</b>



#### Also required:

- For mounting on horizontal and vertical enclosure sections: Cage nuts, see page 173



### PE busbar

699 mm long PE busbar with pre-fitted screws, including terminal clamps up to 6 mm<sup>2</sup> (fine wire conductors), 10 mm<sup>2</sup> (single wire or multi-wire conductors) and main terminal clamp up to 35 mm<sup>2</sup>.

Packs of	Model No.
1 pc(s).	<b>2364.000</b>



#### Accessories:

- Cable retainer, see page 173

### Contact washer

Serrated contact washers facilitate the secure connection of PE conductors, so there is no need to manually strip paint in the connection area.

Size	Packs of	Model No.
M8	100 pc(s).	<b>2335.000</b>



### Central earthing point

For connecting

- Earth straps
- Earthing braids

to the vertical and horizontal enclosure sections.

The connection bracket is connected to the enclosure frame with 2 screws and is securely contacted. Earth connection is via the threaded bolt M8 x 20 mm.

**Material:**

- Sheet steel

**Surface finish:**

- Zinc-plated

Packs of	Model No.
1 pc(s).	<b>7829.200</b>

**Supply includes:**

- 1 connection bracket
- 2 assembly screws for mounting on the enclosure section
- 2 serrated washers
- 1 nut M8
- 1 contact lock washer M8
- 1 washer



# ISV distribution enclosures

## Installation kits



### ISV installation kit

For mounting ISV installation modules in the enclosure.

#### Material:

- Mounting frame holder: sheet steel, zinc-plated
- Contact hazard protection: sheet steel, spray-finished
- Contact hazard protection, sides: PVC

#### Supply includes:

- Mounting aid support
- Contact hazard protection
- Assembly parts



#### Accessories:

- Cross rail, see page 197
- Mounting angle, see page 197
- Depth stay, see page 197
- Equipment support connector, see page 197

For enclosure width mm	600	600	850	1100
For enclosure height mm	1800	2000	2000	2000
For enclosure depth mm	400 500 600	400 500 600	400 600	400 600
To fit Model No.	8457.000/8684.000/ 8685.000/8686.000	8452.000/8604.000/ 8605.000/8606.000	9666.916/9666.956	9666.926/9666.966
Width units (WU) @ 250 mm	2	2	3	4
Height units (U) @ 150 mm	11	12	12	12
Note on Model No.	Additionally required: Mounting angle 9666.711 Mounting plate 8612.400	Additionally required: Mounting angle 9666.712 Mounting plate 8612.400	Additionally required: Mounting angle 9666.712 Mounting plate 8612.400	Additionally required: Mounting angle 9666.712 Mounting plate 8612.400 Depth stay 9666.732
Packs of	1 pc(s).	1 pc(s).	1 pc(s).	1 pc(s).
<b>Model No.</b>	<b>9666.932</b>	<b>9666.902</b>	<b>9666.912</b>	<b>9666.922</b>

# ISV distribution enclosures

## Installation modules

### 1 Contact hazard protection module

- For covering free installation areas
- Cover is prepared for a lead seal

**Material:**  
- Cover: Polystyrene

**Colour:**  
- RAL 7035

**Supply includes:**  
- Assembly parts

### 2 Mounting plate module

- With mounting plate made from 2 mm zinc-plated sheet steel
- Cover is prepared for a lead seal
- Possible installation depth 105 – 140 mm

Size				Packs of	Interior installation	1 Contact hazard protection		2 Mounting plate	
Width unit		Height unit				Model No.	Mounting plate dimensions mm	Model No.	
WU	mm	U	mm						
1	250	1	150	1 pc(s).	Empty module	<b>9666.000</b>	188 x 116	<b>9666.080</b>	
1	250	2	300	1 pc(s).		<b>9666.010</b>	188 x 266	<b>9666.090</b>	
1	250	3	450	1 pc(s).		<b>9666.020</b>	188 x 416	<b>9666.100</b>	
1	250	4	600	1 pc(s).		<b>9666.030</b>	188 x 566	<b>9666.110</b>	
2	500	1	150	1 pc(s).		<b>9666.040</b>	438 x 116	<b>9666.120</b>	
2	500	2	300	1 pc(s).		<b>9666.050</b>	438 x 266	<b>9666.130</b>	
2	500	3	450	1 pc(s).		<b>9666.060</b>	438 x 416	<b>9666.140</b>	
2	500	4	600	1 pc(s).		<b>9666.070</b>	438 x 566	<b>9666.150</b>	
3	750	2	300	1 pc(s).		<b>9666.053</b>	688 x 266	<b>9666.133</b>	
3	750	3	450	1 pc(s).		<b>9666.063</b>	688 x 416	<b>9666.143</b>	
3	750	4	600	1 pc(s).		<b>9666.073</b>	-	-	

1 WU  $\triangleq$  250 mm  
1 U  $\triangleq$  150 mm



### 1 Support rail module

- For installing terminal blocks, switchgear, etc.
- Support rails 35/15 mm
- Adjustable on a 25 mm pitch pattern
- Cover is prepared for a lead seal

**Material:**  
- Cover: Polystyrene  
- Support rail: Sheet steel, zinc-plated

**Colour:**  
- RAL 7035

**Supply includes:**  
- Assembly parts

### 2 DIN rail mounted device module

- To accommodate DIN rail mounted devices
- Support rails 35/15 mm
- Cover is prepared for a lead seal

**Accessories:**

- Cover strips for DIN rail mounted device modules, see page 196
- Wiring bracket for DIN rail mounted device modules, see page 196



Size				Number of support rails	Packs of	1 Support rails		2 DIN rail mounted devices	
Width unit		Height unit				Model No.	Mechanical interior installation <sup>1)</sup>	Model No.	
WU	mm	U	mm						
1	250	1	150	1	1 pc(s).	<b>9666.160</b>	12 pitch units (1 x 12 x 18 mm)	<b>9666.240</b>	
1	250	2	300	2	1 pc(s).	<b>9666.170</b>	24 pitch units (2 x 12 x 18 mm)	<b>9666.250</b>	
1	250	3	450	3	1 pc(s).	<b>9666.180</b>	36 pitch units (3 x 12 x 18 mm)	<b>9666.260</b>	
1	250	4	600	4	1 pc(s).	<b>9666.190</b>	48 pitch units (4 x 12 x 18 mm)	<b>9666.270</b>	
2	500	1	150	1	1 pc(s).	<b>9666.200</b>	24 pitch units (2 x 12 x 18 mm)	<b>9666.280</b>	
2	500	2	300	2	1 pc(s).	<b>9666.210</b>	48 pitch units (4 x 12 x 18 mm)	<b>9666.290</b>	
2	500	3	450	3	1 pc(s).	<b>9666.220</b>	72 pitch units (6 x 12 x 18 mm)	<b>9666.300</b>	
2	500	4	600	4	1 pc(s).	<b>9666.230</b>	-	-	
3	750	2	300	2	1 pc(s).	<b>9666.213</b>	72 pitch units (6 x 12 x 18 mm)	<b>9666.293</b>	
3	750	3	450	3	1 pc(s).	<b>9666.223</b>	108 pitch units (9 x 12 x 18 mm)	<b>9666.303</b>	

1 WU  $\triangleq$  250 mm  
1 U  $\triangleq$  150 mm

<sup>1)</sup> No. of panels x pitch units x width

# ISV distribution enclosures

## Installation modules



### Connection terminal block

- For connecting copper and aluminium conductors
- For laminated copper bars or solid and stranded conductors with a pressed wire end ferrule

#### Material:

- Duroplastic

#### Colour:

- RAL 7035

#### Supply includes:

- Assembly parts

Design	Connection of round conductors mm <sup>2</sup>	Clamping area for laminated copper bars, (W x H) mm	Packs of	Model No.	Page
250 A, 5-pole	1 x 16 – 150 or 2 x 16 – 70	17 x 21	1 pc(s).	<b>9666.340</b>	
400 A, 5-pole	1 x 50 – 240 or 2 x 25 – 120	25 x 21	1 pc(s).	<b>9666.350</b>	

#### Also required

Description	Size				Packs of	Model No.	Page
	Width unit		Height unit				
	WU	mm	U	mm			
Mounting kit for connection terminal block	1	250	3	450	1 pc(s).	<b>9666.310</b>	
Contact hazard protection module	1	250	3	450	1 pc(s).	9666.020	191

1 WU  $\hat{=}$  250 mm  
1 U  $\hat{=}$  150 mm

### NH fuse-switch-disconnector module

- Suitable for accommodating NH fuse-switch disconnectors for mounting plate assembly
- Cover is prepared for a lead seal

#### Material:

- Cover: Polystyrene
- Cross member: Sheet steel

#### Colour:

- RAL 7035

#### Supply includes:

- Assembly parts

#### Note:

- Blanking cover 9666.665 should be used to seal unneeded cut-outs for NH fuse-switch disconnectors size 00

To fit NH disconnector		Size				Packs of	Model No.	Page
Size	Model No.	Width unit		Height unit				
		WU	mm	U	mm			
2 pc(s), size 00	9344.000/.010/ .020/.030/.040/.050	1	250	2	300	1 pc(s).	<b>9666.380</b>	
4 pc(s), size 00		2	500	2	300	1 pc(s).	<b>9666.390</b>	
1 pc(s), size 1	9344.100/.110/ .130/.150	1	250	3	450	1 pc(s).	<b>9666.400</b>	
1 pc(s), size 2	9344.200/.210/ .230/.250	1	250	3	450	1 pc(s).	<b>9666.410</b>	
1 pc(s), size 3 or 2 pc(s), size 2	9344.300/.310/ .330/.350	2	500	3	450	1 pc(s).	9666.060 <sup>1)</sup>	191
						1 pc(s).	9666.420 <sup>1)</sup>	192

1 WU  $\hat{=}$  250 mm  
1 U  $\hat{=}$  150 mm

<sup>1)</sup> Module unit consisting of disconnector cross-member 9666.420 and contact hazard protection module 9666.060

### Disconnector cross-member for NH fuse-switch disconnector, size 2/3

- Suitable for the accommodation of NH fuse-switch disconnectors for mounting plate assembly

#### Material:

- Sheet steel

#### Supply includes:

- Assembly parts

To fit NH disconnector		Size				Packs of	Model No.	Page
Size	Model No.	Width unit		Height unit				
		WU	mm	U	mm			
1 pc(s), size 3 or 2 pc(s), size 2	9344.210/.230/.250/ .300/.310/.330/.350	2	500	3	450	1 pc(s).	<b>9666.420</b>	

#### Also required

Contact hazard protection module	1 pc(s).	9666.060	191
----------------------------------	----------	----------	-----



# ISV distribution enclosures

## Installation modules

### NH slimline fuse-switch-disconnector module

For NH slimline fuse-switch disconnectors, sizes 00 to 3 (100/185 mm bar centre distance).

#### Material:

- Cover: Polystyrene
- Holder: Fibreglass-reinforced plastic

#### Colour:

- RAL 7035

#### Supply includes:

- Assembly parts

#### Note:

- Busbars are not included with the supply
- To ensure problem-free cable connection, a contact hazard protection module or an N/PE busbar module must be installed above or below the NH slimline fuse-switch disconnector modules



Size				For size	To fit Model No.	For busbar mm	Bar centre distance mm	Packs of	Model No.
Width unit		Height units							
WU	mm	U	mm						
1	250	3	450	3 x size 00	9346.020/ 9346.030	40 x 10	100	1 pc(s).	<b>9666.570</b>
2	500	3	450	6 x size 00	9346.020/ 9346.030	40 x 10	100	1 pc(s).	<b>9666.580</b>
2	500	5	750	8 x size 00 4 x size 1 4 x size 2 4 x size 3	9677.XXX	60 x 10	185	1 pc(s).	<b>9666.550</b>
3	750	3	450	10 x size 00	9346.020/ 9346.030	40 x 10	100	1 pc(s).	<b>9666.583</b>
3	750	5	750	12 x size 00 6 x size 1 6 x size 2 6 x size 3	9677.XXX	60 x 10	185	1 pc(s).	<b>9666.560</b>

#### Accessories

Contact hazard protection module	191
Busbar module N/PE	194

1 WU  $\geq$  250 mm

1 U  $\geq$  150 mm

### Circuit-breaker module

- Suitable for accommodating standard circuit-breakers from ABB, Eaton, Schneider Electric and Siemens
- Cover is prepared for a lead seal

#### Material:

- Cover: Polystyrene
- Support rail: Sheet steel, zinc-plated

#### Colour:

- RAL 7035

#### Note:

- Attachment of the circuit-breakers and the corresponding cut-out dimensions for the cover are shown in the enclosed assembly instructions
- Circuit-breakers are not included with the supply



For switchgear make	Size				Packs of	Model No.
	Width unit		Height unit			
	WU	mm	U	mm		
ABB (T1, T2, T3) Eaton (NZM1, NZM2, BZM B1, BZM B2) Schneider Electric (NSX100, NSX160, NSX250) Siemens (3RV13 53, VL160(X), VL250, VT1, VT2)	1	250	2	300	1 pc(s).	<b>9666.430</b>
ABB (T4, T5) Eaton (NZM3) Schneider Electric (NSX400, NSX630) Siemens (3RV1.6., 3RV1.7., VL400, VL630, VT3)	2	500	3	450	1 pc(s).	<b>9666.440</b>

1 WU  $\geq$  250 mm

1 U  $\geq$  150 mm

# ISV distribution enclosures

## Installation modules



### Meter mounting board module

- Open module for internal measurements
- Clearance depth available for meter installation 170 mm

#### Material:

- Meter mounting board: Polystyrene
- Mounting rails: Sheet steel, zinc-plated

#### Colour:

- RAL 7035

#### Supply includes:

- Assembly parts

#### Note:

- The meter mounting board module does not comply with meter mounting board standard DIN 43 870/VDE 0603 and does not meet the conditions for total insulation. Use in un-metered areas only by arrangement with the local electricity supply company.



#### Assembly

- 1 contact hazard protection module/DIN rail mounted device module or support rail module with 1 WU and at least 1 U is required both above and below the module.

Size				Packs of	Model No.	Page
Width unit		Height unit				
WU	mm	U	mm			
1	250	3	450	1 pc(s).	<b>9666.640</b>	

#### Also required

Contact hazard protection module	191
Support rail module	191
Serial installation device module	191
1 WU $\hat{=}$ 250 mm	
1 U $\hat{=}$ 150 mm	



### Busbar module N/PE

- For attaching the busbars for N and PE
- Cover is prepared for a lead seal

#### Material:

- Cover: Polystyrene
- Holder: Fibreglass-reinforced plastic
- Support rail: Sheet steel, zinc-plated

#### Colour:

- RAL 7035

#### Supply includes:

- Assembly parts

#### Note:

- Busbars are not included with the supply

For busbars mm	Size				Packs of	Model No.
	Width unit		Height unit			
	WU	mm	U	mm		
12 x 5 to 30 x 10 mm	1	250	2	300	1 pc(s).	<b>9666.590</b>
	2	500	2	300	1 pc(s).	<b>9666.600</b>
	3	750	2	300	1 pc(s).	<b>9666.603</b>

- 1 WU  $\hat{=}$  250 mm
- 1 U  $\hat{=}$  150 mm

# ISV distribution enclosures

## Installation modules

### Busbar module

#### for fuse elements

For assembling bus-mounting fuse bases E18, E27, E33 and D-Switch as well as NH fuse-switch disconnectors, sizes 000 and 00 (3-pole, 60 mm bar centre distance).

#### Material:

- Cover: Polystyrene
- Holder: Fibreglass-reinforced plastic

#### Colour:

- RAL 7035

#### Supply includes:

- Assembly parts

#### Note:

- Busbars are not included with the supply



Size				To fit		Packs of	Model No.	Page
Width unit		Height unit		Fuse elements Model No.	NH disconnectors Model No.			
WU	mm	U	mm					
1	250	2	300	3418.010 3427.010 3433.010 9340.950	9343.000 <sup>1)</sup> 9343.020 <sup>1)</sup> 9343.040 <sup>1)</sup> 3431.020 3431.030 3431.035	1 pc(s).	<b>9666.520</b>	
2	500	2	300		3431.020 3431.030 3431.035	1 pc(s).	<b>9666.530</b>	
3	750	2	300		3431.020 3431.030 3431.035	1 pc(s).	<b>9666.533</b>	

#### Accessories

Blanking cover		10 pc(s).	9666.660	196
----------------	--	-----------	----------	-----

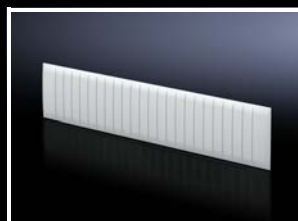
1 WU  $\geq$  250 mm

1 U  $\geq$  150 mm

<sup>1)</sup> A depth extension frame 9666.680 should additionally be used to ensure unrestricted connection.  
NH fuse-switch disconnectors size 00 cannot be combined with other equipment.

# ISV distribution enclosures

## Accessories



### Cover strips

#### for DIN rail mounted device module

For sealing unused component cut-outs in DIN rail mounted device modules, max. 12 pitch units (12 x 18 mm), divisible every 9 mm.

**Material:**

– ABS

**Colour:**

– RAL 7035

Packs of	Model No.
5 pc(s).	<b>9666.650</b>



### Blanking cover

#### for busbar module

- For sealing unused cut-outs
- To fit bus-mounting fuse base, D-Switch and NH fuse-switch disconnecter size 000 (3-pole, 60 mm busbar systems) in busbar modules (9666.520/.530/.533)
- Width: 16– 34 mm, variable

**Material:**

– Polypropylene

**Colour:**

– RAL 7035

Packs of	Model No.
10 pc(s).	<b>9666.660</b>



### Blanking cover

#### for NH fuse-switch-disconnector module

- For sealing unused cut-outs with NH fuse-switch disconnectors, size 00, in NH fuse-switch disconnector modules (9666.380/.390)
- Width 117 mm

**Material:**

– PVC

**Colour:**

– RAL 7035

Packs of	Model No.
1 pc(s).	<b>9666.665</b>



### Wiring bracket

For tool-free attachment to the support rail 35 x 15 mm, for cable entry at the rear of support rail modules.

**Material:**

– Polyamide

Packs of	Model No.
10 pc(s).	<b>9666.670</b>



### Depth extension frame

For extending the depth of the contact hazard protection cover. Allows unrestricted connection of NH fuse-switch disconnectors, size 00 (3-pole, 60 mm bar centre distance).

**Material:**

– Polystyrene

**Colour:**

– RAL 7035

**Supply includes:**

– Assembly parts

Size				Packs of	Model No.
Width unit		Height unit			
WU	mm	U	mm		
1	250	2	300	1 pc(s).	<b>9666.680</b>

1 WU  $\triangleq$  250 mm

1 U  $\triangleq$  150 mm

**Note:**

- NH fuse-switch disconnectors, size 00, with covers and depth extension frame cannot be used in conjunction with other equipment

# ISV distribution enclosures

## Accessories

### Cross rail

For horizontal sub-division of the support frame in the enclosure.

**Material:**

– Sheet steel

**Surface finish:**

– Zinc-plated

Width unit		Packs of	Model No.
WU	mm		
2	500	2 pc(s).	<b>9666.722</b>
3	750	2 pc(s).	<b>9666.723</b>
4	1000	2 pc(s).	<b>9666.724</b>

1 WU  $\triangleq$  250 mm



### Mounting angles

For vertical sub-division of the support frame in the enclosure.

**Material:**

– Sheet steel

**Surface finish:**

– Zinc-plated

Height unit		Packs of	Model No.
U	mm		
2	300	2 pc(s).	<b>9666.702</b>
3	450	2 pc(s).	<b>9666.703</b>
4	600	2 pc(s).	<b>9666.704</b>
5	750	2 pc(s).	<b>9666.705</b>
6	900	2 pc(s).	<b>9666.706</b>
7	1050	2 pc(s).	<b>9666.707</b>
11	1650	2 pc(s).	<b>9666.711</b>
12	1800	2 pc(s).	<b>9666.712</b>

1 U  $\triangleq$  150 mm



**Accessories:**

– Equipment support connector, see page 197

### Depth stay

**for installation kits ISV**

For attaching the installation kit in the enclosure.

