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Technical System Catalogue VX25 Ri4Power



ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



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VX25 Ri4Power



The modular system for switchgear and power distributors

VX25 Ri4Power as a system for switchgear and power distributor systems, suitable for rated currents of up to 6300 A. The wide range of standard sections allows it to be customised to your individual requirements. Super-efficient assembly thanks to the small number of components and the use of standard copper bars. The VX25 Ri4Power switchgear system is project-planned using the Rittal Power Engineering configuration software, available as an online tool on the Rittal website. Once project planning is complete, the individual design verification can also be generated with this software.

What we offer

- Modular system for switchgear
- Rated voltage up to 690 V
- Rated current up to 6300 A
- Short-circuit protection up to 100 kA
- Simple assembly and fast contact with a comprehensive range of system accessories
- Also suitable for use in DC zones
- Standardised system packages for connection systems
- Design verification to IEC 61 439
- Accidental arc-tested to IEC 61 641

Your benefits

- Perfect system

ACB section

For the infeed and output of large currents into and from the switchgear. Air circuit-breakers are used to protect people and machines.

Cable chamber

For distributing cables and lines leading into or out of compartments, to provide cable management for outgoing sections. Cable entry is optionally from above or below.

Outgoing section

For the installation of circuits with switchgear, power supply outlets, controllers, switchgear units, fused outgoing feeders and much more, allowing circuits and controllers to be combined under one roof.

Fuse-switch disconnecter section

For compact, variable distribution of electric power with fused switchgear. Plug-type NH slimline fuse-switch disconnectors are used here, supported by vertical distribution busbar systems.

VX25 Ri4POWER

Modular section system for switchgear



Form 2b

As effective protection against accidental contact with the busbar. Designed as an internal sub-division of the busbar compartment into functional space and adjacent compartment.

Coupling section

For disconnecting or connecting busbar systems within low-voltage equipment. Also for maintaining machine and plant uptime, because individual sub-sections may be disconnected separately.

Tested safety

- The VX25 Ri4Power switchgear system is continuously type-tested to international standard IEC 61 439-1
- Tests with ASTA certification
- Protection category up to IP 54
- Tested accidental arcing protection to IEC 61 641
- Additional accidental arcing protection as a preventive measure

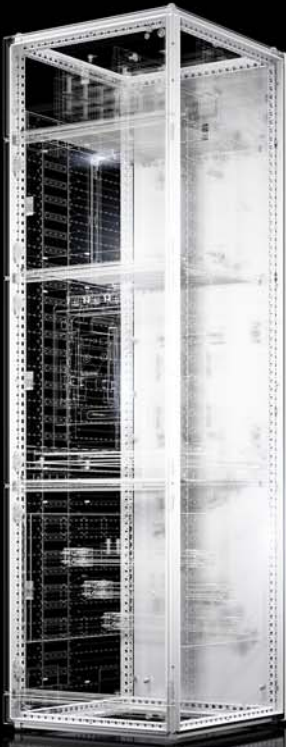


THE ACB SECTION

For protecting machinery and equipment

Air circuit-breakers protect machines, plant and people from damage and injury associated with short-circuits, earth faults and overloads.

- The VX25 Ri4Power is suitable for use with air and moulded-case circuit-breakers from all well-known manufacturers, including ABB, Eaton, General Electric, Mitsubishi, Schneider Electric, Siemens, LSIS and Terasaki.
- Modular continuity and a high manufacturing quality guarantee exceptionally time-saving assembly.
- Up to 6300 A, the busbar systems are dimensioned to your specific requirements with standard copper bars and individually configured.
- All drawings of connector kits and connection brackets for connecting air circuit-breakers may be generated and printed with the Rittal Power Engineering software so that all copper parts can be prepared for installation early in the process.



