

Rittal – The System.

Faster – better – everywhere.

Ri4Power – Power Distribution Solutions

Enclosures for PCC & MCC with Aluminium Busbar System



Design
Verification
to
IEC 61439 – 1 & 2,
Edition 3,
2020

ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

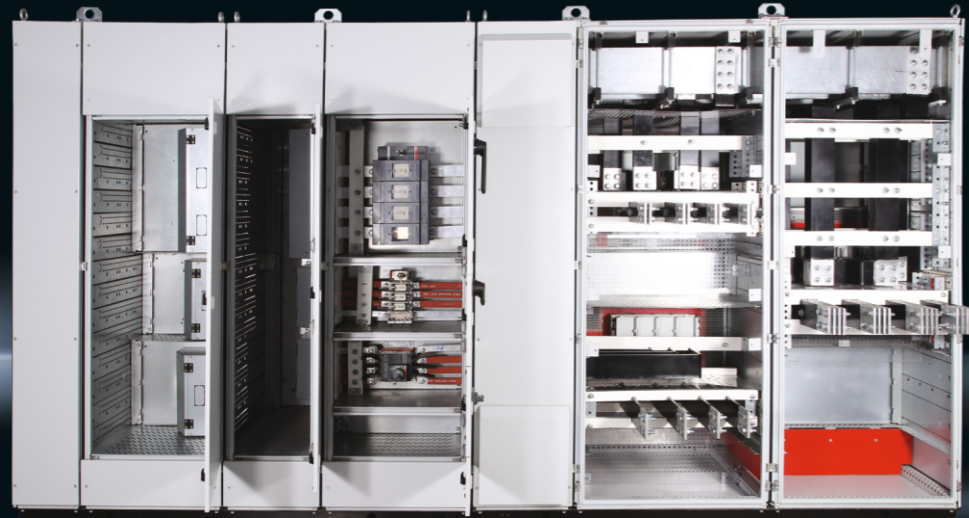
IT INFRASTRUCTURE

SOFTWARE & SERVICES



FRIEDHELM LOH GROUP

Ri4Power Form 1 to Form 4 – Universal Design at its best



The Rittal TS 8 platform:

When safe and efficient power distribution is needed – Rittal Ri4Power is the answer. Made of 16 fold profile frames, with a cross section thickness of 3 mm, Ri4Power is one of the most versatile, reliable, rugged and safe enclosure solutions in the Indian Market. The Ri4Power enclosure system makes it possible to construct any type of low voltage switchboard.

The TS 8 enclosures can be combined to form Power Control Centres (PCC), Motor Control Centres (MCC) and sub distribution boards (DB) in fixed execution for installation in industry & utilities. They have been designed to accommodate leading brands of circuit breakers and switchgear that proliferate the market. They are also flexible to meet the executional design requirements of panel integrators.

Process Industry

Sewage Treatment Plants
Heavy Industry (Mining, Iron, Steel)
Cement Plants
Waste Disposal Industry
Paper Industry
Chemicals, Petrochemicals
Pharmaceutical Industry

Industrial Plants

Automotive Industry
Mechanical Engineering
Shipbuilding, Marine Engineering

Energy Generation

Small Power Plants
Wind and Solar Power
Biomass Power Plants

Buildings, Infrastructure

Airports
Metro Transportation
Data Centres
Banks & Insurance Companies
Hospitals
Commercial Buildings
Festival Halls & Exhibition Centres

...and many more

Rittal Ri4Power Aluminium Solution offers the advantage of having the world's best enclosure system along with a choice of leading switchgear brands like ABB & Schneider.

Ri4Power Enclosures

Ri4Power Form 1 to Form 4

Modular Enclosure System

- Based on TS 8 platform
- Modular, flexible & scalable design
- Enclosure with highest static load capacity of more than 1400 kg
- Modular compartment configuration for internal compartmentalisation up to Form 4b Type 7
- Simple installation & friendly system assembly
- Structured system solution to suit makes of switchgear like ABB and Schneider

Technical Specifications

- Rated Voltage - 415 V
- Rated current for Aluminium Busbars up to **6,300 A**
- Short circuit current rating for Aluminium Busbars up to **80 kA/sec**
- Protection Category up to **IP 54**
- Form of Separation up to **Form 4b, Type 7**
- Mechanical impact up to **IK 10**
- Panels tested and suitable for two tier ACB design
- Tested Solution for double front design
- Lowest aluminium cross section requirement for a rated current, compared to available solutions in the market

Safety

- Design verification to **IEC 61439 – 1&2, Edition 3, 2020**
- Tested and certified by Intertek ASTA
- Enclosures tested for accidental arcing protection as per IEC 61641

Ease of planning with power engineering software

- Configuration of low voltage switchgear with design verification
- Generation of parts list with graphical output
- Automatic generation of assembly plan



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- Enclosures
- Power Distribution
- Climate Control
- IT Infrastructure
- Software & Services
- Rittal Automation Systems - Tools and Panel Preparation Machines

Authorized Channel Partner

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