**Material:**

– Sheet steel

**Surface finish:**

– Zinc-plated

For enclosure depth mm	Packs of	Model No.
400 500 600	2 pc(s).	<b>9666.732</b>



### Equipment support connector

**for mounting angles ISV**

– For connecting 2 mounting angles

– Increases the stability of the frame structure

**Material:**

– T-section: Aluminium

**Supply includes:**

– Assembly parts

Packs of	Model No.
4 pc(s).	<b>9666.740</b>





## Gland plates

The modular base assembly allows completely flexible cable entry into the VX25, adapted to your individual requirements. Essential cable clamping takes place in the base/plinth area, directly above the insertion point, or on the mounting plate.



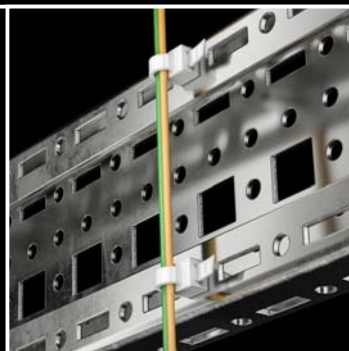
## Cable duct

In addition to the DIN punchings, the mounting holes of Rittal cable ducts also have punchings on a 25 mm pitch pattern, completely eliminating the need for any machining. Components are simply screw-fastened into the round holes. The screw heads may be securely covered with an isolator cap for insulation purposes.



## Cable clamping

Various cable clamping options are available and can be used identically both inside the enclosure and in the base/plinth. Relocating cable clamping into the base/plinth area frees up more mounting space inside the enclosure, rather than being lost to allow for bending radii.



## Cable ties

Simple, super-fast attachment of cables to all round holes on the enclosure and punched sections. Simply clip into position.



## Cable entry on surfaces

There are a number of options available, from a simple stepped collar through to a sealing frame, which also allows the insertion of preassembled cables with connectors.



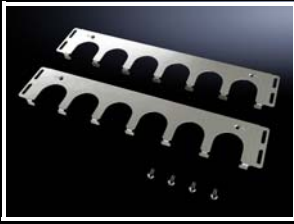
## Cable conduit and cable conduit holder

Allows crush-proof cable routing to moving parts such as doors, with minimal assembly work.



# Cable management

## Cable entry



### Cable entry plate

For

- Cable entry grommets
- Connector grommets

instead of segments from the standard divided gland plates

**Material:**

- Sheet steel

**Surface finish:**

- Zinc-plated

**Protection category IP to IEC 60 529:**

- IP 55 in conjunction with cable entry grommets or connector grommets

**Supply includes:**

- Assembly parts

Enclosure width mm	Cut-outs per plate	Packs of	Model No.
600	6	2 pc(s).	<b>8619.800</b>
800	8	2 pc(s).	<b>8619.801</b>
1000	5	4 pc(s).	<b>8619.802</b>
1200	6	4 pc(s).	<b>8619.803</b>



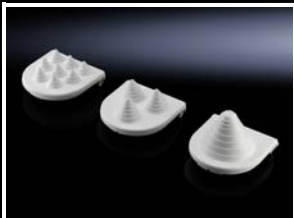
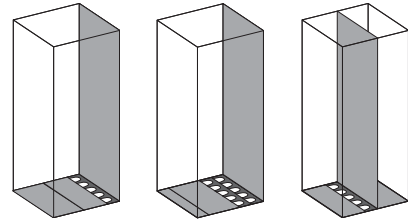
**Also required:**

- Cable entry grommet, see page 200 or
- Connector grommet, see page 200

### Three examples from a wide range of possibilities

The diagrams show three examples for positioning cable entry plates instead of segments from the three-piece gland plates supplied as standard. In this way, they can be positioned to fit the mounting plate.

Thanks to the enclosure symmetry, where dimensions permit, cable entry plates may also be inserted in the enclosure depth, right and left, analogous to the gland plates.



### Cable entry grommets

In conjunction with the cable entry plate, supports simple, fast sealing of cables inserted into the base area of enclosures.

**Material:**

- Body: Polypropylene
- Cover: Thermoplastic elastomer

**Protection category IP to IEC 60 529:**

- IP 55 if installed correctly

Cables per grommet	Max. Ø mm	Packs of	Model No.
8	13	25 pc(s).	<b>4316.000</b>
3	21	25 pc(s).	<b>4317.000</b>
1	47	25 pc(s).	<b>4318.000</b>



### Connector grommets

Suitable for cable diameters from 8 to 36 mm.

**Material:**

- Outer cover: Polypropylene covered with thermoplastic elastomer
- Seal: Cellular rubber

**Protection category IP to IEC 60 529:**

- IP 55 if installed correctly

Packs of	Model No.
10 pc(s).	<b>4311.000</b>



### Section for cable entry, centre

For top-mounting on gland plates.

**Material:**

- Extruded aluminium section
- Seal: PU foam
- Cross-section : 30 x 25 mm

**Protection category IP to IEC 60 529:**

- IP 55 if installed correctly

**Supply includes:**

- Plug-in sections, incl. foam rubber clamp strips

**Note:**

- You will need two pieces per cable entry point
- From an enclosure width of 1000 mm, the base assembly is divided into two sections in the width. Two cable entry points (left/right) may be used.

For enclosure width mm	Packs of	Model No.
600	2 pc(s).	<b>8618.800</b>
800	2 pc(s).	<b>8618.801</b>
1000	4 pc(s).	<b>8618.802</b>
1200	4 pc(s).	<b>8618.803</b>



**Accessories:**

- Cable clamp rail, see page 206



### Section for cable entry, rear

For top-mounting on the gland plate and enclosure frame.

**Material:**

- Extruded aluminium section
- Seal: PU foam
- Cross-section : 30 x 25 mm

**Protection category IP to IEC 60 529:**

- IP 55 if installed correctly

**Supply includes:**

- Plug-in sections, incl. foam rubber clamp strips

**Note:**

- You will need two pieces per cable entry point
- From an enclosure width of 1000 mm, the base assembly is divided into two sections in the width. Two cable entry points (left/right) may be used.

For enclosure width mm	Packs of	Model No.
600	2 pc(s).	<b>8618.810</b>
800	2 pc(s).	<b>8618.811</b>
1000	4 pc(s).	<b>8618.812</b>
1200	4 pc(s).	<b>8618.813</b>



**Accessories:**

- Cable clamp rail, see page 206



# Cable management

## Cable gland



### Cable gland, brass

**Benefits:**

- Because the gland and lock nut are sold together in a single pack, this saves additional ordering and storage
- Clamping membranes for even tightening and strain relief to protect the cables

**Material:**

- Brass
- Seal: CR/NBR

**Surface finish:**

- Nickel-plated

**Protection category IP to IEC 60 529:**

- IP 68 (5 bar, 30 min.)

**Approvals:**

- VDE, UR, cUR

Size	Packs of	Model No.
M12 x 1.5	15 pc(s).	<b>2411.801</b>
M16 x 1.5	15 pc(s).	<b>2411.811</b>
M20 x 1.5	10 pc(s).	<b>2411.821</b>
M25 x 1.5	10 pc(s).	<b>2411.831</b>
M32 x 1.5	5 pc(s).	<b>2411.841</b>
M40 x 1.5	4 pc(s).	<b>2411.851</b>
M50 x 1.5	2 pc(s).	<b>2411.861</b>
M63 x 1.5	1 pc(s).	<b>2411.871</b>



### Cable gland, polyamide

**Benefits:**

- Because the gland and lock nut are sold together in a single pack, this saves additional ordering and storage
- Clamping membranes for even tightening and strain relief to protect the cables

**Material:**

- Polyamide 6
- Seal: CR/NBR

**Colour:**

- RAL 7035

**Protection category IP to IEC 60 529:**

- IP 68 (5 bar, 30 min.)

**Approvals:**

- VDE, UL, cUL, CSA, CSAus

Size	Packs of	Model No.
M12 x 1.5	50 pc(s).	<b>2411.601</b>
M16 x 1.5	50 pc(s).	<b>2411.611</b>
M20 x 1.5	50 pc(s).	<b>2411.621</b>
M25 x 1.5	25 pc(s).	<b>2411.631</b>
M32 x 1.5	15 pc(s).	<b>2411.641</b>
M40 x 1.5	5 pc(s).	<b>2411.651</b>
M50 x 1.5	5 pc(s).	<b>2411.661</b>
M63 x 1.5	3 pc(s).	<b>2411.671</b>

# Cable management

## Cable gland

### Sealing frame, modular

For universal use on all surfaces and walls, for inserting pre-assembled cables with connectors. Can also be mounted onto 24-pole or 16-pole connector cut-outs.

**Material:**

- Plastic

**Colour:**

- Black

**Protection category IP to IEC 60 529:**

- IP 66

**Supply includes:**

- Sealing frame
- Locking frame

Number of small seal inserts	For cut-out mm	Model No.
10	113.5 x 46 (24-pole)	<b>2583.100</b>
8	91 x 46 (16-pole)	<b>2583.080</b>



**Also required:**

- Inlay for plastic gland plates, modular and sealing frame, modular, see page 203
- Seal inserts for cable gland plates, modular and sealing frame, modular, see page 203



### Inlay

#### for plastic gland plate, modular and sealing frame, modular

Individual inserts to subdivide the cut-outs in the modular plastic gland plate and the modular sealing frame.

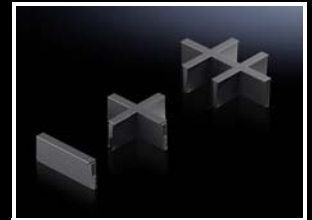
**Material:**

- Plastic

**Colour:**

- Black

Design	Packs of	Model No.
1 slot	5 pc(s).	<b>2582.100</b>
2 slots	5 pc(s).	<b>2582.200</b>
4-slots	5 pc(s).	<b>2582.400</b>
6 slots	5 pc(s).	<b>2582.600</b>



### Seal inserts

#### for plastic gland plate, modular and sealing frame, modular

In conjunction with the inlays, the seal inserts allow individual cable entry, even with preassembled cables.

**Material:**

- Plastic

**Colour:**

- RAL 7035



**Accessories:**

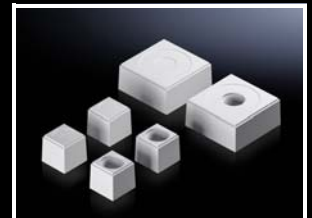
- When using as a gland plate, modular: Locking clip for seal inserts, see Catalogue 36, page 1051

#### Seal inserts, small

For cable diameter	Packs of	Model No.
Solid	10 pc(s).	<b>2580.000</b>
3 mm	10 pc(s).	<b>2580.003</b>
4 mm	10 pc(s).	<b>2580.004</b>
5 mm	10 pc(s).	<b>2580.005</b>
6 mm	10 pc(s).	<b>2580.006</b>
7 mm	10 pc(s).	<b>2580.007</b>
8 mm	10 pc(s).	<b>2580.008</b>
9 mm	10 pc(s).	<b>2580.009</b>
10 mm	10 pc(s).	<b>2580.010</b>
11 mm	10 pc(s).	<b>2580.011</b>
12 mm	10 pc(s).	<b>2580.012</b>
13 mm	10 pc(s).	<b>2580.013</b>
14 mm	10 pc(s).	<b>2580.014</b>

#### Seal inserts, large

For cable diameter	Packs of	Model No.
Solid	5 pc(s).	<b>2580.100</b>
15 mm	5 pc(s).	<b>2580.115</b>
16 mm	5 pc(s).	<b>2580.116</b>
17 mm	5 pc(s).	<b>2580.117</b>
18 mm	5 pc(s).	<b>2580.118</b>
19 mm	5 pc(s).	<b>2580.119</b>
20 mm	5 pc(s).	<b>2580.120</b>
21 mm	5 pc(s).	<b>2580.121</b>
22 mm	5 pc(s).	<b>2580.122</b>
23 mm	5 pc(s).	<b>2580.123</b>
24 mm	5 pc(s).	<b>2580.124</b>
25 mm	5 pc(s).	<b>2580.125</b>



# Cable management

## Cable gland



### Stepped collar

**for wall thicknesses from 1.5 to 4.5 mm**

For cable entry, simply cut off at the required level to match the cable diameter.

**Material:**

– Plastic to UL 94-HB

**Protection category IP to IEC 60 529:**

– IP 54 with careful cable entry

For hole	Sealing range mm	Packs of	Model No.
M20	5 – 16	100 pc(s).	<b>2899.200</b>
M25	5 – 21	50 pc(s).	<b>2899.250</b>
M32	13 – 26.5	25 pc(s).	<b>2899.320</b>
M40	13 – 34	20 pc(s).	<b>2899.400</b>

# Cable management

## Cable duct

- With special DIN punchings for direct mounting on the enclosure section or on surfaces such as mounting plates
- If the mounting plate is installed flush with the enclosure frame at the rear (installation position  $\pm 0$  mm), the horizontally mounted cable ducts are aligned with the cable ducts mounted on the enclosure section
- Cable duct 50 mm wide for individually sited VX25 enclosures with side panel on the vertical section, on the left and right adjacent to the mounting plate
- Cable duct 100 mm for mounting on the vertical enclosure frame with bayed enclosures

### Technical specifications:

- Depth: 80 mm
- Length: 2000 mm, may be cut to length
- Bar width: 5.5 mm
- Slot width: 4.5 mm

### Material:

- Hard PVC
- Flame-resistant, self-extinguishing
- Temperature resistant to  $+60$  °C

Width (B) mm	Packs of	Model No.
30	24 pc(s).	<b>8800.750</b>
40	20 pc(s).	<b>8800.751</b>
50	18 pc(s).	<b>8800.755</b>
60	18 pc(s).	<b>8800.752</b>
80	12 pc(s).	<b>8800.753</b>
100	12 pc(s).	<b>8800.754</b>

### Colour:

- Similar to RAL 7030



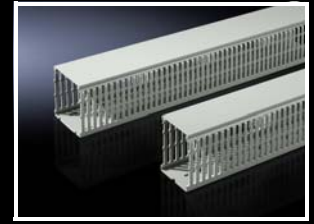
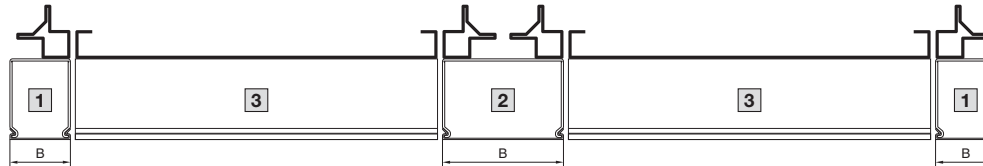
### Accessories:

- Metal multi-tooth screw 5.5 x 13 mm, see page 174
- Isolator cap, see page 205

**1** = W 50 mm

**2** = W 100 mm

**3** = W 30 to 100 mm



## Isolator cap

### for screw head

To isolate screw heads within the cable duct.

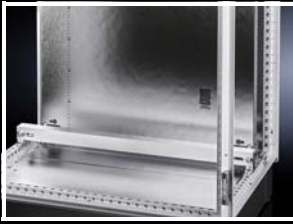
### Material:

- Plastic

Packs of	Model No.
100 pc(s).	<b>8800.770</b>



# Cable management



## Cable clamp rail

### Right angle section

For strain relief with cable entry. Depth-variable mounting on a 25 mm pitch pattern on the horizontal enclosure section or in the base/plinth.

#### Material:

- Steel

#### Surface finish:

- Zinc-plated

#### Supply includes:

- Assembly parts

Enclosure width mm	Packs of	Model No.
400	2 pc(s).	<b>8619.400</b>
600	2 pc(s).	<b>8619.410</b>
800	2 pc(s).	<b>8619.420</b>
1000	2 pc(s).	<b>8619.430</b>
1200	2 pc(s).	<b>8619.440</b>
1600	2 pc(s).	<b>8619.450</b>
1800	2 pc(s).	<b>8619.460</b>



#### Accessories:

- Base/plinth installation bracket, see page 95



## Cable clamp

### for cable clamp rails

For fastening the cables to the cable clamp rails.

#### Material:

- Sheet steel

#### Surface finish:

- Zinc-plated

#### Supply includes:

- Plastic insert

For cable diameter mm	Packs of	Model No.
6 – 12	25 pc(s).	<b>2350.000</b>
12 – 16	25 pc(s).	<b>2351.000</b>
14 – 18	25 pc(s).	<b>2352.000</b>
18 – 22	25 pc(s).	<b>2353.000</b>
22 – 26	25 pc(s).	<b>2354.000</b>
26 – 30	25 pc(s).	<b>2355.000</b>
30 – 34	25 pc(s).	<b>2356.000</b>
34 – 38	25 pc(s).	<b>2357.000</b>
38 – 42	25 pc(s).	<b>2358.000</b>
42 – 46	25 pc(s).	<b>2359.000</b>
46 – 50	25 pc(s).	<b>2360.000</b>



#### Possible alternative:

- Rail for EMC shielding bracket and strain relief, see page 184



## Cable clamp rail

### C-section, for mounting plates

For strain relief with cable entry. The length of the cable clamp rail is tailored to the width of the mounting plate. The mounting bracket included with the supply supports three different installation situations on the mounting plate:

- 1 Straight, at a distance of 23 mm from the mounting plate
- 2 Straight, at a distance of 10 mm from the mounting plate
- 3 Tilted towards the mounting plate

#### Material:

- Sheet steel

#### Surface finish:

- Zinc-plated

#### Supply includes:

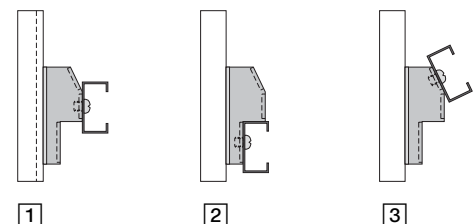
- Two mounting brackets and assembly screws

For enclosure width mm	Length mm	Packs of	Model No.
600	499	1 pc(s).	<b>5001.080</b>
800	699	1 pc(s).	<b>5001.081</b>
1000	899	1 pc(s).	<b>5001.082</b>
1200	1099	1 pc(s).	<b>5001.083</b>



#### Accessories:

- Cable clamps for C rails, see page 207



# Cable management

## Cable clamp

### for C rail

For attaching cables to the C rail.