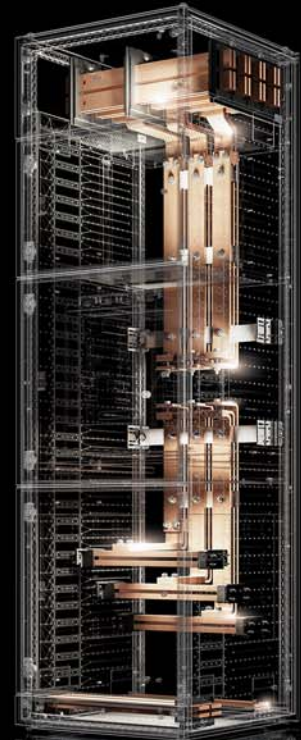
Basic framework

- Modular enclosure, 2000 mm high, from the VX25 baying enclosure system
- Base/plinth, 100 mm or 200 mm high, from the VX base/plinth system
- Base/plinth trim panel, side
- Side panel(s)
- Baying with bracket, block or connector
- Partial doors and front trim panels for modular front design
- Door lock(s) from the fastener system
- Roof plate depending on the protection category and function
- Cable entries



Compartment

- Compartment side panel
- Compartment dividers
- Partial mounting plates and accessories (depending on the type of Form separation)
- Air circuit-breaker mounting bracket and support rail



Busbar system

- Flat copper

VX25 Ri4Power

Circuit-breaker section

The following parameters must be known for dimensioning of the air circuit-breaker sections (ACB):

- The rated current of the circuit I_{nc} which the ACB outlet must be able to carry under the chosen conditions
- The protection category of the enclosure and type of cooling
- The design of the ACB: Rack-mounted or static installation
- The number of poles in the ACB (with switched or unswitched neutral conductor)
- The make and model of the ACB
- The mounting position of the ACB
- The rated voltage of the circuit
- The required withstand strength for the circuit and ACB

With the rated current of the circuit, the protection category and type of cooling, together with the make and model of the ACB, you can calculate the required unit size from tables 42 – 49.

With the choice of unit and other mechanical parameters, this produces the minimum size of the enclosure for the ACB. This information can likewise be found in tables 42 – 49 in the Appendix. For enclosures with internal Form separation, the minimum compartment height is derived from the rated voltage of the unit.

The mounting position of the ACB is divided into:

- Position VT (in front of door), i.e. the control components are facing outwards from the enclosure door, thus allowing the ACB to be operated without opening the enclosure door.
- Position HT (behind the door) means that the ACB including the control components are completely inside the enclosure. This means that for some switchgear positioned in front of the door, a version with a 600 mm enclosure depth would be possible, whereas for versions behind the door, only 800 mm deep enclosures are possible. A further restriction arises when using busbar systems in the rear section. Due to the set forward position of the connection kit of the main busbar system in relation to the ACB, some versions might only be possible in 800 mm deep enclosures, whereas with main busbar systems in the roof or rear centre

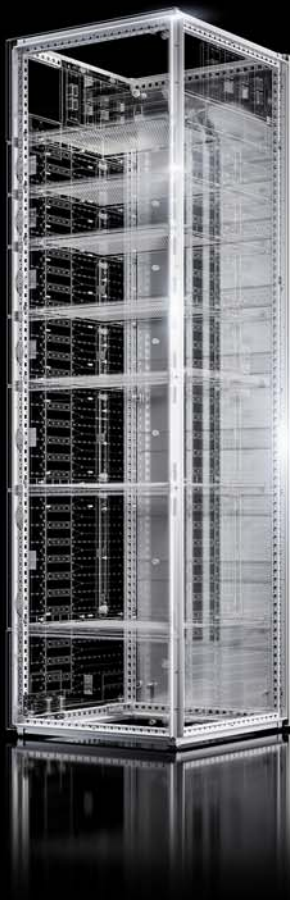


THE OUTGOING SECTION

To combine switching and control functions

In the outgoing section, many different components may be connected under one roof, such as power distributors with control units. To achieve this, individual compartments, shielded from one another, are created within the section.

- Each compartment is configured to suit your requirements with VX25 Ri4Power system components and then individually populated e.g. with switchgear, power supply outgoing feeders or control units.
- The busbar distribution system may be positioned adjacent to or behind the compartments and is easily and safely connected to the main busbar systems using system components.
- The fully modular busbar system can be used across all sections and compartments and is exceptionally straightforward to plan and install. It also offers extensive individualisation options with uncompromising consistency.



