## Rittal - The System.

Faster - better - everywhere.

# VX25 Ri4Power

The switchgear and power distribution system for the VX25





#### System perfection. Solutions from Rittal.

The future is shaped by innovative companies with the ability to supply smart solutions to their partners in industry, mechanical & plant engineering and IT. Rittal are global market and innovation leaders, and expert problem-solvers. Based on our performance promise "faster – better – everywhere", we provide our customers with comprehensive support along the entire value chain, to gain a crucial competitive edge.

Best proof: the VX25. A large enclosure built to Industry 4.0 standards for world-class, digitally networked technology. The perfect solution to accommodate demands for increased productivity and assembly speed, and further proof that our passion and inventiveness create sustainable solutions that take our customers to the cutting-edge of technology.

Now we have upped our innovation game once more, with a comprehensive overhaul of the entire VX25 Ri4Power modular system. Now more efficient, even faster and stronger than ever before, it is the ultimate future-proof solution. VX25 Ri4Power – ready for your challenges.

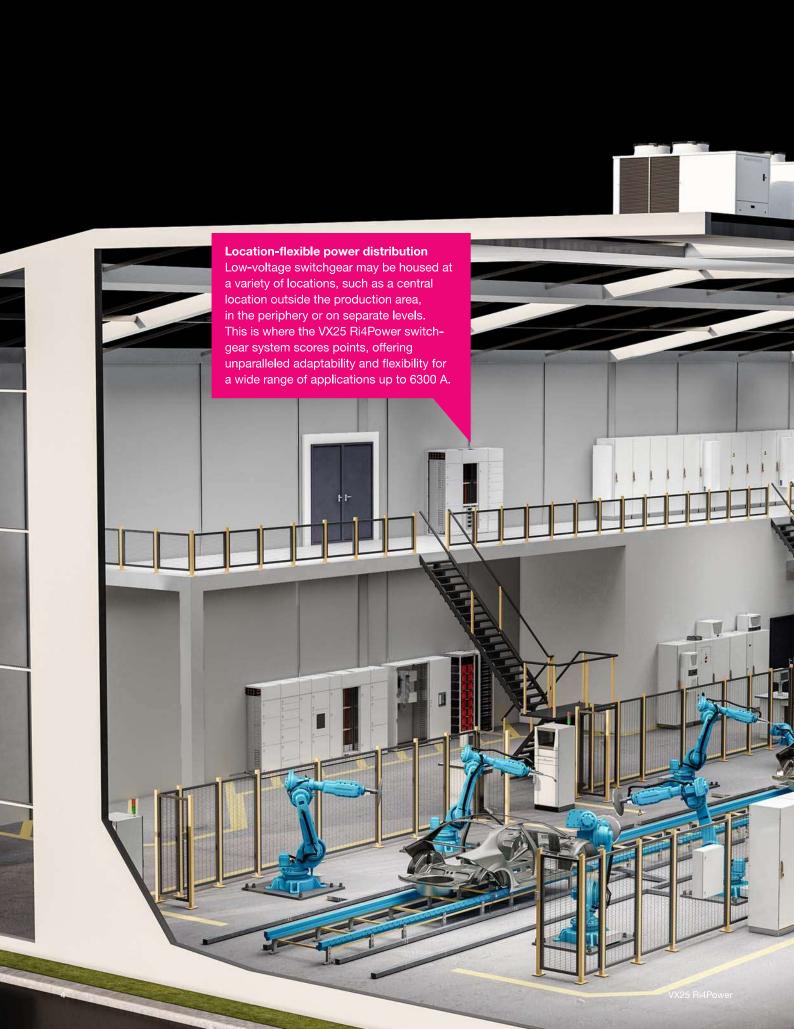


#### For protecting machinery and equipment

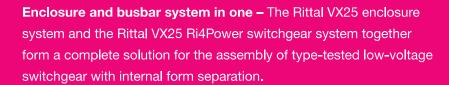
Air circuit-breakers protect machines, plant and people from damage and injury associated with short-circuits, earth faults and overloads.