#### Material:

– Sheet steel

#### Surface finish:

– Zinc-plated

#### Supply includes:

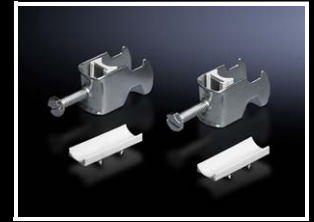
– Plastic insert

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 169



## 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>



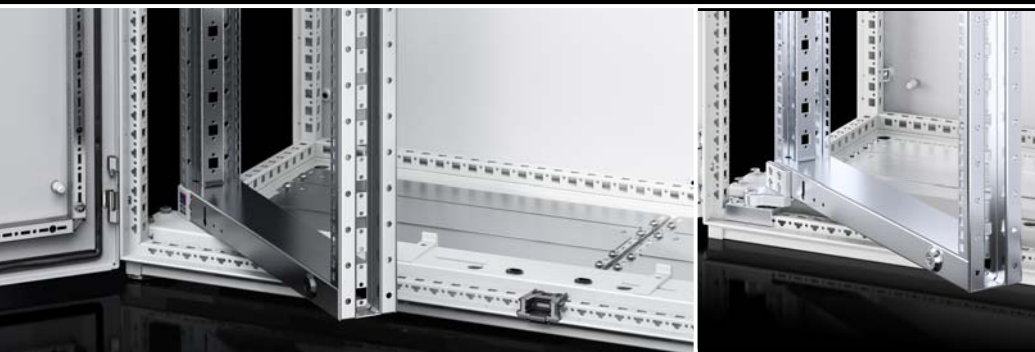
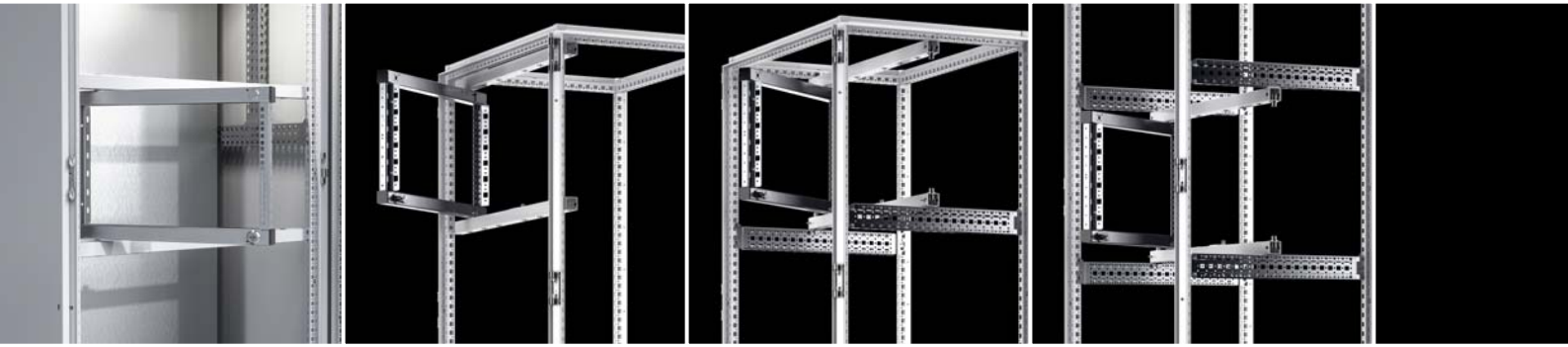
## Cable tie

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>



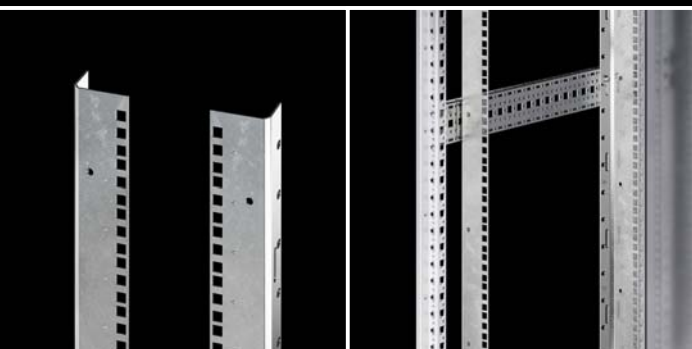
# 482.6 mm (19") installation system



**Swing frame, large**  
The swing frame, large, supports full or partial installation for 482.6 mm (19") components. It is fully depth-adjustable within the 25 mm pitch pattern, and hinged on the left or right. Two swing frames may also be fitted together in 1200 mm wide enclosures. An opening angle of 180° is also supported with a special hinge.



**Swing frame stay**  
With the swing frame stay, even enclosures with heavy installed equipment can be held securely in position during maintenance work. The stay can be fitted at the top or bottom of the enclosure.



**Adaptor section, 482.6 mm (19")**  
Turns any 600 mm wide VX25 into an electronic enclosure. The 482.6 mm (19") sections may be attached directly to the enclosure section or adjusted in the depth on a 25 mm pitch pattern on punched sections with mounting flanges. The sections may be shortened to any length for partial installation.



## 482.6 mm (19") installation system

### Swing frame, small

The swing frame, small, is the ideal solution for partial installation with 482.6 mm (19") components. It can be positioned anywhere you like in the height and depth of the enclosure within the 25 mm pitch pattern, and is fitted in a flash.

### Fastener

The 482.6 mm (19") fastener allows you to create attachment facilities for 482.6 mm (19") components in next to no time, without the need for time-consuming installation of individual cage nuts. Components are simply snap-mounted onto the 482.6 mm (19") mounting angle.



# 482.6 mm (19") installation system

## Swing frame



### Swing frame, small

for 600 and 800 mm wide enclosures

For mounting 482.6 mm (19") equipment.

#### Material:

– Sheet steel

#### Surface finish:

– Zinc-plated

#### Supply includes:

– Cam with double-bit lock insert, 2 x 130° hinge and parts for attaching to the installation kit

#### Note:

– The swing frame stay 8619.270 is required to lock the open swing frame, see page 212



#### Accessories:

– 482.6 mm (19") fastener, 1 U, see page 214

Installation	Front, top/bottom	Set back, top/bottom	Set back/front, centre
U	Packs of	<b>Model No.</b>	
3	1 pc(s).	<b>8619.500</b>	
6	1 pc(s).	<b>8619.510</b>	
9	1 pc(s).	<b>8619.520</b>	
12	1 pc(s).	<b>8619.530</b>	
15	1 pc(s).	<b>8619.540</b>	
18	1 pc(s).	<b>8619.550</b>	

#### Also required:

[1] Installation kit	1 pc(s).	For enclosure width		Page
		600	800	
		8619.600	8619.610	210
[2] Punched section with mounting flange 23 x 64 mm, 2 or 4 pc(s) required	For enclosure depth mm			
	400	4 pc(s).	8617.110	166
	500	4 pc(s).	8617.120	166
	600	4 pc(s).	8617.130	166
	800	4 pc(s).	8617.140	166



### Installation kit

for swing frame, small, and partial mounting plate

- For mounting the swing frame, small or a partial mounting plate (in conjunction with a hinge for partial mounting plates)
- Directly on the enclosure section in the foremost position
- In conjunction with punched section with mounting flange 23 x 64 mm, offset in the depth

#### Load capacity:

– Up to 1500 N

#### Material:

– Sheet steel

#### Surface finish:

– Nickel-plated

#### Supply includes:

– Assembly parts

For enclosure width mm	Packs of	<b>Model No.</b>
600	1 pc(s).	<b>8619.600</b>
800	1 pc(s).	<b>8619.610</b>

# 482.6 mm (19") installation system

## Swing frame

### Swing frame, large

for 600, 800 and 1200 mm wide enclosures

For mounting 482.6 mm (19") equipment.

#### Material:

– Sheet steel

#### Surface finish:

– Frame: Zinc-plated  
– Trim panels: Spray finished

#### Colour:

– Trim panels: RAL 7035

#### Supply includes:

– Lock system, 130° hinge and parts for attaching to the installation kit

#### Note:

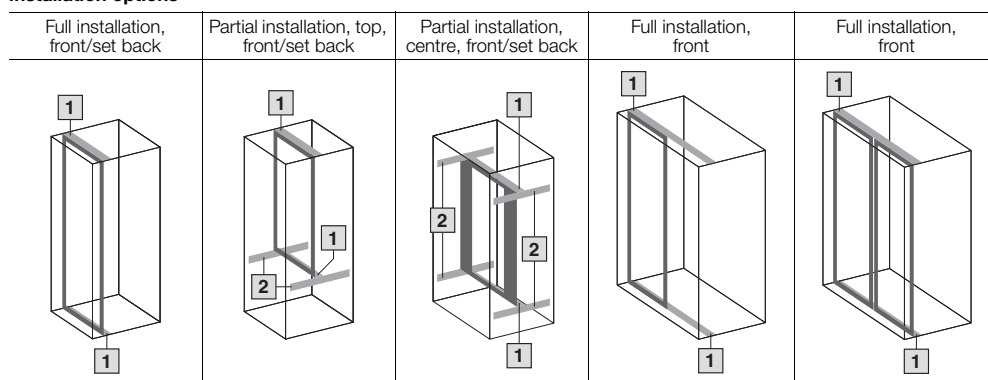
– The swing frame stay is required to lock the open swing frame, see page 212



#### Accessories:

– 482.6 mm (19") fastener, 1 U, see page 214

#### Installation options



Trim panel			Without	One side	Both sides	Page
For enclosure width mm			600	800	800	
U	For min. enclosure height mm	Packs of	Model No.			
22	1200	1 pc(s).	<b>8619.010</b>	<b>8619.020</b>	<b>8619.030</b>	
31	1600	1 pc(s).	<b>8619.011</b>	<b>8619.021</b>	–	
35	1800	1 pc(s).	<b>8619.012</b>	<b>8619.022</b>	<b>8619.032</b>	
40	2000	1 pc(s).	<b>8619.013</b>	<b>8619.023</b>	<b>8619.033</b>	
44	2200	1 pc(s).	<b>8619.014</b>	<b>8619.024</b>	<b>8619.034</b>	
Lock system		Cam lock		–	–	
		Locking rod	–			

#### Also required:

[1] Installation kit		For enclosure width mm	Packs of			
		600	1 pc(s).	8619.040	–	212
		800	1 pc(s).	8619.041	8619.041	212
		1200	1 pc(s).	8619.042	8619.042	212
[2] Punched section with mounting flange 23 x 64 mm, 2 or 4 pc(s). required		Installation in enclosure depth mm	Packs of			
		400	4 pc(s).	8617.110	8617.110	166
		500	4 pc(s).	8617.120	8617.120	166
		600	4 pc(s).	8617.130	8617.130	166
		800	4 pc(s).	8617.140	8617.140	166

#### Accessories

Comfort handle AX			–	see page	see page	133
Lock inserts	Type A		–	see page	see page	133
180° hinge <sup>1)</sup>		1 pc(s).	8619.051	8619.051	8619.051	212

<sup>1)</sup> Only in conjunction with 800 mm wide installation kit



# 482.6 mm (19") installation system

## Swing frame



### Installation kit

#### for swing frame, large

For mounting:

- Directly on the enclosure section when installed across the entire enclosure height
- In conjunction with punched section with mounting flange 23 x 64 mm, for partial installation in the enclosure height

#### Material:

- Sheet steel, 3 mm

#### Surface finish:

- Spray-finished

#### Colour:

- RAL 7035

#### Supply includes:

- Assembly parts

For enclosure width mm	Load capacity N	Packs of	Model No.
600	3500	1 pc(s).	<b>8619.040</b>
800	3500	1 pc(s).	<b>8619.041</b>
1200	1500	1 pc(s).	<b>8619.042</b>



### Swing frame stay

Secures the swing frame in the open position.

For mounting on swing frame, large:

- 8619.270 at the top of the enclosure
- 1980.200 at the bottom of the enclosure (with safety stop at 160°)

	Packs of	Model No.
For 130° hinge	1 pc(s).	<b>8619.270</b>
For 180° hinge	1 pc(s).	<b>1980.200</b>



For mounting on swing frame, small:

- 8619.270, may be mounted at the top on the installation kit



### 180° hinge

#### for swing frame, large

- To extend the opening angle from 130° to 180° in the foremost installation position
- Provides optimum access to the components and 482.6 mm (19") components located behind the swing frame

#### Load capacity:

- Up to 1500 N

#### Material:

- Die-cast

Packs of	Model No.
1 pc(s).	<b>8619.051</b>



### Slide rail

#### for swing frames

To support heavy slide-in 482.6 mm (19") electronic equipment in the swing frame.

#### Material:

- Sheet steel

#### Surface finish:

- Zinc-plated

For slide-in equipment with max. installation depth	Packs of	Model No.
< 190 mm	10 pc(s).	<b>1962.200</b>
> 190 mm	10 pc(s).	<b>1963.200</b>

# 482.6 mm (19") installation system

## Mounting angles

### Adaptor section, 482.6 mm (19")

For mounting electronic components, subracks and other 482.6 mm (19") equipment. Adaptor sections are easily shortened for partial assemblies.

#### Material:

- Sheet steel, 2 mm

#### Supply includes:

- Assembly parts

#### Note:

- The 482.6 mm (19") measurement is obtained when mounting on the frame for 600 mm wide enclosures
- Depth-offset installation in 600 mm wide enclosures is possible using punched sections with mounting flanges, 18 x 64 mm

For enclosure height mm	U	Packs of	Model No.
1600	33	2 pc(s).	<b>8619.300<sup>1)</sup></b>
1800	38	2 pc(s).	<b>8619.310</b>
2000	42	2 pc(s).	<b>8619.320<sup>1)</sup></b>

<sup>1)</sup> For the rear of electronic enclosures, see page 68



#### Accessories:

- 482.6 mm (19") fastener, 1 U, see page 214
- Slide rail VX for adaptor section 482.6 mm (19") with attachment on one side, see page 214
- Slide rail VX for adaptor section 482.6 mm (19") with attachment on both sides, see page 214
- Punched section with mounting flange, 18 x 64 mm, see page 166
- Multi-tooth screws, see page 174
- Metal multi tooth screws, see page 174
- Self-tapping screws, see page 174

## Installation examples for VX

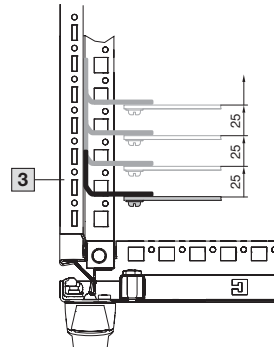
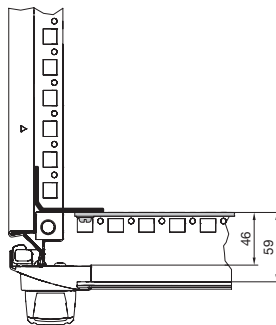
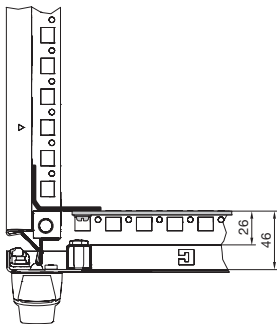
### Foremost installation position

In conjunction with sheet steel door

In conjunction with glazed door

### Offset installation position

May be depth-mounted on a 25 mm pitch pattern on punched sections with mounting flanges



### Adaptor piece, 482.6 mm (19")

The 1 U sub-section of adaptor sections. For the installation of subracks and other 482.6 mm (19") equipment.

#### Material:

- Sheet steel, 2 mm

#### Supply includes:

- Assembly parts

#### Note:

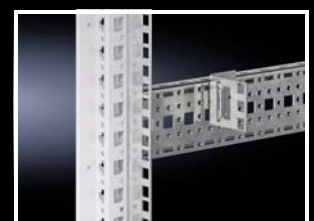
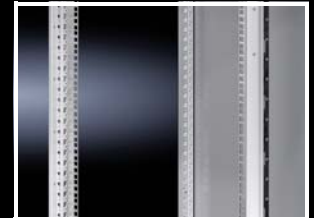
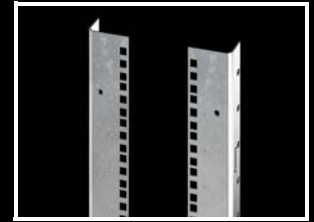
- The 482.6 mm (19") measurement is obtained when mounting on the frame for 600 mm wide enclosures
- Depth-offset installation in 600 mm wide enclosures is possible using punched sections with mounting flanges, 18 x 64 mm

U	Packs of	Model No.
1	4 pc(s).	<b>8619.330</b>



#### Accessories:

- 482.6 mm (19") fastener, 1 U, see page 214
- Punched section with mounting flange, 18 x 64 mm, see page 166
- Multi-tooth screws, see page 174
- Metal multi tooth screws, see page 174
- Self-tapping screws, see page 174



# 482.6 mm (19") installation system

## Mounting angles



### Slide rail VX

#### for adaptor section 482.6 mm (19") with attachment on both sides

Mounting between the 482.6 mm (19") front and rear adaptor sections or 482.6 mm (19") adaptor pieces.

**Material:**

- Sheet steel

**Surface finish:**

- Zinc-plated

**Supply includes:**

- Assembly parts

For enclosure depth mm	Packs of	Model No.
500	10 pc(s).	<b>8613.151</b>
600	10 pc(s).	<b>8613.161</b>
800	10 pc(s).	<b>8613.181</b>



### Slide rail VX

#### for adaptor section 482.6 mm (19") with attachment on one side

Mounting on the adaptor section, 482.6 mm (19").

**Material:**

- Sheet steel

**Surface finish:**

- Zinc-plated

**Supply includes:**

- Assembly parts

Length mm	Packs of	Model No.
270	10 pc(s).	<b>4531.001</b>



### 482.6 mm (19") fastener, 1 U with contact

For simple screw connection of installation components within the 482.6 mm (19") mounting level. Simply slide onto the mounting angle from the inside and lock home.

**Benefits:**

- Fast positioning and installation instead of using individual cage nuts
- Integral contacting for potential equalisation
- Preconfigured 1 U support with 3 cage nuts, including centre attachment to standard EIA 310
- Supports multiple dismantling and reuse

**Material:**

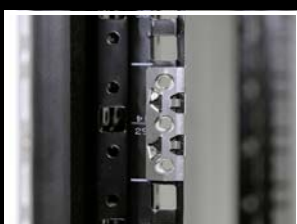
- Sheet steel, zinc-plated

Thread	Packs of	Model No.
M5	24 pc(s).	<b>2090.000</b>



**Also required:**

- Multi-tooth screws 7094.130, see page 214



### Multi-tooth screw

#### M5 x 16 mm

For optimum transmission of torques, an extended tool life, and enhanced safety and reliability when tightening and loosening screw connections.

**Supply includes:**

- 50 plastic washers
- 50 assembly screws

	Bit size	Packs of	Model No.
M5	Multi-tooth 25	50 pc(s).	<b>7094.130</b>

## The 3-phase coating procedure

Coating procedure	Technical properties	Technical specifications	
Degreasing, nanoceramic pretreatment, rinsing	Used as corrosion protection and to improve paint adhesion.	Nanoceramic conversion layer	
Interior/exterior: Anodic dipcoat priming	Even layer formation on all surfaces, edges and in cavities, which produces a high level of corrosion protection even at the assembly stage.  The primer is readily overpainted and free from heavy metals, chromate and silicone.	Erichsen cupping test to DIN EN ISO 1520	≥ 4 mm
		Buchholz hardness to DIN EN ISO 2815	≥ 80
		Cross cutting to DIN EN ISO 2409	Gt 0
Stove enamelling			
Exterior: Textured powder coating	Powder-coating is distinguished by a high level of mechanical resistance, excellent corrosion protection, good resistance to chemicals and temperature, and its facility for decontamination.  The powder coating is readily overpainted and is free from heavy metals, chromate and silicone.	Erichsen cupping test to DIN EN ISO 1520	≥ 3.5 mm
		Buchholz hardness to DIN EN ISO 2815	≥ 80
		Cross cutting to DIN EN ISO 2409	Gt 0
		Salt spray test to DIN EN ISO 9227 NSS	Test period: 168 hours
		Condensate test to DIN EN ISO 6270-2 CH	Test period: 500 hours
		Condensate test to DIN EN ISO 6270-2 AHT	Test period: 20 cycles
Stove enamelling			

The coating is resistant to:

- Mineral oils
- Lubricants
- Machine emulsions
- Alcohol-based solvents (briefly, e.g. during cleaning)
- Weak acids and alkalines

## Primer or powder coating suitable for overpainting

After careful cleaning of the surface, the standard coating may be overpainted with

- DD gloss paints
- Single and dual-component gloss paints
- Car repair paints
- Powder paints
- Water-based paints

If in doubt, perform a compatibility test. Always follow the paint manufacturer's instructions. When overpainting, take care not to exceed 180 °C and a baking time of 15 minutes.

## Outdoor use of enclosures

In order to guarantee satisfactory long-term function of enclosures in outdoor use, the relevant environmental factors must be taken into account.

These include:

- UV radiation, the corrosive action of air pollution, rain, icing, snow, wind or other factors in special climatic conditions.

### Condensation inside the enclosure

Condensation must be prevented by means of appropriate measures, e.g. by venting or heating the enclosure.

### Protection category

The enclosure may be exposed to extreme weather conditions during outdoor use. Long periods of rain, snow, ice, high winds and temperature fluctuations place particularly high demands on the enclosure sealing. The protection category IP X3 as envisaged for external weather conditions in DIN VDE 0100, part 737, point 5.2 is often insufficient to provide permanent protection for electrical equipment.

## Protection categories to IEC 60 529 (EN 60 529)

The IP protection category is characterised by 2 numerals.