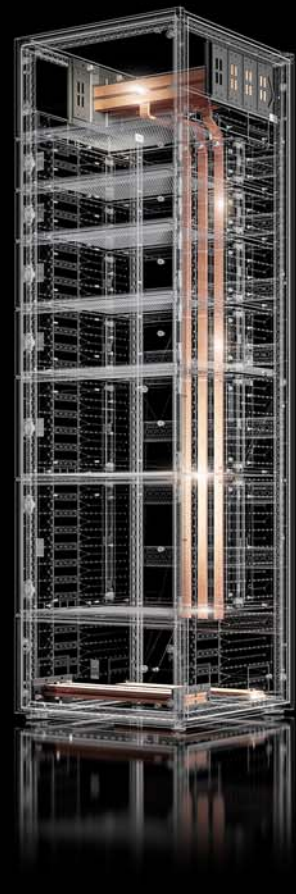
Basic framework

- Modular enclosure, 2000 mm high, from the VX25 baying enclosure system
- Base/plinth, 100 mm or 200 mm high, from the VX base/plinth system
- Base/plinth trim panel, side
- Side panel(s)
- Baying with bracket, block or connector
- Partial doors and front trim panels for modular front design
- Door lock(s) from the fastener system
- Roof plate depending on the protection category and function



Compartment

- Compartment side panel
- Compartment dividers
- Partial mounting plates and accessories (depending on the type of Form separation)
- Plastic gland plates
- Terminal box for Form 4b (depending on the type of Form separation)



Busbar system

VX25 Ri4Power

Modular outgoing feeder section

Modular outgoing feeder sections are used for the installation of circuits with

- Switchgear
- Power supply outgoing feeders
- Controllers, switchgear units
- Fused outgoing feeders
- etc.

in different compartments.

The rated currents can be distributed via integrated distribution busbar systems.

The following bar systems are available for selection as distribution busbar systems (see table 1). The rated currents I_{nc} of the distribution busbar systems are likewise dependent on the protection category and the type of cooling.



Table 1: Rated current I_{nc} of the distribution busbar system in modular outgoing feeder sections

Bar type	Minimum enclosure width		Rated current I_{nc}			
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VX25 Ri4Power

Modular outgoing feeder section

Selection and installation of moulded-case circuit-breakers (MCCB)

The following parameters must be known for the selection of MCCBs:

- The rated current of the circuit I_{nc} which the MCCB must carry under the chosen conditions
- The rated diversity factor RDF for this outgoing feeder or the system
- The protection category of the enclosure and type of cooling
- The design of the MCCB: Rack-mounted, plug-in or static installation
- The number of poles in the MCCB (with switched or unswitched neutral conductor)
- The make and model of the MCCB
- The rated voltage of the circuit
- The required breaking capacity of the MCCB.

With the rated current, the protection category and type of cooling, together with the make and model of the circuit-breaker, you can calculate the required unit size from tables 50 – 57.

With the choice of unit and other mechanical parameters, this produces the minimum size of the enclosure/compartment for installation of the MCCB. This information can likewise be found in tables 50 – 57. For enclosures with internal Form separation, the minimum compartment size is derived from the rated voltage of the circuit.

Testing has verified that moulded-case circuit-breakers from ABB, Eaton, General Electric, Mitsubishi, Schneider Electric, Siemens, LSIS and Terasaki may be used. The information provided in tables 50 – 57 applies to the choice of connection cross-sections. If Rittal has not made any particular stipulations regarding the required clearance at the sides, above and below the circuit-breakers, the equipment manufacturer's specifications should be observed.

A detailed diagram showing connection options for MCCBs can be found in the valid VX25 Ri4Power assembly instructions.



FORM 2B

To ensure optimum contact hazard protection

The Form 2b designed as internal separation shields the busbar compartment from the functional space and the connection space.

- All active parts are safe from finger-contact in line with IP 2X.
- When working in the functional space or connection space, the modular, width-flexible cover provides effective protection from contact with the busbars.
- Shielding to Form 2b also protects the equipment, by preventing the unwanted ingress of foreign bodies into the busbar compartment.
- Convenient plug-in and clip-in technology enables simple assembly of all components with no drilling required.

VX25 Ri4Power

Fuse-switch disconnecter section

The fuse-switch disconnecter sections for NH slimline fuse-switch disconnectors with 185 mm bar centre distance on horizontal busbar systems in the rear section have only been tested by Rittal with Rittal NH slimline fuse-switch disconnectors and meet the requirements of IEC 61 439-2.

It is possible to use NH slimline fuse-switch disconnectors from other manufacturers. However, these have not been tested to the standard by Rittal.