- The VX25 Ri4Power is suitable for use with open and compact 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 circuitbreakers 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.

VX25 Ri4Power 3



# THE COMPLETE SOLUTION



**Faster, stronger, more efficient –** VX25 Ri4Power is the perfect solution for applications up to 6300 A. Project planning is child's play with the user-friendly Power Engineering software. Fast assembly with up to 50% time savings. The optimised arrangement of busbars translates into impressive copper savings. That's Rittal system efficiency!

### Switching and control under one roof

VX25 Ri4Power unites power distribution and control technology in a single enclosure.

The continuous modular system allows each enclosure panel to be flexibly subdivided into individually configurable busbar compartments, functional units and connection areas to Form 2-4, for a time-saving solution.

#### **ACB** section

12 12

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 disconnector section**

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



## THE SECTION TYPES

#### Modular section system

The VX25 Ri4Power allows you to create different sections within a switchgear or power distribution system to perform these tasks.

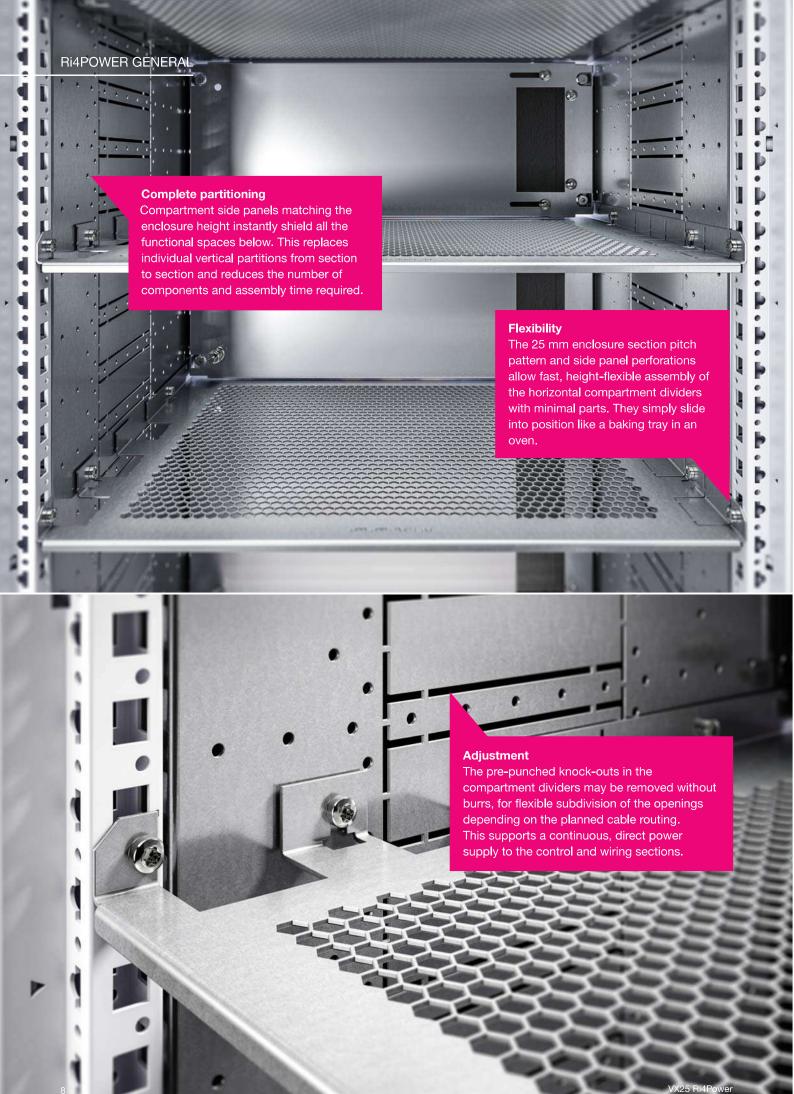


#### **Tested safety**

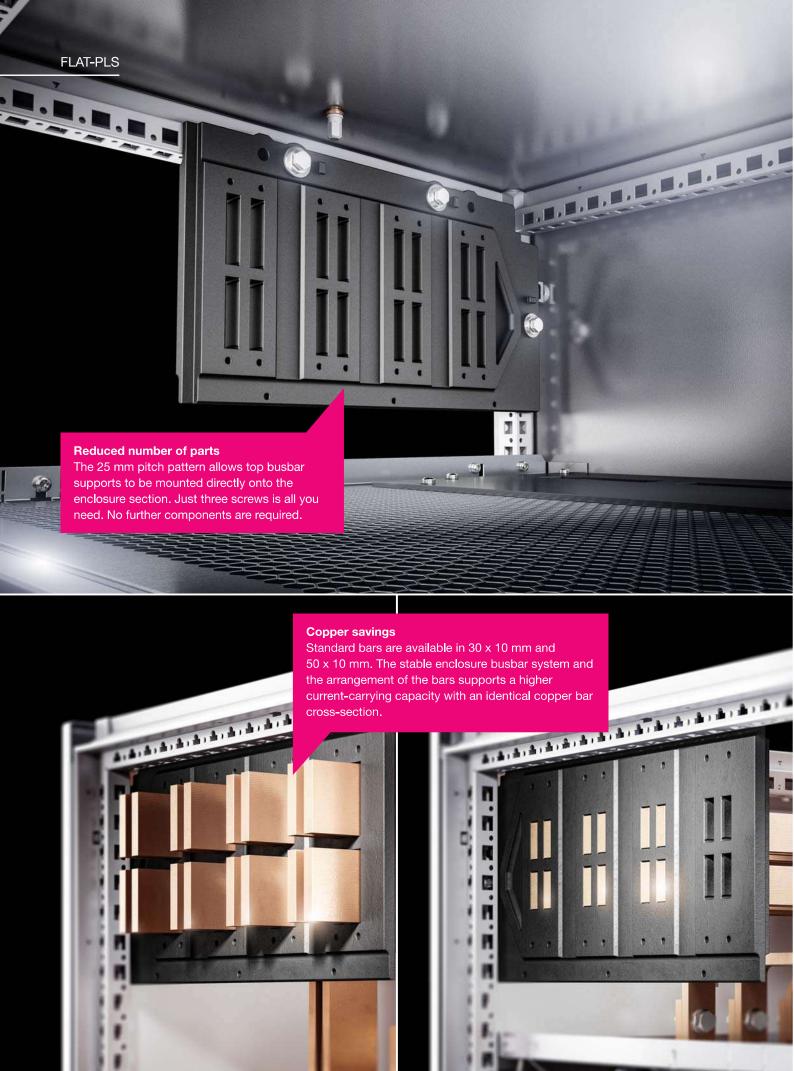
- The VX25 Ri4Power switchgear system is continuously type-tested to international standard IEC 61 439-1 and -2
- Tests with ASTA certification

- Protection category up to IP 54
- Tested accidental arcing protection to IEC 61 641
- Additional accidental arcing protection as a preventive measure

VX25 Ri4Power 7







VX25 Ri4Power



#### Immediate machining

The standard 50 x 10 mm copper bars are already pre-punched and cut to length, to match the enclosure widths. They may be fitted directly without machining.



through 180° around its vertical

#### **Fast attachment**

The open busbar support can additionally accommodate the quickrelease fastener for simple, fast