Example of a protection category, e.g. IP 43:

Code letters	
IP	
First numeral	Second numeral
4	3

Degrees of protection for protection against contact and foreign bodies: First numeral			Degrees of protection for protection against water: Second numeral		
First numeral	Degree of protection		Second numeral	Degree of protection	
	Designation	Explanation		Designation	Explanation
1	Protected against solid foreign objects with a diameter of 50 mm and greater	The object probe, a sphere 50 mm in diameter, must not penetrate fully. <sup>1)</sup>	1	Protected against vertically falling water drops	Vertically falling drops shall have no harmful effects.
2	Protected against solid foreign objects with a diameter of 12.5 mm and greater	The object probe, a sphere 12.5 mm in diameter, must not penetrate fully. <sup>1)</sup> The articulated test finger may penetrate up to its length of 80 mm, but adequate distance from hazardous parts must be adhered to.	2	Protected against vertically falling water drops when the enclosure is tilted up to 15°	Vertically falling drops shall not have any harmful effects when the enclosure is tilted up to 15° on either side of the vertical.
3	Protected against solid foreign objects with a diameter of 2.5 mm and greater	The object probe, a sphere 2.5 mm in diameter, must not penetrate at all <sup>1)</sup> .	3	Protected against sprayed water	Water sprayed at an angle of up to 60° on either side of the vertical shall have no harmful effects.
4	Protected against solid foreign objects with a diameter of 1.0 mm and greater	The object probe, a sphere 1.0 mm in diameter, must not penetrate at all <sup>1)</sup> .	4	Protected against splashed water	Water splashed on the enclosure from any direction shall have no harmful effects.
5	Dust-protected	The ingress of dust is not fully prevented, but dust shall not enter to such an extent as to impair satisfactory operation of the device or safety.	5	Protected against water jets	Water directed at the enclosure from any direction in a jet shall have no harmful effects.
6	Dust-tight	No ingress of dust at a partial vacuum of 20 mbar inside the enclosure.	6	Protected against powerful water jets	Water directed at the enclosure from every direction in a powerful jet shall have no harmful effects.
			7	Protected against temporary immersion in water	Water must not ingress to such an extent as to cause harmful effects when the enclosure is temporarily immersed in water under standardised pressure and time conditions.
			8	Protected against continuous immersion in water	Ingress of water in quantities causing harmful effects shall not be possible when the enclosure is continuously immersed in water under conditions to be agreed between the manufacturer and the user. However, the conditions must be more difficult than for numeral 7.
			9	Protected against high-pressure and high-temperature water jets	Water projected at high pressure and high temperature against the enclosure from any direction shall not have harmful effects.

<sup>1)</sup> The full diameter of the object probe must not pass through an opening of the enclosure.



## NEMA

The **N**ational **E**lectrical **M**anufacturers **A**ssociation (NEMA) is a standards organisation in Washington, USA, which publishes a number of technical standards but does not test or certify products itself.

The following NEMA classification outlines the protection of individuals from accidental contact with equipment and the protection of an enclosure from external factors.

Further information on protection categories may be found on the Internet at: [www.rittal.com](http://www.rittal.com)

UL/NEMA Type	Intended use and description
1	Enclosures for use predominantly indoors Protection against the penetration of foreign bodies
3	Enclosures for use predominantly outdoors Protection from rain, hail, dust, icing and the damage caused by icing
3R	Enclosures for use predominantly outdoors Protection from rain, hail, icing and the damage caused by icing
3S	Enclosures for use predominantly outdoors Protection from rain, hail and dust External mechanisms remain usable despite being coated in ice
4	Enclosures for indoor or outdoor use Protection against rain, foreign bodies, splashed water and hosed water and against damage caused by icing on the exterior of the enclosure
4X	Enclosures for indoor or outdoor use Protection against rain, foreign bodies, splashed water and hosed water and against damage caused by icing on the exterior of the enclosure Increased protection from corrosion
12, 12K	Enclosures for use predominantly indoors Protection against dust deposits, foreign bodies and non-corrosive dripping liquids
13	Enclosures for use predominantly indoors Protection against dust deposits, sprayed water, oil, and non-corrosive refrigerants

The UL/NEMA classifications are not directly comparable with IP protection categories, since both the test conditions and the evaluation of the test results are different

## Approvals and permits

Product certifications and approvals are pivotal to the global acceptance of industrial products.

Rittal products meet the highest internationally recognised quality yardsticks. All components are subjected to the most stringent testing in accordance with international standards and regulations.

The consistently high product quality is ensured by a comprehensive quality management system. Regular production inspections by external test institutes also guarantee compliance with global standards.

A precise allocation of products to marks of conformity can be found on our product and service pages on the Internet at [www.rittal.com](http://www.rittal.com)

## PE conductor connection

The PE conductor connection must be designed by the manufacturer of switchgear in accordance with the relevant VDE and/or local regulations.

The enclosure packs generally contain earthing materials (screws, nuts, washers). The assembly instructions contain recommendations on installing a PE conductor.

The pre-assembled earth straps, available as accessories in various cross-sections and lengths, are intended to make assembly of a PE conductor easier.

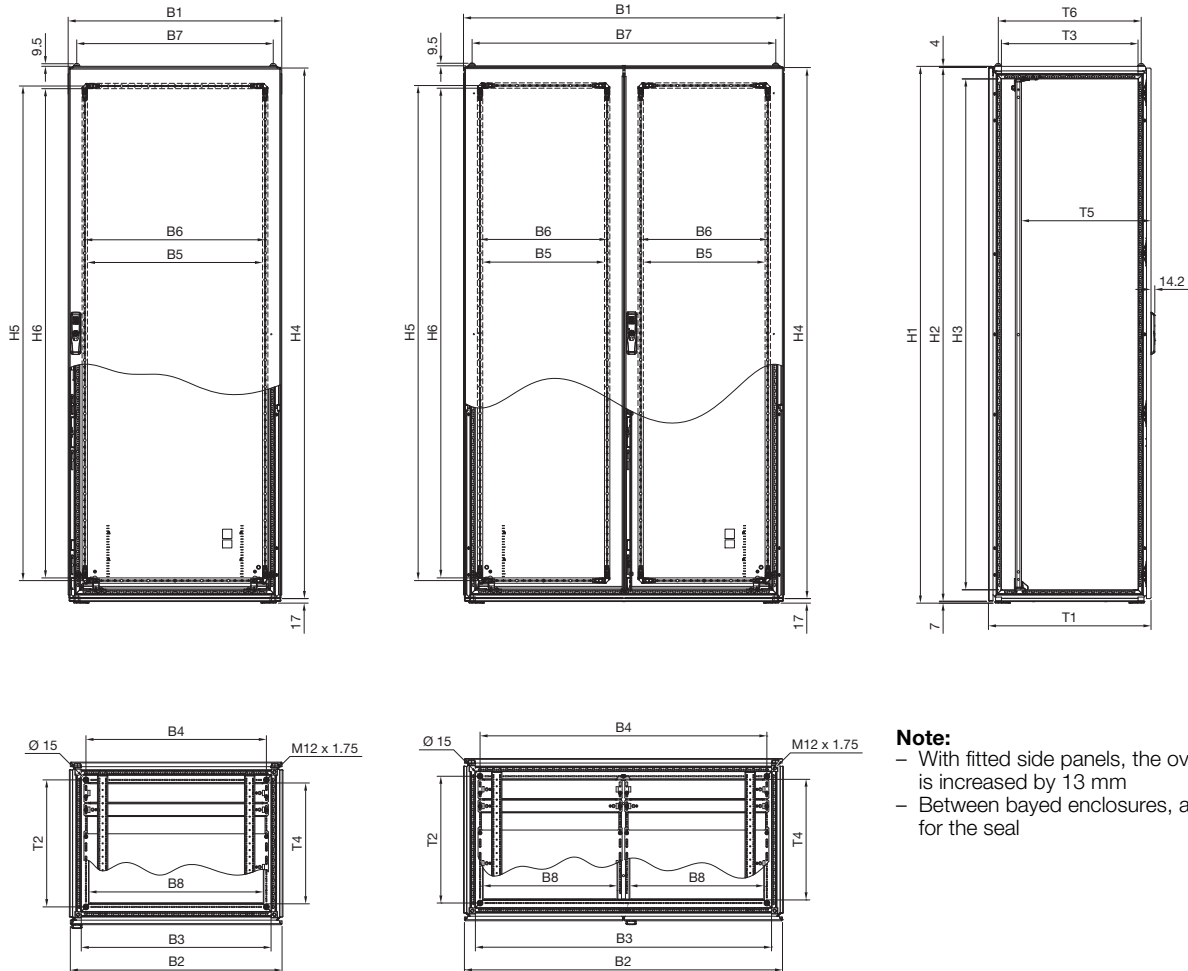
Further information can be found in our technical documentation "PE conductor connection, current carrying capacity".

# Baying enclosure system VX25

## Technical details

### Basic enclosure

Sheet steel, stainless steel



**Note:**

- With fitted side panels, the overall width (B1) is increased by 13 mm
- Between bayed enclosures, allow 1 mm for the seal

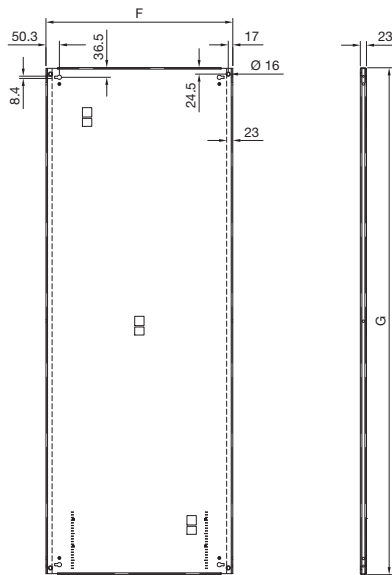
### Two-door

Model No.		Width dimensions mm								Height dimensions mm						Depth dimensions mm						Mounting plate	
Spray-finished	Stainless steel	B1	B2	B3	B4	B5	B6	B7	B8	H1	H2	H3	H4	H5	H6	T1	T2	T3	T4	T5	T6	F	G
8004.000	-	999	992	911	875	355	375	935	402	2008	1997	1911	1985	1850	1830	408	275	311	252	132 - 357	335	899	1896
8005.000	-	999	992	911	875	355	375	935	402	2008	1997	1911	1985	1850	1830	508	375	411	352	132 - 457	435	899	1896
8006.000	-	999	992	911	875	355	375	935	402	2008	1997	1911	1985	1850	1830	608	475	511	452	132 - 557	535	899	1896
8080.000	-	999	992	911	875	355	375	935	402	1808	1797	1711	1785	1650	1630	408	275	311	252	132 - 357	335	899	1696
8204.000	-	1199	1192	1111	1075	455	475	1135	502	2008	1997	1911	1985	1850	1830	408	275	311	252	132 - 357	335	1099	1896
8205.000	-	1199	1192	1111	1075	455	475	1135	502	2008	1997	1911	1985	1850	1830	508	375	411	352	132 - 457	435	1099	1896
8206.000	8451.000	1199	1192	1111	1075	455	475	1135	502	2008	1997	1911	1985	1850	1830	608	475	511	452	132 - 557	535	1099	1896
8208.000	-	1199	1192	1111	1075	455	475	1135	502	2008	1997	1911	1985	1850	1830	808	675	711	652	132 - 757	735	1099	1896
8215.000	-	1199	1192	1111	1075	455	475	1135	502	1208	1197	1111	1185	1050	1030	508	375	411	352	132 - 457	435	1099	1096
8226.000	-	1199	1192	1111	1075	455	475	1135	502	2208	2197	2111	2185	2050	2030	608	475	511	452	132 - 557	535	1099	2096
8245.000	-	1199	1192	1111	1075	455	475	1135	502	1408	1397	1311	1385	1250	1230	508	375	411	352	132 - 457	435	1099	1296
8265.000	-	1199	1192	1111	1075	455	475	1135	502	1608	1597	1511	1585	1450	1430	508	375	411	352	132 - 457	435	1099	1496
8284.000	8456.000	1199	1192	1111	1075	455	475	1135	502	1808	1797	1711	1785	1650	1630	408	275	311	252	132 - 357	335	1099	1696
8285.000	8453.000	1199	1192	1111	1075	455	475	1135	502	1808	1797	1711	1785	1650	1630	508	375	411	352	132 - 457	435	1099	1696
8286.000	-	1199	1192	1111	1075	455	475	1135	502	1808	1797	1711	1785	1650	1630	608	475	511	452	132 - 557	535	1099	1696
8880.000	-	799	792	711	675	255	275	735	652	1808	1797	1711	1785	1650	1630	508	375	411	352	132 - 457	435	699	1696
8881.000	-	799	792	711	675	255	275	735	652	1808	1797	1711	1785	1650	1630	608	475	511	452	132 - 557	535	699	1696

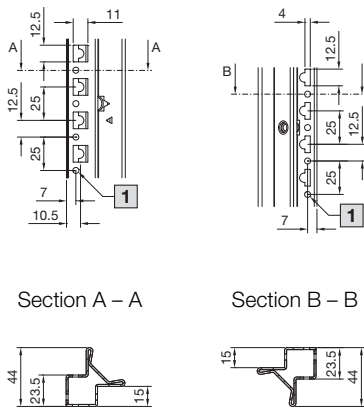
### Basic enclosure

Sheet steel, stainless steel

Mounting plate



Section



### Enclosure

- B1 = Overall width
- B2 = Width of door
- B3 = Clearance of enclosure frame
- B4 = Hole distance, base/plinth attachment
- B5 = Clearance of tubular door frame
- B6 = Distance between axes of the tubular door frame rows of holes
- B7 = Roof attachment spacing
- B8 = Clearance opening, base
- H1 = Overall height
- H2 = Height of rear panel
- H3 = Clearance of enclosure frame
- H4 = Height of door
- H5 = Distance between axes of the tubular door frame rows of holes
- H6 = Clearance of tubular door frame
- T1 = Overall depth
- T2 = Hole distance, base/plinth attachment
- T3 = Clearance of enclosure frame
- T4 = Clearance opening, base
- T5 = Possible mounting depth (mounting plate assembly), depth-adjustable on a 25 mm pattern
- T6 = Roof attachment spacing

### Mounting plate

- F = Overall width
- G = Overall height

1 Ø 4.5 mm for sheet steel, spray-finished  
4.7 mm for stainless steel

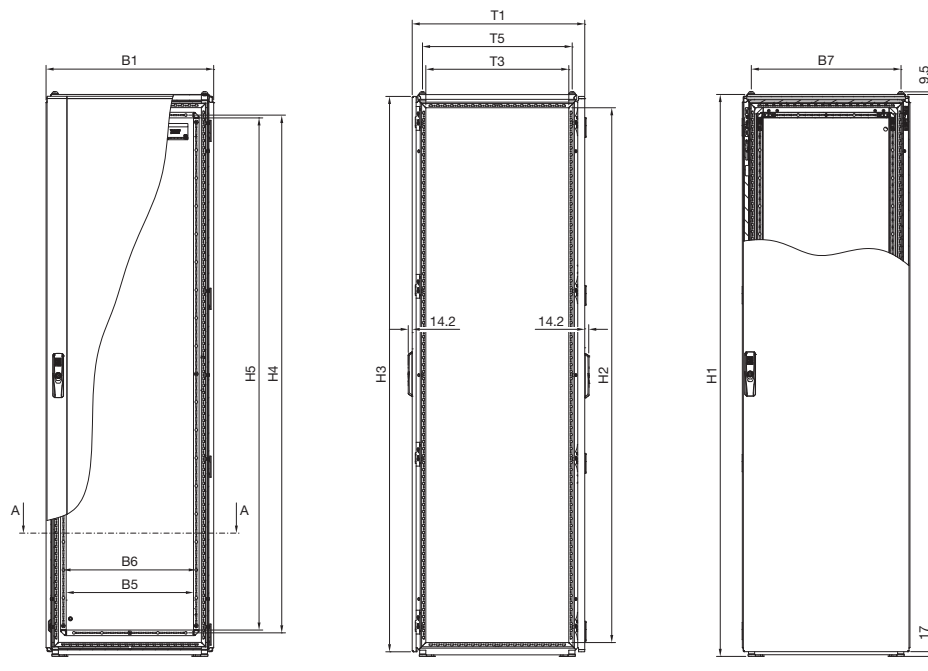
### Single-door

Model No.		Width dimensions mm								Height dimensions mm						Depth dimensions mm						Mounting plate	
Spray-finished	Stainless steel	B1	B2	B3	B4	B5	B6	B7	B8	H1	H2	H3	H4	H5	H6	T1	T2	T3	T4	T5	T6	F	G
8084.000	-	999	992	911	875	855	875	935	402	1808	1797	1711	1785	1650	1630	408	275	311	252	132 - 357	335	899	1696
8405.000	-	399	392	311	275	255	275	335	252	2008	1997	1911	1985	1850	1830	508	375	411	352	132 - 457	435	299	1896
8406.000	-	399	392	311	275	255	275	335	252	2008	1997	1911	1985	1850	1830	608	475	511	452	132 - 557	535	299	1896
8485.000	-	399	392	311	275	255	275	335	252	1808	1797	1711	1785	1650	1630	508	375	411	352	132 - 457	435	299	1696
8486.000	-	399	392	311	275	255	275	335	252	1808	1797	1711	1785	1650	1630	608	475	511	452	132 - 557	535	299	1696
8604.000	-	599	592	511	475	455	475	535	452	2008	1997	1911	1985	1850	1830	408	275	311	252	132 - 357	335	499	1896
8605.000	-	599	592	511	475	455	475	535	452	2008	1997	1911	1985	1850	1830	508	375	411	352	132 - 457	435	499	1896
8606.000	8452.000	599	592	511	475	455	475	535	452	2008	1997	1911	1985	1850	1830	608	475	511	452	132 - 557	535	499	1896
8608.000	-	599	592	511	475	455	475	535	452	2008	1997	1911	1985	1850	1830	808	675	711	652	132 - 757	735	499	1896
8615.000	-	599	592	511	475	455	475	535	452	1208	1197	1111	1185	1050	1030	508	375	411	352	132 - 457	435	499	1096
8626.000	-	599	592	511	475	455	475	535	452	2208	2197	2111	2185	2050	2030	608	475	511	452	132 - 557	535	499	2096
8645.000	-	599	592	511	475	455	475	535	452	1408	1397	1311	1385	1250	1230	508	375	411	352	132 - 457	435	499	1296
8665.000	-	599	592	511	475	455	475	535	452	1608	1597	1511	1585	1450	1430	508	375	411	352	132 - 457	435	499	1496
8684.000	-	599	592	511	475	455	475	535	452	1808	1797	1711	1785	1650	1630	408	275	311	252	132 - 357	335	499	1696
8685.000	8457.000	599	592	511	475	455	475	535	452	1808	1797	1711	1785	1650	1630	508	375	411	352	132 - 457	435	499	1696
8686.000	-	599	592	511	475	455	475	535	452	1808	1797	1711	1785	1650	1630	608	475	511	452	132 - 557	535	499	1696
8804.000	-	799	792	711	675	655	675	735	652	2008	1997	1911	1985	1850	1830	408	275	311	252	132 - 357	335	699	1896
8805.000	-	799	792	711	675	655	675	735	652	2008	1997	1911	1985	1850	1830	508	375	411	352	132 - 457	435	699	1896
8806.000	8450.000	799	792	711	675	655	675	735	652	2008	1997	1911	1985	1850	1830	608	475	511	452	132 - 557	535	699	1896
8808.000	-	799	792	711	675	655	675	735	652	2008	1997	1911	1985	1850	1830	808	675	711	652	132 - 757	735	699	1896
8815.000	-	799	792	711	675	655	675	735	652	1208	1197	1111	1185	1050	1030	508	375	411	352	132 - 457	435	699	1096
8826.000	-	799	792	711	675	655	675	735	652	2208	2197	2111	2185	2050	2030	608	475	511	452	132 - 557	535	699	2096
8845.000	-	799	792	711	675	655	675	735	652	1408	1397	1311	1385	1250	1230	508	375	411	352	132 - 457	435	699	1296
8865.000	-	799	792	711	675	655	675	735	652	1608	1597	1511	1585	1450	1430	508	375	411	352	132 - 457	435	699	1496
8884.000	8454.000	799	792	711	675	655	675	735	652	1808	1797	1711	1785	1650	1630	408	275	311	252	132 - 357	335	699	1696
8885.000	8455.000	799	792	711	675	655	675	735	652	1808	1797	1711	1785	1650	1630	508	375	411	352	132 - 457	435	699	1696
8886.000	-	799	792	711	675	655	675	735	652	1808	1797	1711	1785	1650	1630	608	475	511	452	132 - 557	535	699	1696