The maximum admissible rated operating current of the NH slimline fuse-switch disconnectors with due regard for the NH fuse insert used and the minimum connection cross-section may be taken from table 3 below.

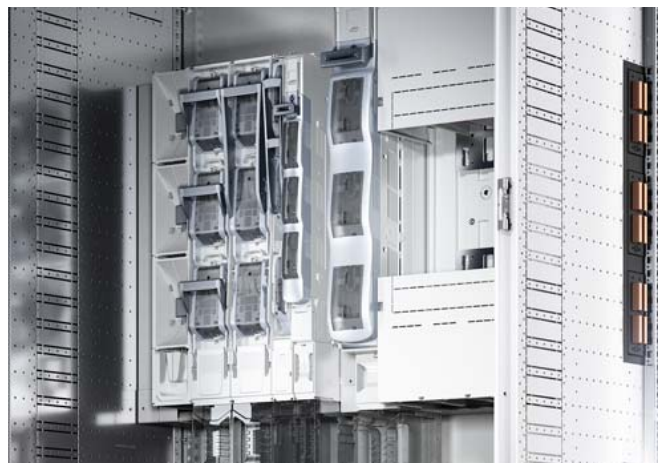


Table 3: Rating data for NH slimline fuse-switch disconnectors

Size	Max. device rated current I_n	Rated current of fuse I_{n1}	Max. rated current I_{nc}	Minimum connection cross-section
Size 00	160 A	up to 20 A	= I_{n1}	2.5 mm ²
Size 00	160 A	25 A	= I_{n1}	4 mm ²
Size 00	160 A	35 A	= I_{n	

VX25 Ri4Power

Fuse-switch disconnecter section

The admissible rated operating current I_{nc} of the installed devices depends on the type of protection of the system and the number of devices. Details can be taken from the following table.

Table 4: Data table of the rated values for currents

Model No.	Designation	Type	Device I_n		IP2X vent. 1)	IP2X	IP54 vent. 1)	IP54	Heat loss device
SV 9677.770	Adaptor ABB ²⁾	XT5L	630	I_{cc} 100 kA	630	530	630	490	–
SV 9677.710	Adaptor ABB ²⁾	XT7	1600	I_{cc} 70 kA	1440	1200	1440	1100	–
SV 9677.770	Adaptor Eaton ²⁾	NZM3	630	I_{cc} 100 kA	630	580	630	550	–
SV 9677.710	Adaptor Eaton ²⁾	NZM4	1600	I_{cc} 85 kA	1540	1370	1540	1220	–

VX25 Ri4Power

Fuse-switch disconnecter section

Table 7: NH slimline switch-disconnectors, size 00 to 3 (185 mm)

Model No.		9677.065 9677.075	9677.165	9677.265	9677.365
Size (NH fuse inserts to IEC/EN 60 269-2)		00	1	2	3
Rated operating current I _e		160 A	250 A	400 A	500 A
Rated operating voltage U _e		690 V AC	690 V AC	690 V AC	690 V AC
Rated insulation voltage U _i		1000 V	1000 V	1000 V	1000 V
Rated impulse withstand voltage U _{imp}		8 kV	12 kV	12 kV	12 kV
Contamination level		3	3	3	3
Overvoltage category at 1000 V		IV	IV	IV	IV
Overvoltage category at 690 V		III	IV	IV	IV
Rated frequency		50 – 60 Hz	50 – 60 Hz	50 – 60 Hz	50 – 60 Hz
Conditional rated short-circuit current (when protected with fuse inserts)	at 500 V AC	120 kA	120 kA	120 kA	120 kA
	at 690 V AC	100 kA	100 kA	100 kA	100 kA
	at 800 V AC	30 kA ¹⁾	50 kA ²⁾	–	50 kA ³⁾
Utilisation category	400 V AC	AC-23B	AC-23B	AC-23B	AC-23B
	500 V AC	AC-23B	AC-23B	AC-23B	AC-23B
	690 V AC	AC-23B	AC-23B	AC-23B	AC-23B
	800 V AC	AC-22B ¹⁾	AC-22B ²⁾	–	AC-22B ³⁾
	1000 V DC	DC-20B	DC-20B	DC-20B	DC-20B ⁴⁾
Mechanical life (switching cycles)		1400	1400	800	800
Contact hazard protection – operating area max.		IP30	IP30	IP30	IP30
Siting conditions		Indoor siting: Humidity 50% at 40°C or 90% at 20°C (without condensation due to temperature fluctuations) to IEC/EN 60 947-1, section 6 and pollution degree 3			
Admissible ambient temperature for shipping and storage		-25 °C...+55 °C			
PV max/fuse insert		12 W	32 W	45 W	48 W