# **Bar termination** The solid bar support is used as a termination.

#### Health and safety at work

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

#### **Stability**

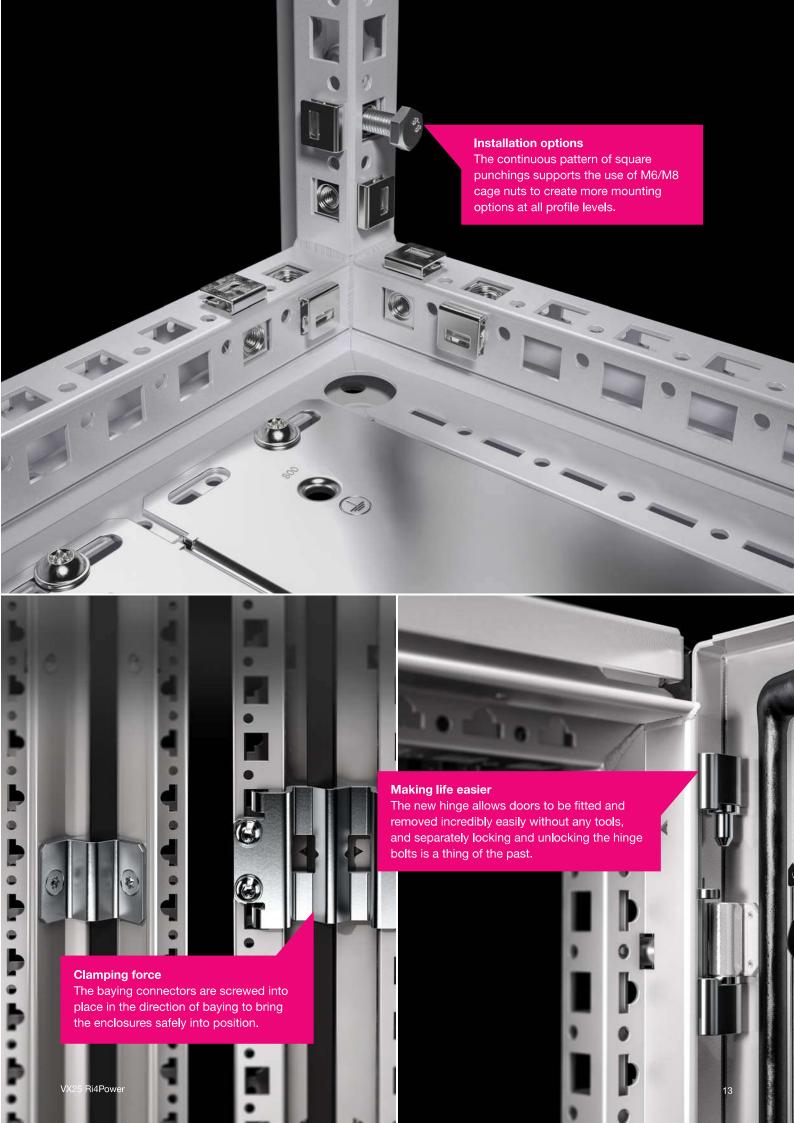
The seamlessly laser-welded, rolled enclosure profile ensures optimum force transmission on installed equipment.

#### Stability

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

#### Making life easier

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.





## **VX25 POWER ENGINEERING**

#### The ultimate in user-friendly planning

Our Power Engineering planning tool heralds a new era. Just like the underlying VX25, our VX25 Power Engineering planning software sets new standards when planning low-voltage switchgear. The Web-based tool guides users quickly and efficiently through the entire planning process in simple, logical steps.

#### The benefits to you:

- The Web-based application ensures up-to-the-minute planning data
- System configuration in either a simplified or detailed version
- Parts list and assembly based on a specific set of rules
- Automatic calculation and documentation of the copper busbars
- Generation of a design verification to IEC 61 439
- System documentation including assembly instructions
- Order immediately via a direct link to the online webshop
- Technical service support, including free assistance with project planning and quote preparation
- All planning data stored locally on your computer



## 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

IT INFRASTRUCTURE SOFTWARE & SERVICES

**ENCLOSURES** 

> POWER DISTRIBUTION > CLIMATE CONTROL