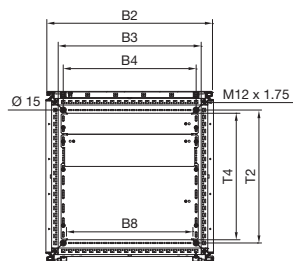
# Baying enclosure system VX25

## Technical details

### Basic enclosure with glazed door



Section A – A



#### Enclosure

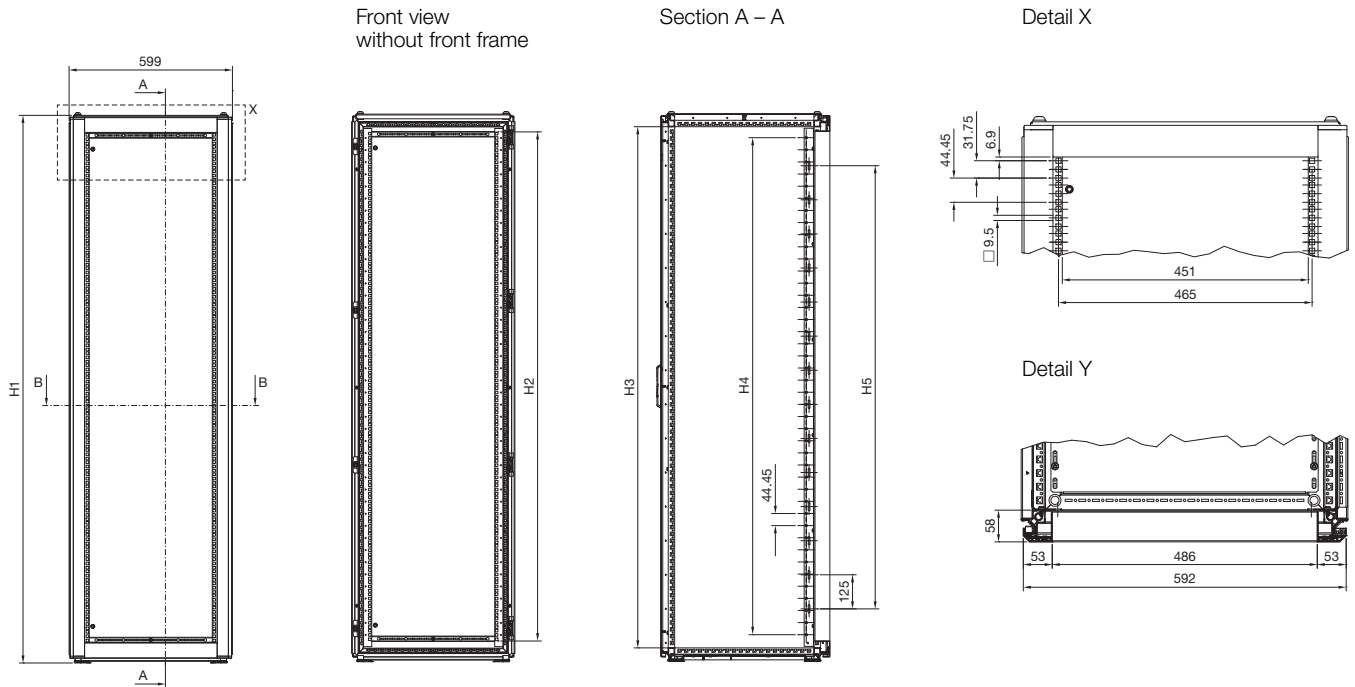
- B1 = Overall width
- B2 = Width of door
- B3 = Clearance of enclosure frame
- B4 = Hole distance, base/plinth attachment
- B5 = Clearance of tubular door frame, rear door
- B6 = Distance between axes of the tubular door frame rows of holes, rear door
- B7 = Roof attachment spacing
- B8 = Clearance opening, base
- H1 = Overall height
- H2 = Clearance of enclosure frame
- H3 = Height of door
- H4 = Distance between axes of the tubular door frame rows of holes, rear door
- H5 = Clearance of tubular door frame, rear door
- T1 = Overall depth
- T2 = Hole distance, base/plinth attachment
- T3 = Clearance of enclosure frame
- T4 = Clearance opening, base
- T5 = Roof attachment spacing

#### Note:

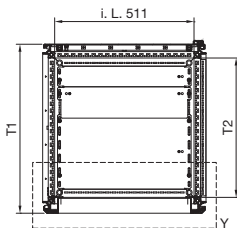
- With fitted side panels, the overall width (B1) is increased by 9 + 4 mm
- Between bayed enclosures, allow 1 mm for the seal

Model No.	Width dimensions mm								Height dimensions mm					Depth dimensions mm				
	B1	B2	B3	B4	B5	B6	B7	B8	H1	H2	H3	H4	H5	T1	T2	T3	T4	T5
8840.100	799	797	711	675	655	675	735	652	2008	1911	1984.5	1850	1830	816.5	675	711	652	735
8840.110	799	792	711	675	655	675	735	652	2008	1911	1984.5	1850	1830	816.5	675	711	652	735
8840.120	599	592	511	475	455	475	535	452	2008	1911	1984.5	1850	1830	616.5	475	511	452	535
8840.130	599	592	511	475	455	475	535	452	2008	1911	1984.5	1850	1830	616.5	475	511	452	535

### Electronic enclosure



Section B - B

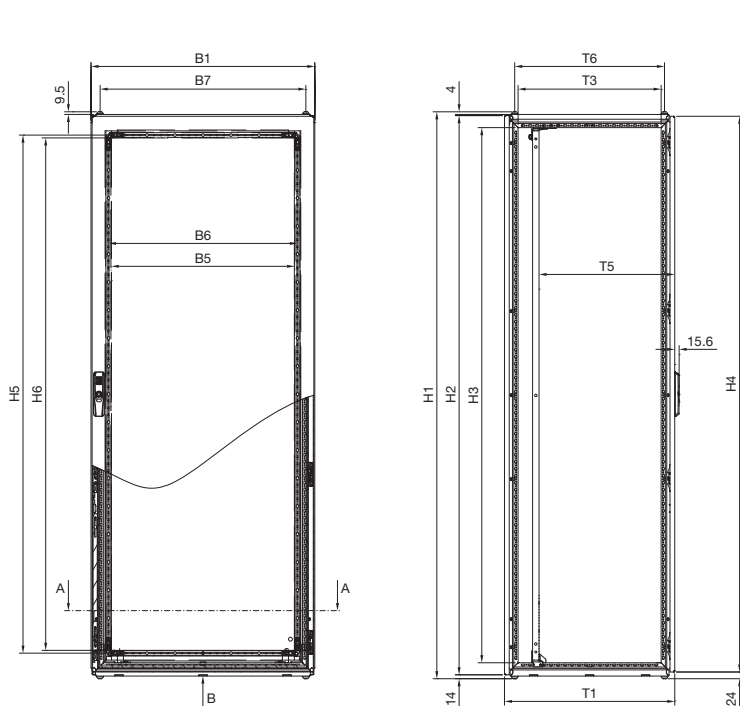


Model No.	Height dimensions						Depth dimensions		
	H1 mm	H2		H3 mm	H4		H5 mm	T1 mm	T2 mm
		mm	U		mm	U			
<b>8410.000</b>	1608	1466.6	33	c.w. 1511	1422.4	32	1375	619.5	c.w. 511
<b>8418.000</b>	1608	1466.6	33	c.w. 1511	1422.4	32	1375	619.5	c.w. 511
<b>8430.000</b>	2008	1866.9	42	c.w. 1911	1822.45	41	1625	819.5	c.w. 711
<b>8438.000</b>	2008	1866.9	42	c.w. 1911	1822.45	41	1625	819.5	c.w. 711

# Baying enclosure system VX25

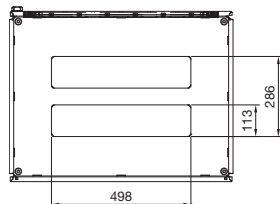
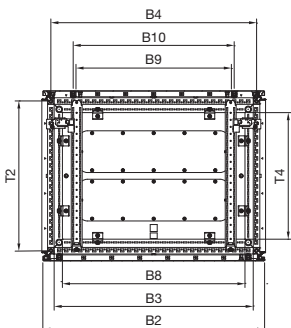
## Technical details

### IP 66/NEMA 4, IP 66/NEMA 4X

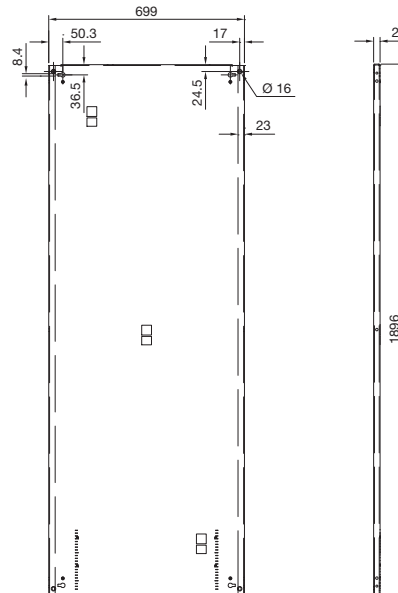


Section A – A

View B



Mounting plate



#### Enclosure

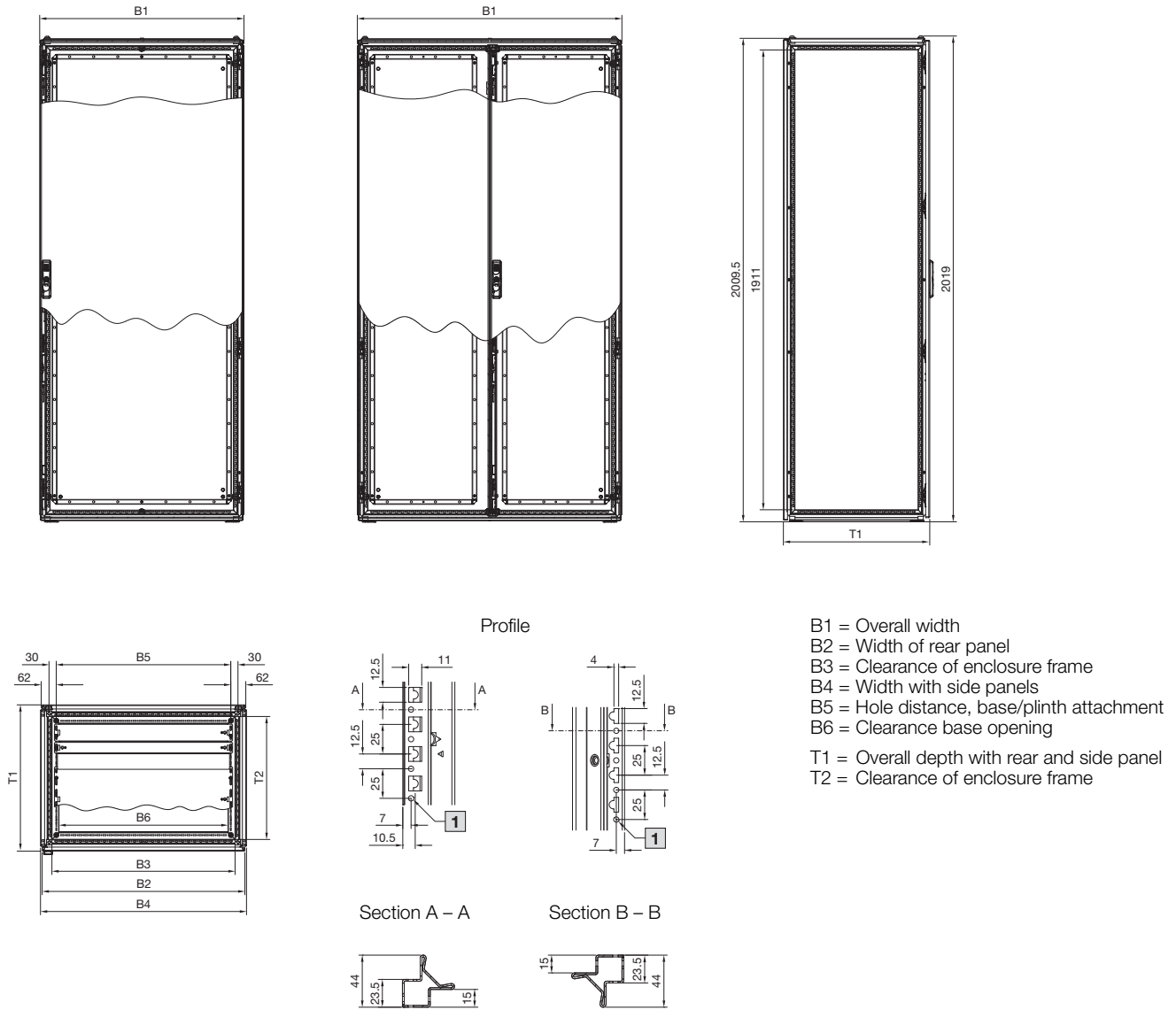
- B1 = Overall width
- B2 = Width of door
- B3 = Clearance of enclosure frame
- B4 = Hole distance, base/plinth attachment
- B5 = Clearance of tubular door frame
- B6 = Distance between axes of the tubular door frame rows of holes
- B7 = Roof attachment spacing
- B8 = Clearance base opening
- B9 = Clearance of enclosure frame, rear panel
- B10 = Distance between axes of the frame rows of holes, rear panel
- H1 = Overall height
- H2 = Height of rear panel
- H3 = Clearance of enclosure frame
- H4 = Height of door
- H5 = Distance between axes of the tubular door frame rows of holes
- H6 = Clearance of tubular door frame
- T1 = Overall depth
- T2 = Hole distance, base/plinth attachment
- T3 = Clearance of enclosure frame
- T4 = Clearance base opening
- T5 = Possible mounting depth with accessories (mounting plate assembly) on a 25 mm pattern
- T6 = Roof attachment spacing

#### Note:

- With fitted side panels, the overall width (B1) is increased by 9 + 4 mm
- Between bayed enclosures, allow 1 mm for the seal

Model No.	Width dimensions mm										Height dimensions mm						Depth dimensions mm					
	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	H1	H2	H3	H4	H5	H6	T1	T2	T3	T4	T5	T6
8458.000	799	792	711	735	655	675	735	652	555	575	2025	1997	1911	1985	1850	1830	608	475	511	452	132 – 477	535
8807.000	799	792	711	735	655	675	735	652	555	575	2025	1997	1911	1985	1850	1830	608	475	511	452	132 – 477	535

### Distribution enclosure

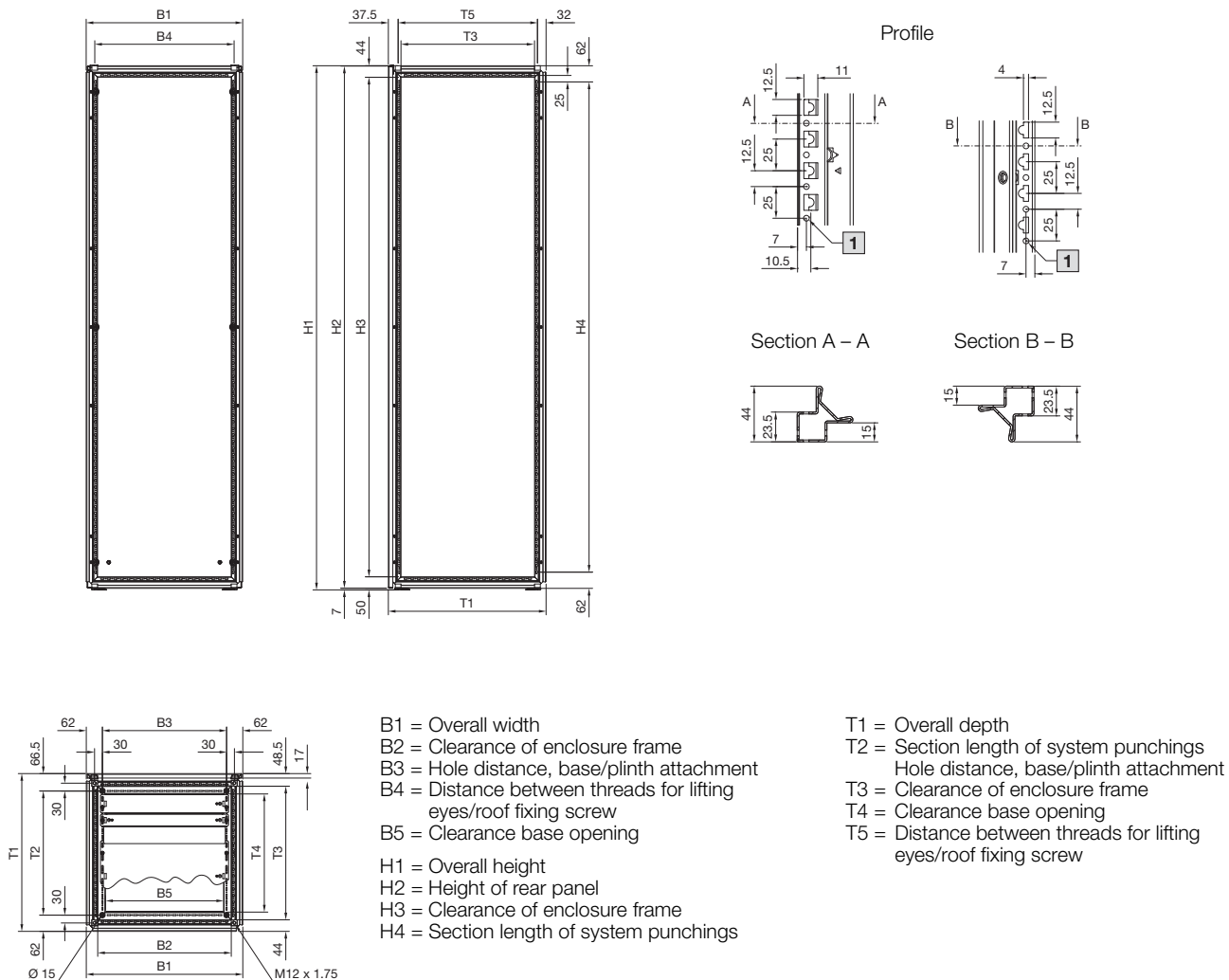


Model No.	Width dimensions mm						Depth dimensions mm	
	B1	B2	B3	B4	B5	B6	T1	T2
9666.916	849	842	761	856	725	702	608	511
9666.926	1099	1092	1011	1106	975	952	608	511
9666.956	849	842	761	856	725	702	408	311
9666.966	1099	1092	1011	1106	975	952	408	311

# Baying enclosure system VX25

## Technical details

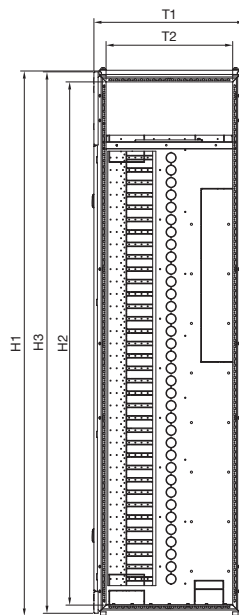
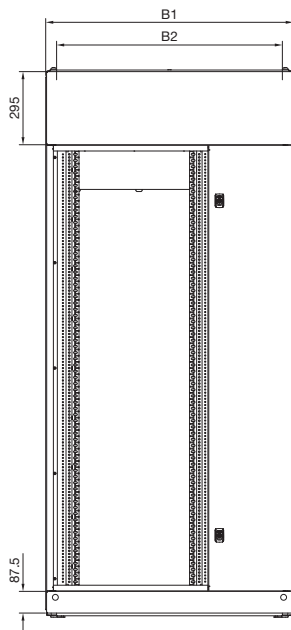
### Modular enclosure



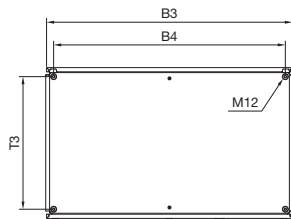
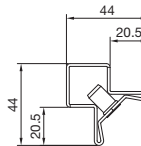
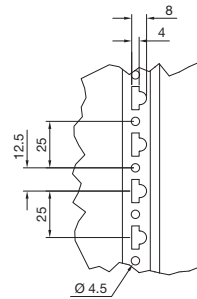
Model No.	Width dimensions mm					Height dimensions mm				Depth dimensions mm				
	B1	B2	B3	B4	B5	H1	H2	H3	H4	T1	T2	T3	T4	T5
<b>9680.406</b>	399	311	375	335	252	2005	1997	1911	1875	603.5	475	511	452	535
<b>9680.408</b>	399	311	375	335	252	2005	1997	1911	1875	803.5	675	711	652	735
<b>9680.426</b>	399	311	375	335	252	2205	2197	2111	2075	603.5	475	511	452	535
<b>9680.428</b>	399	311	375	335	252	2205	2197	2111	2075	803.5	675	711	652	735
<b>9680.606</b>	599	511	575	535	452	2005	1997	1911	1875	603.5	475	511	452	535
<b>9680.608</b>	599	511	575	535	452	2005	1997	1911	1875	803.5	675	711	652	735
<b>9680.626</b>	599	511	575	535	452	2205	2197	2111	2075	603.5	475	511	452	535
<b>9680.628</b>	599	511	575	535	452	2205	2197	2111	2075	803.5	675	711	652	735
<b>9680.806</b>	799	711	775	735	652	2005	1997	1911	1875	603.5	475	511	452	535
<b>9680.808</b>	799	711	775	735	652	2005	1997	1911	1875	803.5	675	711	652	735
<b>9680.826</b>	799	711	775	735	652	2205	2197	2111	2075	603.5	475	511	452	535
<b>9680.828</b>	799	711	775	735	652	2205	2197	2111	2075	803.5	675	711	652	735