¹⁾ Size 00 (63 A, gG)

²⁾ Size 1 (160 A, gG)

³⁾ Size 3 (315 A, gG)

⁴⁾ Size 3 (500 A, gG)



Fuse-switch
Double break



THE COUPLING SECTION

For maintaining fail-safe operation

The coupling section is a combination of an air circuit-breaker section with a busbar riser positioned optionally on the left or right.

- This allows individual busbar sections to be de-energised without switching off the entire system. This avoids total system failures during malfunctions or maintenance work, and maintains system availability, especially for systems with multiple power supplies.
- With the VX25 Ri4Power, comprehensive, stable partitioning allows busbar sections to be safely disconnected. The high safety standards of the coupling section permit less stringent requirements for overall short-circuit resistance.
- The parts, accessories and required work steps are largely the same as when assembling the circuit-breaker section. The system synergies mean that assembly time is significantly reduced, while also offering major cost-saving potential.

VX25 Ri4Power

Coupling section

Coupling switch sections (also known as busbar couplings with air circuit-breakers ACB) separate or connect different busbar systems in low-voltage switchgear and controlgear assemblies. In the VX25 Ri4Power modular system, these coupling switch sections are comprised of a riser section and a circuit-breaker section for ACBs.

Due to the similarity of the two section types, the following selection criteria are virtually identical to those for a circuit-breaker section.

The following parameters must be known for dimensioning of the coupling switch sections for air circuit-breakers (ACBs):

- The rated current of the circuit I_{nc} which the coupling switch section must carry under the chosen conditions
- The protection category of the enclosure and type of cooling
- The design of the ACB: Rack-mounted or static installation
- The number of poles in the coupling switch (with switched or unswitched neutral conductor)
- The make and model of the ACB
- The mounting position of the ACB
- The rated voltage of the circuit
- The required short-circuit withstand strength for the coupling switch.

With the rated current of the circuit, the protection category and type of cooling, together with the make and model of the ACB, you can calculate the required unit size from tables 42 – 49.

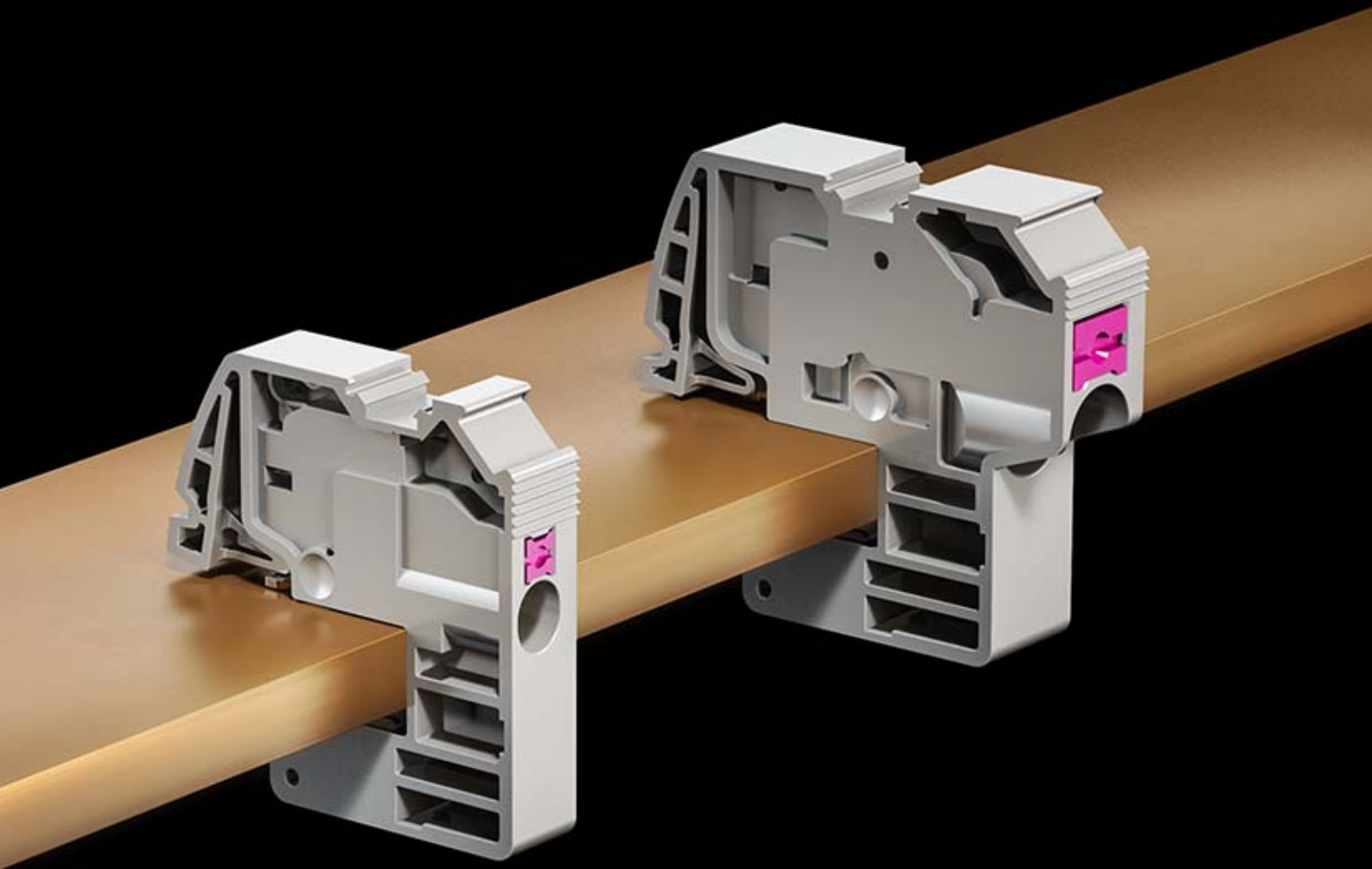
With the choice of unit and other mechanical parameters, this produces the minimum size of the enclosure for the circuit-breaker section. This information can likewise be found in tables 42 – 49. For enclosures with internal Form separation, the minimum compartment height is derived from the rated voltage of the unit.

The mounting position of the ACB is divided into:

-

Push-in conductor connection clamps

Simple, tool-free cable connection





THE FUSE-SWITCH DISCONNECTOR SECTION

For a reliable power supply

Distributing electrical energy as compactly as possible with maximum variability using fused switchgear – that is the task of the fuse-switch disconnecter section.

- The VX25 Ri4Power modular switchgear system is fully prepared for fast, safe installation of fuse-switch disconnectors, sizes 00 to 3, from Jean Müller or ABB/Siemens.
- The distribution busbars are economically dimensioned to meet the individual requirements. The main and distribution busbar systems can be configured for a short-circuit rating of up to 100 kA for 1 sec.
- Form 1 to Form 4b internal sub-division in the fuse-switch disconnecter section, depending on customer requirements, is achieved via the optional selection of components.

THE CABLE CHAMBER

For distributing cables and lines

The cable chamber is used for routing cables and lines to the compartments.

- The extensive range of VX25 Ri4Power system accessories ensures exceptionally time-saving and flexible configuration.
- Depending on the main busbar system chosen, cable entry may be either from below, above, or below and above.
- Choose from a range of cable entry glands for the roof plate.

VX25 Ri4Power

Fuse-switch disconnecter section

The fuse-switch disconnecter sections with vertical distribution busbar systems are suitable for accommodating plug-type NH slimline fuse-switch disconnectors of the following brands:

- ABB, type Slimline XR and XR gold
 - Jean Müller, type Sasil plus symmetrical
 - Siemens, type 3NJ
- and
- Device modules from Jean Müller

The distribution busbar system may be configured with the following bar dimensions (see table 8). Resulting from this, the allocated rated currents I_{nc} with a maximum protection category IP3X for this section type may be used:

Table 8: Rated current I_{nc} and short-circuit withstand strength I_{cw} of the vertical distribution busbar in the NH slimline fuse-switch disconnecter section

Dimensions of busbars	Max. rated current: I_{nc}	Rated short-circuit withstand strength I_{cw} with support spacing 300 mm	Rated short-circuit withstand strength I_{cw} with support spacing 500 mm
60 x 10 mm	1250 A	75 kA, 1 sec.	50 kA, 1 sec.
80 x 10 mm	1600 A	85 kA, 1 sec.	60 kA, 1 sec.
100 x 10 mm	2100 A	100 kA, 1 sec.	70 kA, 1 sec.