### Fuse-switch-disconnector enclosure



Section



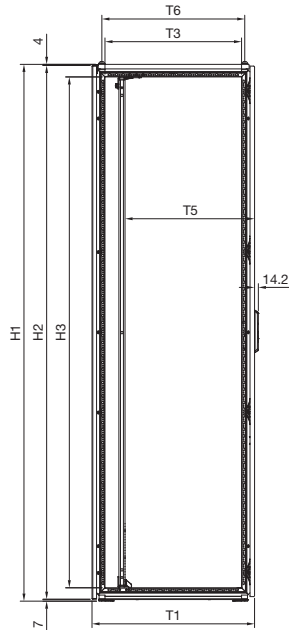
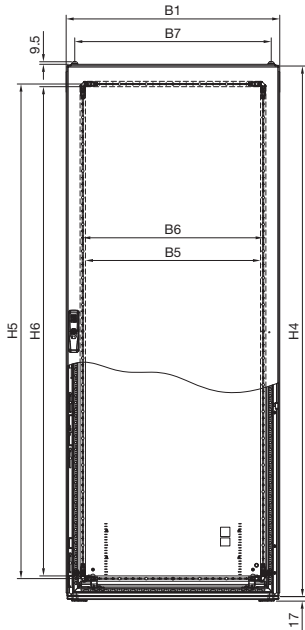
- B1 = Overall width
- B2 = Clearance of enclosure frame
- B3 = Width of rear panel
- B4 = Distance between lifting eyes
- H1 = Overall height
- H2 = Clearance of enclosure frame
- H3 = Height of rear panel
- T1 = Overall depth
- T2 = Clearance of enclosure frame
- T3 = Spacing between eyebolts

Model No. SV	Width dimensions mm				Height dimensions mm			Depth dimensions mm		
	B1	B2	B3	B4	H1	H2	H3	T1	T2	T3
9680.005	999	911	992	935	1999	1911	1985	608	511	535
9680.025	999	911	992	935	2199	2111	2185	608	511	535
9680.207	1199	1111	1192	1135	1999	1911	1985	808	711	735
9680.227	1199	1111	1192	1135	2199	2111	2185	808	711	735

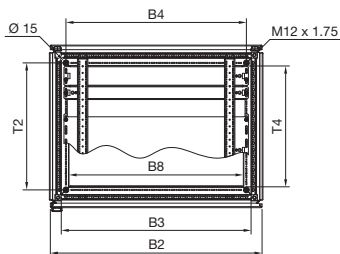
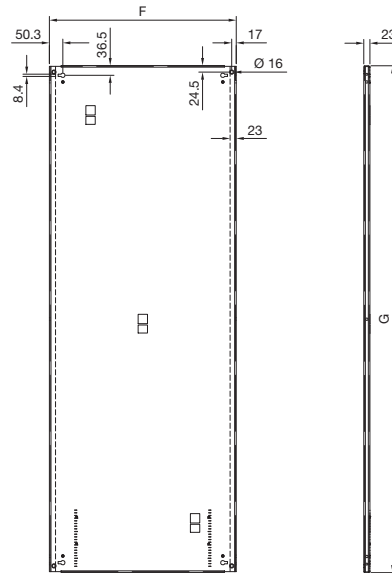
# Baying enclosure system VX25

## Technical details

### EMC enclosure



Mounting plate



#### Enclosure

- B1 = Overall width
- B2 = Width of door
- B3 = Clearance of enclosure frame
- B4 = Hole distance, base/plinth attachment
- B5 = Clearance of tubular door frame
- B6 = Distance between axes of the tubular door frame rows of holes
- B7 = Roof attachment spacing
- B8 = Clearance base opening
- H1 = Overall height
- H2 = Height of rear panel
- H3 = Clearance of enclosure frame
- H4 = Height of door
- H5 = Distance between axes of the tubular door frame rows of holes
- H6 = Clearance of tubular door frame
- T1 = Overall depth
- T2 = Hole distance, base/plinth attachment
- T3 = Clearance of enclosure frame
- T4 = Clearance base opening
- T5 = Possible mounting depth (mounting plate assembly), depth-adjustable on a 25 mm pattern
- T6 = Roof attachment spacing

#### Mounting plate

- F = Overall width
- G = Overall height

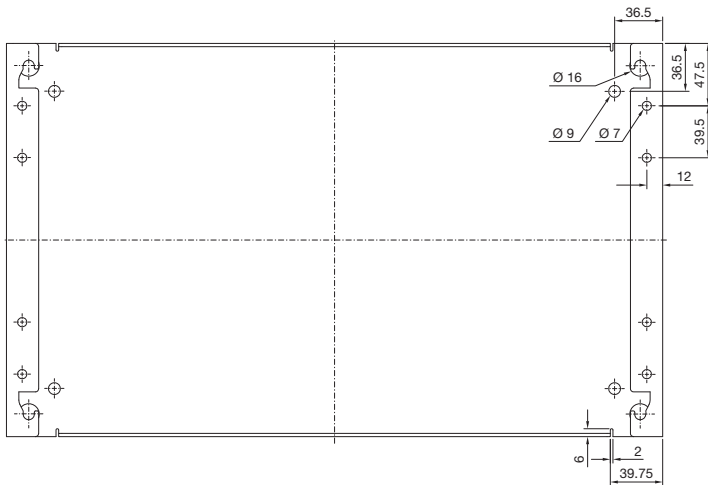
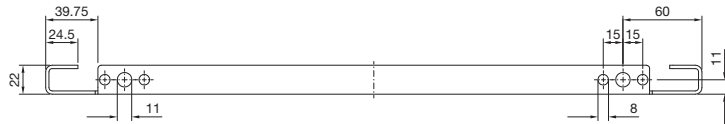
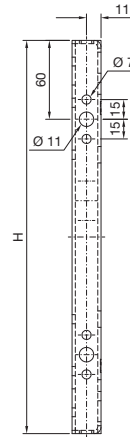
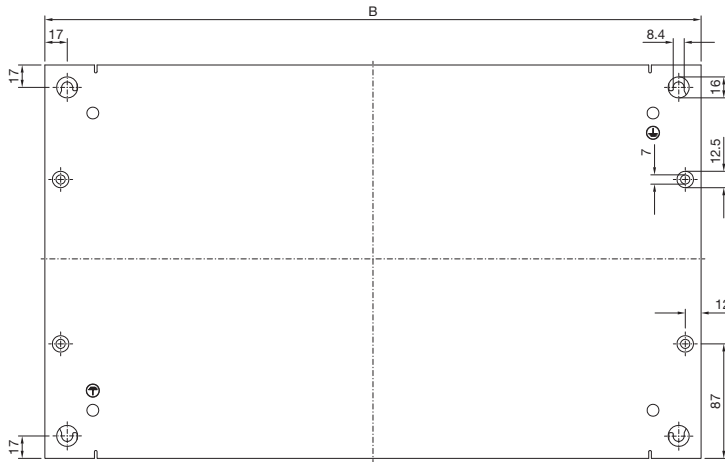
#### Note:

- With fitted side panels, the overall width (B1) is increased by 9 + 4 mm
- Between bayed enclosures, allow 1 mm for the seal

Model No.	Width dimensions mm								Height dimensions mm						Depth dimensions mm					Mounting plate		
	B1	B2	B3	B4	B5	B6	B7	B8 <sup>1)</sup>	H1	H2	H3	H4	H5	H6	T1	T2	T3	T4 <sup>1)</sup>	T5	T6	F	G
8807.010	799	792	711	675	655	675	735	652	2008	1997	1911	1985	1850	1830	608	475	511	452	132 – 557	535	699	1896
8807.020	799	792	711	675	655	675	735	652	2008	1997	1911	1985	1850	1830	808	675	711	652	132 – 757	735	699	1896

<sup>1)</sup> The seal reduces the dimension by 16 mm in each case. The seal is not rigid, but can be pressed in

### Partial mounting plate

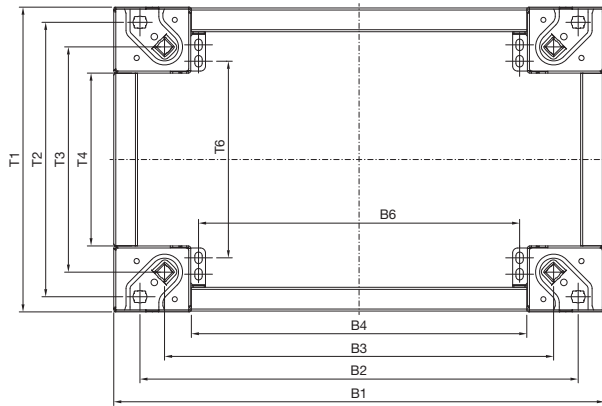


Model No.	W	H
<b>8617.510</b>	499	299
<b>8617.520</b>	499	399
<b>8617.530</b>	499	499
<b>8617.540</b>	499	699
<b>8617.550</b>	499	774
<b>8617.560</b>	699	299
<b>8617.570</b>	699	399
<b>8617.580</b>	699	699
<b>8617.590</b>	899	299
<b>8617.600</b>	899	399
<b>8617.610</b>	899	499
<b>8617.620</b>	1099	299
<b>8617.630</b>	1099	399
<b>8617.640</b>	1099	499

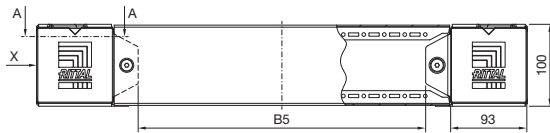
# Baying enclosure system VX25

## Technical details

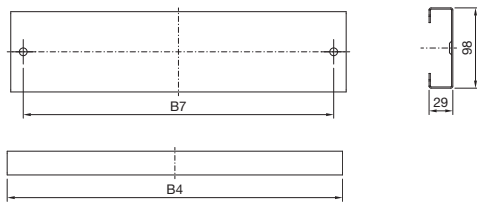
### Base/plinth system VX



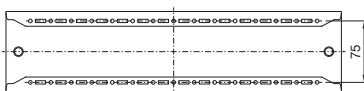
Base/plinth, 100 mm high



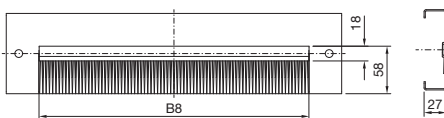
Base/plinth trim panel, solid, 100 mm high, front view



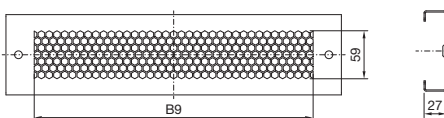
Rear view



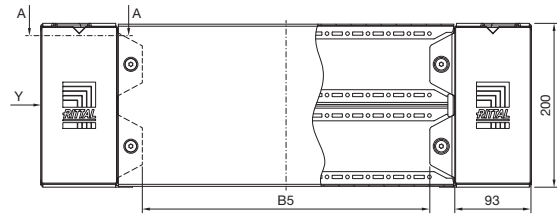
Base/plinth trim panel with brush strip, 100 mm high, front view



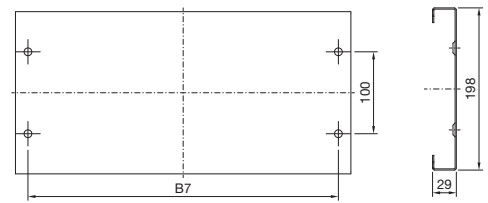
Base/plinth trim panel, vented, 100 mm high, front view



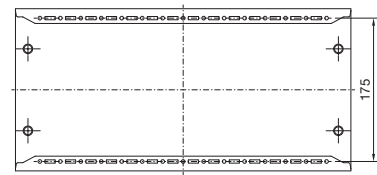
Base/plinth, 200 mm high



Base/plinth trim panel, solid, 200 mm high, front view

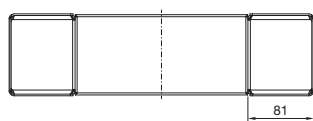


Rear view



### Base/plinth system VX

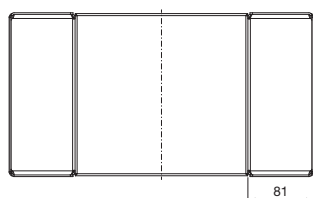
View X



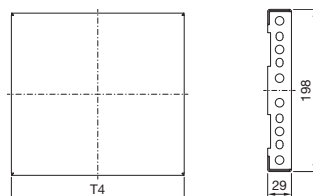
Base/plinth trim panel, side, solid, 100 mm high



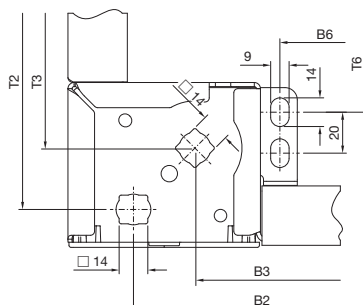
View Y



Base/plinth trim panel, side, solid, 200 mm high



Section A – A



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

Model No. VX	Height	Width	B1	B2	B3	B4	B5	B6	B7
8660.000	100	300	299	235	175	110	51	92	79
8660.001	100	400	399	335	275	210	151	192	179
8660.002	100	600	599	535	475	410	351	392	379
8660.003	100	800	799	735	675	610	551	592	579
8660.004	100	850	849	785	725	660	601	642	629
8660.005	100	1000	999	935	875	810	751	792	779
8660.006	100	1100	1099	1035	975	910	851	892	879
8660.007	100	1200	1199	1135	1075	1010	951	992	979
8660.008	100	1600	1599	1535	1475	1410	1351	1392	1379
8660.009	100	1800	1799	1735	1675	1610	1551	1592	1579
8660.020	200	300	299	235	175	110	51	92	79
8660.021	200	400	399	335	275	210	151	192	179
8660.022	200	600	599	535	475	410	351	392	379
8660.023	200	800	799	735	675	610	551	592	579
8660.024	200	1000	999	935	875	810	751	792	779
8660.025	200	1200	1199	1135	1075	1010	951	992	979
8660.026	200	1600	1599	1535	1475	1410	1351	1392	1379
8660.027	200	1800	1799	1735	1675	1610	1551	1592	1579

**Base/plinth trim panels with brush strip**

Model No. VX	To fit		B8
	Height	Width	
8660.092	100	600	330
8660.093	100	800	530
8660.094	100	1000	750
8660.095	100	1200	930

**Base/plinth trim panels, vented**

Model No. VX	To fit		B9
	Height	Width	
8660.090	100	600	340
8660.091	100	800	540

**Trim panels, sides**

Model No. VX	Height	Depth	T1	T2	T3	T4	T6
8660.030	100	300	272	235	175	111	140
8660.031	100	400	372	335	275	211	240
8660.032	100	500	472	435	375	311	340
8660.033	100	600	572	535	475	411	440
8660.034	100	800	772	735	675	611	640
8660.035	100	1000	972	935	875	811	840
8660.036	100	1200	1172	1135	1075	1011	1040
8660.040	200	300	272	235	175	111	140
8660.041	200	400	372	335	275	211	240
8660.042	200	500	472	435	375	311	340
8660.043	200	600	572	535	475	411	440
8660.044	200	800	772	735	675	611	640
8660.045	200	1000	972	935	875	811	840
8660.046	200	1200	1172	1135	1075	1011	1040

- B1 = Width Base/plinth
- B2/B3 = Attachment to enclosure/base
- B4 = Base/plinth trim panel front/rear
- B5 = Underclearance
- B6 = Attachment to base
- B7 = Attachment base/plinth trim panels
- B8 = Width of brush strip
- B9 = Width ventilation
- T1 = Depth of base/plinth
- T2/T3 = Attachment to enclosure/base
- T4 = Base/plinth trim panel, sides
- T6 = Attachment to base

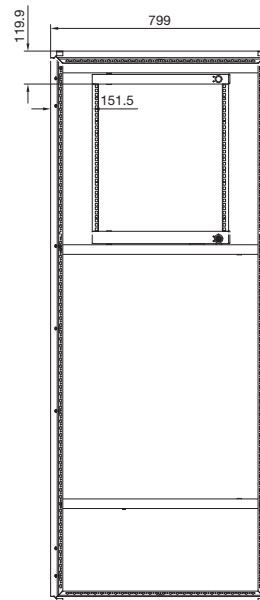
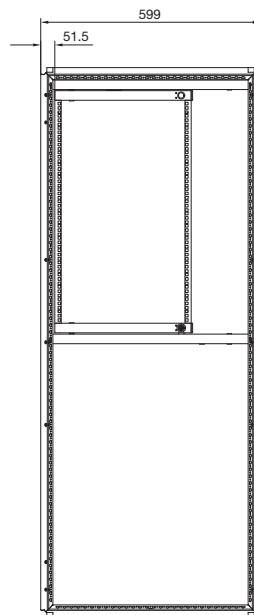
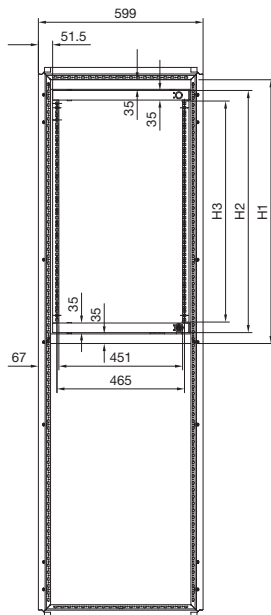
# Baying enclosure system VX25

## Technical details

### Swing frame, small

For 600 mm wide enclosures

For 800 mm wide enclosures optionally at the side or in the centre



Height units	3 U	6 U	9 U	12 U	15 U	18 U
<b>Model No.</b>	<b>8619.500</b>	<b>8619.510</b>	<b>8619.520</b>	<b>8619.530</b>	<b>8619.540</b>	<b>8619.550</b>
H1 mm	285	435	560	685	835	960
H2 mm	206	356	481	606	756	881
H3 mm	136	286	411	536	686	811

Installation depth T max. = mm with dimension D<sup>1)</sup> of at least 45 mm

Enclosure width mm	600	800	800
Internal mounting	Centre	Side	Centre
Enclosure depth mm	<b>1</b> T max. 400 185 500 185 ≥ 600 185	<b>1</b> T max. 310 410 500	<b>1</b> T max. 310 370 370

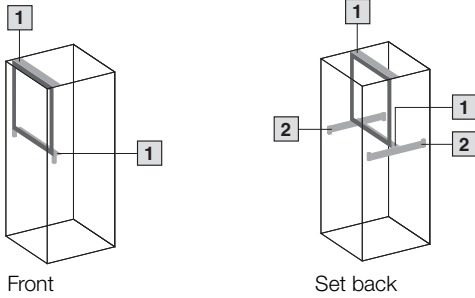
<sup>1)</sup> D = Distance from inner edge of door to front edge of swing frame, may be installed deeper on a 25 mm pitch pattern

### Swing frame, small

#### VX25 installation examples

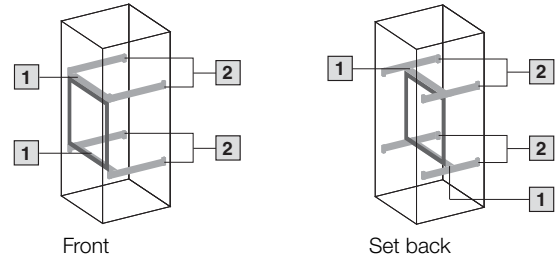
##### Partial installation

in 600 and 800 mm wide enclosures, each in the highest or lowest position.