The rated currents I_{nc} also apply to the protection category IP2X. The switchgear manufacturer's current specifications determine the maximum packaging density when populated with NH slimline fuse-switch disconnectors. The NH slimline fuse-switch disconnectors sizes 00 to 3 should be arranged from top to bottom (top = small sizes).

The maximum admissible rated operating current of the NH slimline fuse-switch disconnectors depending on the NH fuse insert used and the minimum connection cross section may be taken from the table below.

Table 9: Rating data for NH slimline fuse-switch disconnectors from ABB/Jean Müller

Size	Max. device rated current I_n	Rated current of fuse I_{n1}	Max. rated current I_{nc}	Minimum connection cross-section
Size 00	160 A	up to 20 A	= I_{n1}	2.5 mm ²
Size 00	160 A	25 A	= I_{n1}	4 mm ²
Size 00	160 A	35 A	= I_{n1}	6 mm ²
Size 00	160 A	50 A	= I_{n1}	10 mm ²
Size 00	160 A	63 A	= I_{n1}	16 mm ²
Size 00	160 A	80 A	= I_{n1}	25 mm ²
Size 00	160 A	100 A	= I_{n1}	35 mm ²
Size 00	160 A	125 A	= I_{n1}	50 mm ²
Size 00	160 A	160 A	= I_{n1}	70 mm ²
Size 1	250 A	160 A	= I_{n1}	Cf. size 00
Size 1	250 A	224 A	= I_{n1}	95 mm ²
Size 1	250 A	250 A	= I_{n1}	120 mm ²
Size 2	400 A	200 A	= I_{n1}	Cf. size 00 – 1
Size 2	400 A	224 A	= I_{n1}	120 mm ²
Size 2	400 A	250 A	= I_{n1}	120 mm ²
Size 2	400 A	315 A	= I_{n1}	185 mm ²
Size 2	400 A	400 A	= I_{n1}	240 mm ²
Size 3	630 A	315 A	= I_{n1}	Cf. size 00 – 2
Size 3	630 A	400 A	= I_{n1}	240 mm ²
Size 3	630 A	500 A	= I_{n1}	2x 150 mm ²
Size 3	630 A	630 A	= I_{n1}	2x 185 mm

VX25 Ri4Power

Fuse-switch disconnecter section

The rated diversity factors are calculated according to the number of outgoing feeders used per section (in accordance with IEC 61 439-2, table 101).

Table 10: Rated diversity factor RDF of NH slimline fuse-switch disconnectors from ABB/Jean Müller depending on the number of NH slimline fuse-switch disconnectors per section

No. of NH slimline fuse-switch disconnectors	Rated diversity factor RDF
2 and 3	0.9
4 and 5	0.8
6 to 9	0.7
10 or more	0.6

The enclosure depth and enclosure height are irrelevant to the diversity of the section outgoing feeders. The section dimensions and the width of the cable chamber may therefore be selected independently of the section diversity.

Depending on the main busbar system chosen, it may be necessary to use enclosures with an enclosure depth of 800 mm.

Fuse-switch disconnecter sections with a vertical distribution busbar system from the modular VX25 Ri4Power range are comprised of VX25 enclosures with Form-separated, variable configuration and inner compartmentalisation in a modular design and other required system accessories.

In line with testing to the valid standard, only the aforementioned brands may be used.

The main busbar system may optionally be installed in the roof or rear centre section.

The detailed configuration of the fuse-switch disconnecter sections with vertical distribution busbar system may be found in the valid VX25 Ri4Power assembly instructions.

Note:

The equipment manufacturer's specifications must be observed.

Cable chamber

The cable chamber is designed for the cable management of outgoing feeder sections. Bayed to the side of the modular enclosure, it is used to route the cables and also for insertion into the individual compartments. The cable chamber may also be used independently of the modular enclosure inside VX25 Ri4Power systems for general cable management.

The use of Form 4b connection spaces is mandatory for compliance with Form 4b. Form 4b connection spaces are fitted onto the side panel modules of the compartments of modular outgoing feeder sections. For this reason, when planning a combination of a modular outgoing feeder section and a cable chamber, it is expedient to consider them as one transport unit.

For inner compartmentalisation with Form 2b, 3b, 4a and 4b, the main busbar system routed through the cable chamber should be separated by covers. Depending on the configuration of the entire system, the main busbar system of the cable chamber may be routed in the roof section.

If an enclosure variant with forced ventilation is chosen, with a cable chamber bayed to the side of a modular enclosure, a vented roof plate must not be used, as this would prevent ventilation of the modular enclosure compartment.

A detailed configuration of the cable chambers can be found in the valid VX25 Ri4Power assembly instructions.

Note:

The equipment manufacturer's specifications must be observed.

VX25 Ri4Power

Distribution busbar section

The distribution busbar section is used for the vertical routing of busbars within a section, e.g. for supplying power to adjacent modular panels.

- With its extensive range of connection parts, the VX25 Ri4Power System supports the quick and easy connection of many different conductor materials
- A very narrow construction width of just 400 mm is supported
- The busbar positions of the main and distribution busbars are maintained

The distribution busbar section with a vertically routed busbar system should only be fitted with a distribution busbar system with an identical design to the main busbar system. Furthermore, this section type is only possible for low-voltage systems with a main busbar system in the roof section.

For dimensioning the distribution busbar section with a vertically routed busbar system, the following parameters must be known:

- Model and configuration of the main busbar system
- The required rated current I_{nc} for the vertical distribution busbar system under the selected conditions
- The protection category of the enclosure and type of cooling
- The required short-circuit resistance of the distribution busbar system

When designing the short-circuit withstand strength for the distribution busbar system, the standard states it is admissible to reduce the short-circuit withstand strength compared with the main busbar system, so that it is still greater than the on-state values of the protective devices connected downstream.

For the rated current I_{nc} of the distribution busbar system, the specified rated values should be applied for use as a main busbar system, with due regard for the enclosure protection category and cooling.

A detailed configuration can be found in the valid VX25 Ri4Power assembly instructions.

Note:

VX25 Ri4Power

Riser section

The riser section is used to relocate the position of the main busbar system from the roof to the rear, and vice versa.

- Simple, fast assembly with functional bar supports
- The use of standard copper busbars helps to significantly reduce costs
- The full range of VX25 Ri4Power system accessories is also available

The following parameters must be known:

- Model and configuration of the main busbar system
- Enclosure protection category and type of cooling

Busbar risers from the modular VX25 Ri4Power system are comprised of VX25 enclosures with inner separation in a modular design and other required system accessories. With this section type, the main busbar system can link the busbar positions in the roof section or rear section together.

A detailed configuration can be found in the valid VX25 Ri4Power assembly instructions.

Note:

The equipment manufacturer's specifications must be observed.



VX25 Ri4Power

Blank section

To accommodate reserves

The empty panel only contains the main busbar system for the central roof or rear section and is used for retro-fitting components.

- Supports enclosure width from 400 mm to 1200 mm
- The full range of VX25 Ri4Power system benefits are available to use



VX25 Ri4Power 185 Compact – for more reliable power distribution

The VX25 Ri4Power 185 Compact busbar system for rated currents of up to 2100 A provides ideal requirements for the compact, secure assembly of power distributors with due regard for financial aspects and the requirements of standard IEC 61 439.

The system technology is based on 185 mm bar centre distance and facilitates fast, reliable installation using standardised components and simple assembly techniques. Many items are available in sets to suit any enclosure width, and include all the necessary components for configuring the system in the enclosure, including the contact hazard protection cover plate. The busbar support is positioned using the system attachments to avoid any loss of configuration space. The entire enclosure width is available to use. Other user-friendly features include no-drill assembly and simple adaptation to various bar cross-sections. Allowance is also made for the arrangement of the busbars, with full integration into the contact hazard protection system.

The VX25 Ri4Power 185 Compact busbar system is project planned using the Rittal Power Engineering configuration software, available as an online tool on the Rittal website. Once project planning is complete, an individual design verification is easily generated with this software.

IT INFRASTRUCTURE

SOFTWARE & SERVICES