##### Partial installation, centre

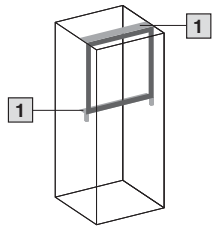
in 600 and 800 mm wide enclosures.



##### Side installation

With an enclosure depth of 600 or 800 mm, side installation of a small swing frame is identical to installation parallel to the front.

For access to the swing frame, we recommend hinges for the side panel.



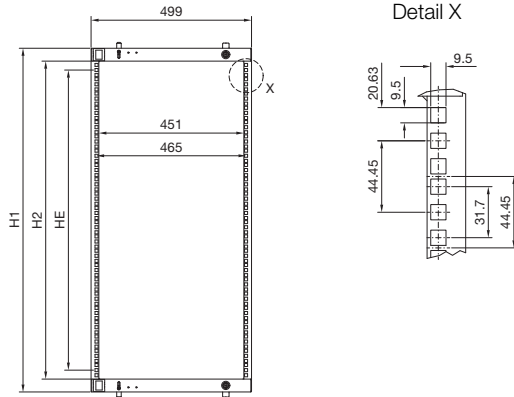
1 Installation kit for swing frame, small

2 Punched section with mounting flange, 23 x 64 mm

# Baying enclosure system VX25

## Technical details

### Swing frame, large Without trim panel



Height units	22 U	31 U	35 U	40 U	44 U
<b>Model No.</b>	<b>8619.010</b>	<b>8619.011</b>	<b>8619.012</b>	<b>8619.013</b>	<b>8619.014</b>
For enclosure height mm (or higher)	1200	1600	1800	2000	2200
H1 mm	1068	1468	1668	1868	2068
H2 mm	988	1388	1588	1788	1988
Depth mm	80	80	80	80	80

Installation depth T max. = mm with dimension D<sup>1)</sup> of at least 48 mm

Enclosure width mm	600	1200	1200
Internal mounting	Centre	Left or right	Left and right
Enclosure depth mm	<b>1</b> T max.	<b>1</b> T max.	<b>1</b> T max.
400	210	295	295
500	210	395	360
600	210	495	360
800	210	695	360

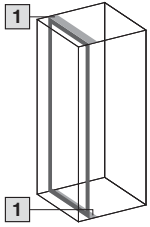
<sup>1)</sup>D = Distance from inner edge of door to front edge of swing frame, may be installed deeper on a 25 mm pitch pattern



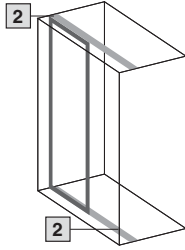
### Swing frame, large

Without trim panel, VX25 installation examples

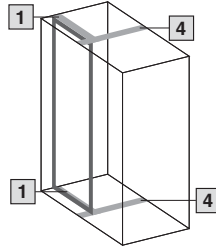
#### Full installation



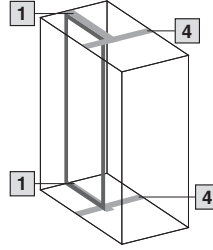
600 mm front



1200 mm front

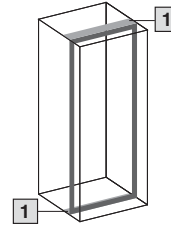


1200 mm front with system divider



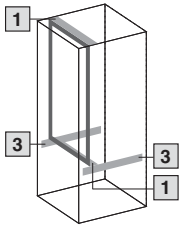
1200 mm set back with system divider

#### Side installation

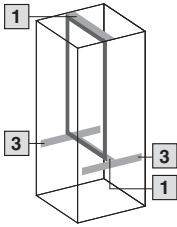


With an enclosure depth of 600 mm, side installation of a large swing frame is identical to installation parallel to the front. For access to the swing frame, we recommend hinges for the side panel.

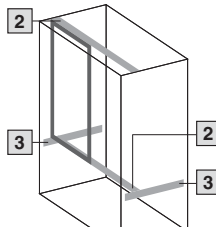
#### Partial installation, top



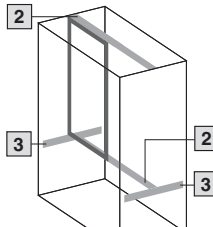
600 mm front



600 mm set back



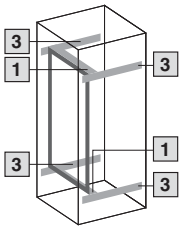
1200 mm front



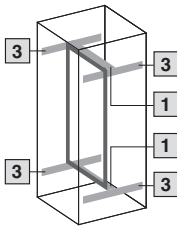
1200 mm set back

- 1 Installation kit for 600 mm wide enclosures
- 2 Installation kit for 1200 mm wide enclosures
- 3 Punched section with mounting flange, 23 x 64 mm
- 4 System divider

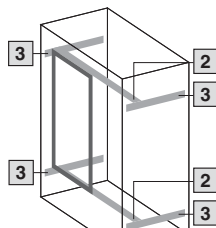
#### Partial installation, centre



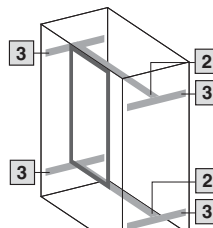
600 mm front



600 mm set back



1200 mm front



1200 mm set back

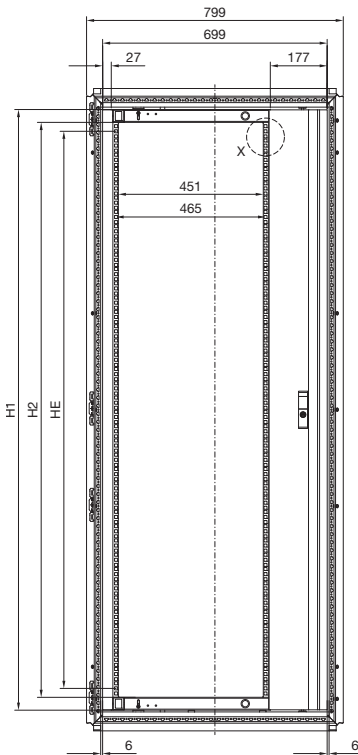
# Baying enclosure system VX25

## Technical details

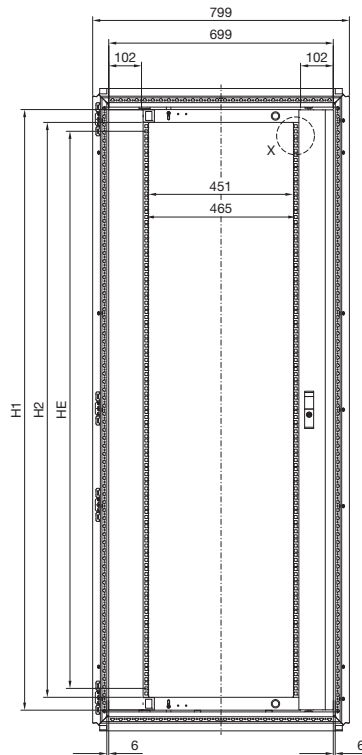
### Swing frame, large

With trim panel

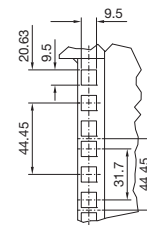
Mounting components, sides (built into VX25)



Mounting components, centre (built into VX25)



Detail X



Height units	22 U		31 U		35 U		40 U		44 U		
	Side	Centre	Side	Centre	Side	Centre	Side	Centre	Side	Centre	
Trim panel											
<b>Model No. SR</b>	<b>RAL 7035</b>	<b>8619.020</b>	<b>8619.030</b>	<b>8619.021</b>	-	<b>8619.022</b>	<b>8619.032</b>	<b>8619.023</b>	<b>8619.033</b>	<b>8619.024</b>	<b>8619.034</b>
For enclosure height mm (or higher)	1200		1600		1800		2000		2200		
H1 mm	1068		1468		1668		1868		2068		
H2 mm	988		1388		1588		1788		1988		
Depth mm	80		80		80		80		80		

Installation depth T max. = mm with dimension D<sup>1)</sup> of at least 48 mm

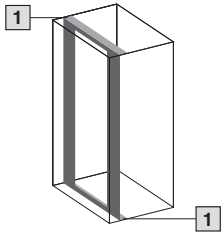
Enclosure width mm	800			
Internal mounting	Side		Centre	
Hinge	130°	180°	130°	180°
Enclosure depth mm	<b>1</b> T max.	<b>1</b> T max.	<b>1</b> T max.	<b>1</b> T max.
400	295	260	265	150
500	395	360	370	250
600	470	440	370	330
800	470	440	370	330

<sup>1)</sup> D = Distance from inner edge of door to front edge of swing frame, may be installed deeper on a 25 mm pitch pattern

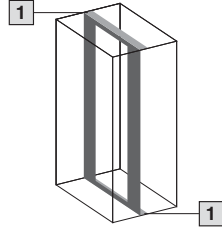
### Swing frame, large

With trim panel, VX25 installation examples

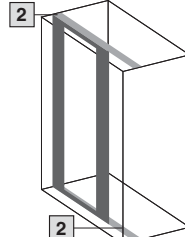
#### Full installation



800 mm front

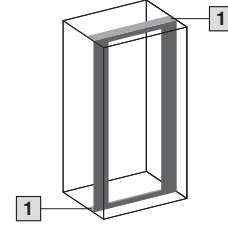


800 mm set back



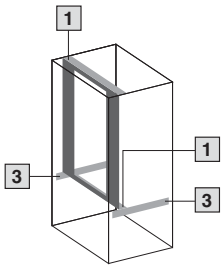
1200 mm front

#### Side installation

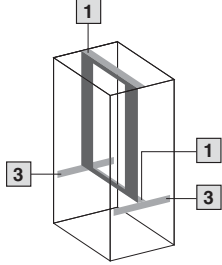


With an enclosure depth of 800 mm, side installation of a large swing frame is identical to installation parallel to the front. For access to the swing frame, we recommend hinges for the side panel.

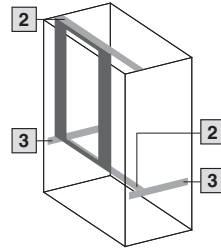
#### Partial installation, top



800 mm front



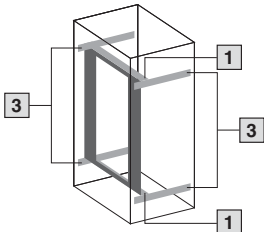
800 mm set back



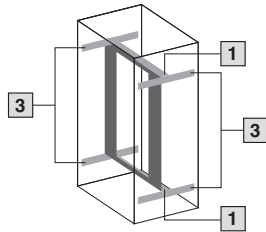
1200 mm front

- 1 Installation kit for 800 mm wide enclosures
- 2 Installation kit for 1200 mm wide enclosures
- 3 Punched section with mounting flange, 23 x 64 mm

#### Partial installation, centre



800 mm front



800 mm set back

# List of model numbers

Model No.	Page	Model No.	Page	Model No.	Page	Model No.	Page
1962.200	212	2411.811	202	2500.430	180	2580.100	203
1963.200	212	2411.821	202	2500.435	180	2580.115	203
1980.200	212	2411.831	202	2500.440	180	2580.116	203
2090.000	214	2411.841	202	2500.450	180	2580.117	203
2308.000	132	2411.851	202	2500.460	180	2580.118	203
2309.000	170	2411.861	202	2500.470	180	2580.119	203
2311.225	136	2411.871	202	2500.490	181	2580.120	203
2311.250	136	2412.216	188	2500.500	180	2580.121	203
2313.150	170	2412.225	188	2500.530	180	2580.122	203
2313.750	170	2412.316	188	2500.680	180	2580.123	203
2335.000	189	2412.325	188	2500.710	181	2580.124	203
2350.000	206	2413.375	185	2500.711	181	2580.125	203
2351.000	206	2413.550	185	2500.712	181	2582.100	203
2352.000	206	2414.000	185	2500.713	181	2582.200	203
2353.000	206	2414.500	185	2500.714	181	2582.400	203
2354.000	206	2415.000	185	2500.715	181	2582.600	203
2355.000	206	2415.100	139	2504.000	174	2583.080	203
2356.000	206	2415.500	160	2504.500	174	2583.100	203
2357.000	206	2416.000	132	2504.800	174	2589.000	207
2358.000	206	2418.000	132	2510.000	138	2590.000	207
2359.000	206	2419.000	132	2512.000	138	2591.000	207
2360.000	206	2422.000	147	2513.000	137	2592.000	207
2364.000	188	2423.000	147	2514.000	137	2593.000	207
2365.000	173	2424.100	146	2515.000	137	2594.000	207
2366.000	173	2425.100	146	2521.000	132	2595.000	207
2367.040	185	2426.100	146	2531.000	132	2596.000	207
2367.060	185	2427.100	146	2532.000	132	2597.000	207
2367.080	185	2435.100	133	2545.000	132	2735.250	140
2367.120	185	2435.200	133	2546.000	132	2735.500	140
2367.160	185	2435.400	133	2547.000	132	2735.510	140
2367.200	185	2435.500	133	2548.000	132	2735.520	140
2379.600	142	2435.600	133	2549.000	132	2735.530	140
2379.800	142	2440.905	97	2549.500	132	2735.540	140
2379.900	142	2446.000	137	2559.000	188	2735.560	140
2388.050	184	2467.000	131	2564.000	188	2735.570	140
2388.100	184	2468.000	131	2565.000	188	2735.580	140
2388.125	184	2469.000	131	2565.120	188	2735.590	140
2388.150	184	2477.000	109	2566.000	188	2736.500	140
2388.200	184	2478.000	109	2567.000	188	2736.510	140
2388.280	184	2479.000	109	2568.000	188	2736.520	140
2388.650	184	2480.000	109	2569.000	188	2736.530	140
2388.850	184	2481.000	109	2580.000	203	2736.540	140
2400.000	109	2486.400	174	2580.003	203	2793.560	141
2401.000	109	2486.600	174	2580.004	203	2843.160	185
2402.000	109	2487.000	174	2580.005	203	2843.200	185
2411.601	202	2493.500	132	2580.006	203	2843.250	185
2411.611	202	2500.200	179	2580.007	203	2843.320	185
2411.621	202	2500.210	179	2580.008	203	2843.400	185
2411.631	202	2500.220	179	2580.009	203	2843.500	185
2411.641	202	2500.300	179	2580.010	203	2843.630	185
2411.651	202	2500.310	179	2580.011	203	2859.000	98
2411.661	202	2500.400	180	2580.012	203	2899.200	204
2411.671	202	2500.410	180	2580.013	203	2899.250	204
2411.801	202	2500.420	180	2580.014	203	2899.320	204

# List of model numbers

Model No.	Page	Model No.	Page	Model No.	Page	Model No.	Page
2899.400	204	4612.000	98	7495.000	98	8184.245	104
3110.000	182	4638.600	136	7526.964	171	8185.245	104
3118.000	182	4638.800	136	7829.200	189	8186.245	104
3201.800	123	4694.000	168	7967.000	147	8204.000	61
3201.810	123	4695.000	168	8001.210	100	8205.000	62
3201.820	123	4696.000	168	8001.211	100	8206.000	63
3201.830	123	4697.000	168	8001.212	100	8208.000	64
3201.840	123	4911.000	111	8001.213	100	8215.000	55
3201.850	123	4911.100	111	8001.214	100	8226.000	65
3307.700	122	4912.000	111	8001.215	100	8228.000	65
3307.740	122	4916.000	111	8001.216	100	8245.000	56
3310.700	122	4918.000	111	8001.217	100	8265.000	57
3310.740	122	4920.000	111	8001.218	100	8284.000	58
4114.000	137	4933.000	170	8001.219	100	8285.000	59
4115.000	137	4934.000	170	8001.220	100	8286.000	60
4115.500	137	4935.000	170	8001.221	100	8405.000	62
4116.000	137	4937.000	170	8001.222	100	8406.000	63
4116.500	137	4943.000	169	8001.223	100	8410.000	68, 221
4118.000	137	4944.000	169	8001.224	100	8418.000	68, 221
4118.500	137	4945.000	169	8001.225	100	8430.000	68, 221
4120.000	137	4946.000	169	8001.239	100	8438.000	68, 221
4123.000	137	4947.000	169	8001.241	100	8450.000	78
4124.000	137	5001.080	206	8001.242	100	8451.000	78
4133.000	172	5001.081	206	8001.243	100	8452.000	78
4134.000	172	5001.082	206	8004.000	61	8453.000	77
4162.000	173	5001.083	206	8005.000	62	8454.000	76
4163.000	173	6148.000	98	8006.000	63	8455.000	77
4164.500	173	7077.000	207	8080.000	58	8456.000	76
4165.500	173	7078.000	207	8084.000	58	8457.000	77
4311.000	200	7094.130	214	8100.730	167	8458.000	79
4316.000	200	7097.000	207	8100.731	167	8485.000	59
4317.000	200	7097.220	207	8100.732	167	8486.000	60
4318.000	200	7097.260	207	8100.733	167	8600.255	97
4333.120	156	7097.300	207	8100.740	167	8600.265	97
4333.160	156	7097.340	207	8100.741	167	8600.455	97
4333.180	156	7098.000	207	8100.742	167	8600.465	97
4348.500	183	7098.100	207	8100.743	167	8600.510	97
4394.000	169	7099.000	207	8100.745	167	8600.520	97
4395.000	169	7164.035	178	8100.771	99	8600.655	97
4396.000	169	7165.035	178	8100.780	98	8600.665	97
4396.500	169	7166.035	178	8104.245	104	8600.855	97
4398.000	169	7166.735	178	8105.245	104	8600.865	97
4398.500	169	7184.035	178	8106.245	104	8601.450	96
4531.001	214	7185.035	178	8106.260	105	8601.680	96
4532.000	171	7186.035	178	8106.760	183	8601.860	187
4540.000	116	7186.735	178	8108.245	104	8604.000	61
4540.500	116	7464.035	178	8108.760	183	8605.000	62
4568.000	147	7465.035	178	8115.245	104	8606.000	63
4568.500	147	7466.035	178	8126.245	104	8608.000	64
4590.700	153	7466.735	178	8128.245	104	8609.140	108
4591.700	153	7484.035	178	8145.245	104	8609.150	108
4592.700	153	7485.035	178	8165.245	104	8609.160	108
4595.000	147	7486.035	178	8166.245	104	8609.170	108
4597.000	171	7486.735	178	8168.245	104	8609.200	106

# List of model numbers

Model No.	Page	Model No.	Page	Model No.	Page	Model No.	Page
8609.201	106	8617.501	114	8618.302	131	8619.300	213
8609.202	106	8617.502	114	8618.303	131	8619.310	213
8609.203	106	8617.503	114	8618.304	131	8619.320	213
8609.204	106	8617.505	116	8618.305	131	8619.330	213
8609.205	106	8617.506	115	8618.306	131	8619.400	206
8609.206	106	8617.507	115	8618.307	131	8619.410	206
8609.207	106	8617.508	115	8618.308	131	8619.420	206
8609.210	107	8617.510	157, 227	8618.330	121	8619.430	206
8609.211	107	8617.520	157, 227	8618.335	121	8619.440	206
8609.212	107	8617.530	157, 227	8618.340	121	8619.450	206
8609.213	107	8617.540	157, 227	8618.410	139	8619.460	206
8609.220	109	8617.550	157, 227	8618.420	138	8619.470	95, 172
8609.230	109	8617.560	157, 227	8618.425	138	8619.500	210, 230
8609.390	108	8617.570	157, 227	8618.430	138	8619.510	210, 230
8611.180	131	8617.580	157, 227	8618.450	141	8619.520	210, 230
8611.190	131	8617.590	157, 227	8618.451	141	8619.530	210, 230
8611.200	131	8617.600	157, 227	8618.460	130	8619.540	210, 230
8612.400	170	8617.610	157, 227	8618.501	146	8619.550	210, 230
8612.410	171	8617.620	157, 227	8618.511	146	8619.600	210
8612.960	170	8617.630	157, 227	8618.521	146	8619.610	210
8612.980	170	8617.640	157, 227	8618.531	146	8619.700	136
8613.151	214	8617.650	159	8618.541	147	8619.710	136
8613.161	214	8617.655	160	8618.600	187	8619.720	136
8613.181	214	8617.660	162	8618.800	201	8619.730	136
8615.000	55	8617.661	162	8618.801	201	8619.740	136
8617.000	166	8617.662	162	8618.802	201	8619.750	136
8617.010	166	8617.663	162	8618.803	201	8619.800	200
8617.020	166	8617.664	162	8618.810	201	8619.801	200
8617.030	166	8617.665	162	8618.811	201	8619.802	200
8617.040	166	8617.700	168	8618.812	201	8619.803	200
8617.050	166	8617.710	168	8618.813	201	8620.050	93
8617.060	166	8617.720	168	8618.820	184	8620.051	93
8617.100	166	8617.730	168	8618.821	184	8620.052	93
8617.110	166	8617.800	169	8618.822	184	8620.053	93
8617.120	166	8617.810	169	8618.823	184	8620.060	93
8617.130	166	8617.820	169	8619.010	211, 232	8620.061	93
8617.140	166	8617.830	169	8619.011	211, 232	8620.062	93
8617.150	166	8618.000	120	8619.012	211, 232	8620.063	93
8617.160	166	8618.010	120	8619.013	211, 232	8620.070	94
8617.170	166	8618.020	120	8619.014	211, 232	8620.071	94
8617.180	166	8618.030	120	8619.020	211, 234	8620.072	94
8617.190	166	8618.040	120	8619.021	211, 234	8620.080	94
8617.200	166	8618.050	120	8619.022	211, 234	8620.081	94
8617.210	166	8618.110	120	8619.023	211, 234	8620.082	94
8617.351	154	8618.120	120	8619.024	211, 234	8620.100	96
8617.352	155	8618.200	130	8619.030	211, 234	8620.500	127
8617.353	153	8618.220	130	8619.032	211, 234	8620.501	127
8617.360	155	8618.230	130	8619.033	211, 234	8620.502	127
8617.370	156	8618.240	130	8619.034	211, 234	8620.520	127
8617.400	156	8618.250	130	8619.040	212	8620.521	127
8617.401	156	8618.270	130	8619.041	212	8620.901	99
8617.402	156	8618.280	130	8619.042	212	8626.000	65
8617.403	156	8618.300	131	8619.051	212	8628.000	65
8617.500	114	8618.301	131	8619.270	212	8645.000	56

# List of model numbers

Model No.	Page	Model No.	Page	Model No.	Page	Model No.	Page
8660.000	91	8700.140	116	9666.020	191	9666.580	193
8660.001	91	8700.150	116	9666.030	191	9666.583	193
8660.002	91	8700.160	116	9666.040	191	9666.590	194
8660.003	91	8800.695	183	9666.050	191	9666.600	194
8660.004	91	8800.750	205	9666.053	191	9666.603	194
8660.005	91	8800.751	205	9666.060	191	9666.640	194
8660.006	91	8800.752	205	9666.063	191	9666.650	196
8660.007	91	8800.753	205	9666.070	191	9666.660	196
8660.008	91	8800.754	205	9666.073	191	9666.665	196
8660.009	91	8800.755	205	9666.080	191	9666.670	196
8660.020	91	8800.770	205	9666.090	191	9666.680	196
8660.021	91	8800.845	116	9666.100	191	9666.702	197
8660.022	91	8800.855	116	9666.110	191	9666.703	197
8660.023	91	8800.865	116	9666.120	191	9666.704	197
8660.024	91	8800.875	116	9666.130	191	9666.705	197
8660.025	91	8800.885	116	9666.133	191	9666.706	197
8660.026	91	8801.000	121	9666.140	191	9666.707	197
8660.027	91	8801.010	121	9666.143	191	9666.711	197
8660.030	92	8801.260	127	9666.150	191	9666.712	197
8660.031	92	8804.000	61	9666.160	191	9666.722	197
8660.032	92	8805.000	62	9666.170	191	9666.723	197
8660.033	92	8806.000	63	9666.180	191	9666.724	197
8660.034	92	8807.000	69	9666.190	191	9666.732	197
8660.035	92	8807.010	74	9666.200	191	9666.740	197
8660.036	92	8807.020	74	9666.210	191	9666.902	190
8660.040	92	8808.000	64	9666.213	191	9666.912	190
8660.041	92	8815.000	55	9666.220	191	9666.916	70, 223
8660.042	92	8826.000	65	9666.223	191	9666.922	190
8660.043	92	8828.000	65	9666.230	191	9666.926	70, 223
8660.044	92	8840.100	67	9666.240	191	9666.932	190
8660.045	92	8840.110	67	9666.250	191	9666.956	70, 223
8660.046	92	8840.120	67	9666.260	191	9666.966	70, 223
8660.090	93	8840.130	67	9666.270	191	9674.790	149
8660.091	93	8845.000	56	9666.280	191	9680.005	73, 225
8660.092	92	8865.000	57	9666.290	191	9680.025	73, 225
8660.093	92	8880.000	59	9666.293	191	9680.207	73, 225
8660.094	92	8881.000	60	9666.300	191	9680.227	73, 225
8660.095	92	8884.000	58	9666.303	191	9680.406	71, 224
8660.096	96	8885.000	59	9666.310	192	9680.408	71, 224
8660.100	94	8886.000	60	9666.340	192	9680.426	72, 224
8660.110	94	8951.000	110	9666.350	192	9680.428	72, 224
8660.120	96	8951.010	110	9666.380	192	9680.606	71, 224
8660.121	96	8951.020	110	9666.390	192	9680.608	71, 224
8660.130	99	8951.030	110	9666.400	192	9680.626	72, 224
8660.131	99	8952.010	110	9666.410	192	9680.628	72, 224
8660.140	94	8952.020	110	9666.420	192	9680.806	71, 224
8660.400	95	8952.030	110	9666.430	193	9680.808	71, 224
8665.000	57	9665.750	149	9666.440	193	9680.826	72, 224
8684.000	58	9665.760	149	9666.520	195	9680.828	72, 224
8685.000	59	9665.770	149	9666.530	195	9681.204	126
8686.000	60	9665.780	149	9666.533	195	9681.206	126
8700.030	104	9665.785	149	9666.550	193	9681.208	126
8700.040	104	9666.000	191	9666.560	193	9681.514	148
8700.050	104	9666.010	191	9666.570	193	9681.516	148

# List of model numbers

Model No.	Page	Model No.	Page
9681.546	148	9682.169	125
9681.548	148	9682.170	125
9681.564	148	9682.172	125
9681.566	148	9682.174	125
9681.568	148	9682.176	125
9681.586	148	9682.178	125
9681.588	148	9682.180	125
9681.594	148	9682.181	125
9681.596	148	9682.182	125
9681.646	148	9682.183	125
9681.648	148	9682.184	125
9681.660	148	9682.186	125
9681.662	148	9682.187	125
9681.666	148	9682.188	125
9681.668	148	9682.190	125
9681.680	148	9682.192	125
9681.682	148	9682.194	125
9681.686	148	9682.196	125
9681.688	148	9682.198	125
9681.806	148	9682.314	126
9681.808	148	9682.316	126
9681.826	148	9682.318	126
9681.828	148	9682.320	126
9681.846	148	9682.322	126
9681.848	148	9682.324	126
9681.866	148	9682.326	126
9681.868	148	9682.328	126
9681.886	148	9682.330	126
9681.888	148	9682.332	126
9682.104	125	9682.334	126
9682.106	125	9682.336	126
9682.108	125	9682.338	126
9682.124	125	9682.340	126
9682.126	125	9682.342	126
9682.128	125	9682.344	126
9682.140	125	9682.346	126
9682.142	125	9682.348	126
9682.143	125	9682.350	126
9682.144	125	9682.352	126
9682.146	125	9682.354	126
9682.148	125	9682.356	126
9682.150	125	9682.358	126
9682.152	125	9785.040	131
9682.154	125	9785.042	131
9682.156	125		
9682.158	125		
9682.160	125		
9682.161	125		
9682.162	125		
9682.163	125		
9682.164	125		
9682.166	125		
9682.167	125		
9682.168	125		



## Numerics

482.6 mm (19") fastener, 1 U 214

## A

Accessories 196  
 – Distribution enclosures  
 Adaptor  
 – for connector cut-outs 109  
 – for twin castors and levelling feet 99  
 Adaptor piece, 482.6 mm (19") 213  
 Adaptor section, 482.6 mm (19") 213  
 Angle piece 172  
 Angular baying bracket 115  
 Assembly components 172 – 174  
 Assembly parts 188  
 – for earth straps

## B

Base mounting bracket  
 – for base/plinth VX 94  
 Base/plinth  
 – for areas at risk from earthquakes 187  
 Base/plinth adaptor  
 – for twin castors and levelling feet 99  
 Base/plinth baying brackets 94  
 Base/plinth corner pieces with  
 base/plinth trim panels, front and rear  
 – Sheet steel 91  
 – Stainless steel 93  
 Base/plinth installation bracket 95  
 Base/plinth trim panels  
 – Sides, sheet steel 92  
 – Sides, stainless steel 94  
 – Vented, sheet steel 93  
 – with brush strip, sheet steel 92  
 Basic enclosure with glazed door VX25 66  
 Baying block, internal 114  
 Baying bracket, internal 114  
 Baying connector, external 114  
 Baying cover  
 – Top 116  
 – Vertical 116  
 Baying enclosure system VX25  
 – Basic enclosure with glazed door 66  
 – Distribution enclosure 70  
 – Electronic enclosure 68  
 – EMC enclosure 74  
 – Fuse-switch-disconnector enclosure 73  
 – IP 66/NEMA 4 69  
 – IP 66/NEMA 4X 79  
 – Modular enclosure 71, 72  
 – Sheet steel 54  
 – Stainless steel 75  
 Baying kit, VX25 to TS 8 116  
 Baying seal 115  
 Blanking cover  
 – ISV 196  
 Bracket  
 – Wall bracket 147  
 Busbar module ISV 195  
 – N/PE 194

## C

C rail  
 – 30/15 169  
 Cable chamber 97  
 Cable clamp  
 – for C rail 207  
 – for cable clamp rails 206  
 Cable clamp rail  
 – C-section 206  
 – Right angle section 206  
 Cable conduit/cable conduit holder 207  
 Cable duct 205  
 Cable entry gland 149  
 Cable entry grommet 200  
 Cable entry plate 200  
 Cable glands  
 – Brass 202  
 – EMC 185  
 – Polyamide 202  
 Cable ties 207  
 Cage nut 173  
 Castors 98  
 Central earthing point 189  
 Circuit-breaker module ISV 193  
 Clamp rail for cables 206  
 Climate control doors 123  
 Combination angle 116  
 Comfort handle  
 – AX 133  
 – VX 130  
 Component shelf  
 – for frame attachment 178  
 Connection accessories  
 – for LED system light 180  
 Connection terminal block ISV 192  
 Connector gland 109  
 Connector grommets 200  
 Contact cutter 185  
 Contact hazard protection module ISV 191  
 Contact paint 185  
 Contact washer 189  
 Cover  
 – Baying, top 116  
 – Baying, vertical 116  
 Cover plate  
 – for connector cut-outs 109  
 Cover strips ISV 196  
 Cover with door 109  
 Crane bracket 116  
 Cross member  
 – Adjustable 96  
 Cross rail 197  
 Cross-brace  
 – for mounting plates 156

## D

Depth extension frame ISV 196  
 Depth stay 197  
 Disconnecter cross-member ISV 192  
 Distribution enclosure VX25 70  
 Divider panel  
 – for module plates 107  
 Divider panel seal  
 – EMC 183  
 Door latch  
 – for bayed suites 111  
 Door stay for escape routes 138  
 Door-operated switch  
 – for LED system light 180  
 Drawer 127  
 – 482.6 mm (19" ) 142  
 Dust guard trim 146

## E

Earth clamp, EMC 185  
 Earth strap 188  
 Earthing braid 188  
 Earthing point, central 189  
 Earthquake base/plinth 187  
 Earthquake kit 187  
 Electronic enclosure VX25 68  
 EMC  
 – Cable gland 185  
 – Divider panel seal 183  
 – Earth clamp 185  
 – Gland plate 184  
 – Shield bus 184, 185  
 – Shielding bracket 184  
 – Shielding seal 183  
 – Side panel 183  
 Enclosure  
 – Key 132  
 Enclosure internal thermostat 182  
 Enclosure systems  
 – Baying enclosure system VX25,  
 sheet steel 54  
 – Baying enclosure system VX25,  
 stainless steel 75  
 – Fuse-switch-disconnector enclosure 73  
 – VX25 distribution enclosure 70  
 – VX25 electronic enclosure 68  
 – VX25, EMC enclosure 74  
 – VX25 modular enclosure 71, 72  
 – VX25 with glazed door 66  
 – VX25, IP 66/NEMA 4 69  
 – VX25, IP 66/NEMA 4X 79  
 Enclosures  
 – Door latch 111  
 – Fuse-switch-disconnector enclosure 73  
 – Isolator door cover 110  
 – VX25 distribution enclosure 70  
 – VX25 electronic enclosure 68  
 – VX25 EMC enclosure 74  
 – VX25 modular enclosure 71, 72  
 – VX25 with glazed door 66  
 – VX25, IP 66/NEMA 4 69  
 – VX25, IP 66/NEMA 4X 79  
 – VX25, sheet steel 54  
 – VX25, stainless steel 75  
 Entry grommets for cables 200  
 Entry grommets for connectors 200  
 Equipment support connector 197  
 Eyebolts 147

## F

Feet 98  
 Filter mat 96  
 Fold-out tray 142  
 – for keyboard and mouse 142  
 Front trim panels  
 – Bottom 126  
 – Top 126  
 Fuse-switch-disconnector enclosure 73

# Index

## G

Gland plates	100
– EMC	184
– for cable entry	149
Glazed door	120
Grommets	
– for cable entry	200
– for connector entry	200
Guide	
– for mounting plate	156

## H

Handle	
– Comfort handle AX	133
– for mounting plates	160
Hinge attachment	
– for partial mounting plate	159
Hinges	
– 180°	121, 212
– for side panel, screw-fastened, sheet steel	105
Holder	
– for cable conduit	207
– for protective bar	121
Hygrostat	182

## I

Identification strip	141
Inlay for plastic gland plate, modular and sealing frame, modular	203
Installation kit	
– for back-to-back mounting plates	155
– for swing frame, large	212
– for swing frame, small, and partial mounting plate	210
Installation modules ISV	190
IP 66/NEMA 4, VX25	69
IP 66/NEMA 4X, VX25	79
Isolator cap for screw head	205
Isolator door cover	110
ISV distribution enclosure VX25	70
ISV installation kit	190
ISV installation modules	190

## L

Large enclosures	
– Baying enclosure system VX25, sheet steel	54
– Baying enclosure system VX25, stainless steel	75
– VX25 distribution enclosures	70
– VX25 electronic enclosure	68
– VX25 modular enclosure	71, 72
– VX25 with glazed door	66
– VX25, IP 66/NEMA 4	69
– VX25, IP 66/NEMA 4X	79
LED system light	179
– Accessories	180
Levelling component	96
Levelling feet	98
Lights	
– LED system light	179
Lock components	120
Lock insert	131
Lockable and adjacent door	120
Locking bar latch	130

## M

Meter mounting board module ISV	194
Modular climate control concept	
– Climate control doors	123
– Cooling module	122
Modular enclosure VX25	71, 72
Modular front design	124
Module plates	108
Mounting angles	197
– C rail	169
Mounting bracket	171
Mounting clip	170
Mounting kit	
– Connection terminal block	192
– for LED system light	181
– Magnet	181
Mounting plate	
– Accessories	153
– Locatable	170
– Screw-fastened, large	171
– Screw-fastened, small	171
– with integral top-hat rail	171
Mounting plate attachment	
– Type A	153
– Type B	154
– Type C	155
Mounting plate infill	153
Mounting plate module ISV	191
Mounting plates	
– Cross-brace	156
– Mounting positions	152
– Slide rail	156
– Transport handle	160
Mousepad	
– Support	142
Multi-functional installation kit	156
Multiple lock	132
Multi-tooth screw	174, 214

## N

NH fuse-switch disconnecter module ISV	192
NH slimline fuse-switch disconnecter module ISV	193
Nut	173

## P

Paint	97
Partial assembly plate VX	162
Partial door	125
Partial mounting plate	157
Partial mounting plate holder	160
PE busbar	188
Perforated mounting strips	
– for partial doors	126
Plate	
– for base mounting	94
Pressure stoppers	
– for roof plates, for pressure relief	149
Primer/paint	
– Contact paint	185
Protective bar	121
Punched rail	
– 18 x 39 mm	168
Punched section with mounting flange	
– 14 x 39 mm	136
– 18 x 64 mm	166
– 23 x 64 mm	166
– 23 x 89 mm	167
Punched section without mounting flange, 23 x 64 mm	167

## Q

Quick-assembly block	172
Quick-fit baying clamp, one-piece	115

## R

Rail	
– for EMC shielding bracket and strain relief	184
Rail mounting bracket	173
Ride-up roller for door	138
Roof plate	148

## S

Safety lock	132
Screws	174, 214
Seal inserts for plastic gland plate, modular and sealing frame, modular	203
Sealing frame, modular	203
Section for cable entry	
– Centre	201
– Rear	201
Self-tapping screw	174
Serial installation device module ISV	191
Sheet steel	
– Baying enclosure system VX25, basic enclosure with glazed door	66, 67
– Baying enclosure system VX25, EMC enclosure	74
– Baying enclosure system VX25, fuse-switch-disconnector enclosure	73
– Baying enclosure system VX25, IP 66/NEMA 4	69
Shield bus, EMC	185
Shielding seal, EMC	183
Shipping brace	139
Side panel	
– EMC	183
– for cable chamber	97
– for top-mounting module	147
– Screw-fastened, sheet steel	104
– Screw-fastened, stainless steel	104
Slide rail	
– for mounting plate	156
– for swing frames	212
Slide rail VX	
– for adaptor section 482.6 mm (19")	214
Sliding panel	100
Socket box	
– for LED system light	181
Spacers	136
– for roof plate	147
Spare key	132
Stainless steel	
– Baying enclosure system VX25	75
– Viewing window	141
– VX25, IP 66/NEMA 4X	79
Stay	
– for door	138
– for door and escape routes	138
– for trim panel, hinged at the top	127
Stepped collar	204
Storage box	137
Strap, earth strap	188
Support	
– for mousepad	142
Support rail	
– 48 x 26 mm	169
– 65 x 42 mm	170
– 75 x 20 mm	169
– TH 35/15	170
– TH 35/7.5	170
Support rail module ISV	191
Support strip	168
Support/spacer bracket VX	95, 172
Swing frame	210
– 180° hinge	212
– Large	211
– Small	210
– Stay	212
System divider	99
System window	140

## T

T distributor for LED system light	180
Technical information	215 – 217
Thermostat	
– Enclosure internal thermostat	182
Threaded block	173
Top-mounting module	146
Transport and mounting handle	139
Transport bracket	116
Transport castors	
– for base/plinth VX	94
Transport handle for mounting plates	160
Trim panel	
– Bottom	126
– Hinged at the top	127
– Top	126
Trim panel attachment	96
Twin castors	98

## U

Utility lectern	136
-----------------	-----

## V

Viewing window	
– Stainless steel	141
VX25	
– Basic enclosure with glazed door	66
– Baying enclosure system, sheet steel	54
– Baying enclosure system, stainless steel	75
– Distribution enclosure	70
– Electronic enclosure	68
– EMC enclosure	74
– Enclosure, sheet steel	54
– Enclosure, stainless steel	75
– Fuse-switch-disconnector enclosure	73
– IP 66/NEMA 4	69
– IP 66/NEMA 4X	79
– Modular enclosure	71, 72

## W

Wall bracket	147
Washer, contact washer	189
Window	
– Viewing window	141
Windows	
– System window	140
Wiring bracket	196
Wiring plan lectern	137
Wiring plan pocket	
– Plastic	137
– Sheet steel	137
– with transparent pouch	138

We reserve the right to further developments and technical modifications of our products. Such modifications, along with errors and printing errata, shall not constitute grounds for compensation. We refer customers to our Terms of Sale and Delivery.

# Rittal – The System.

Faster – better – everywhere.

- Enclosures
- Power Distribution
- Climate Control
- IT Infrastructure
- Software & Services

You can find the contact details of all Rittal companies throughout the world here.



[www.rittal.com/contact](http://www.rittal.com/contact)

XWWW00145EN2401

ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES



FRIEDHELM LOH GROUP