

Rittal – The System.

Faster – better – everywhere.

► **Motor Control Panel (MCP)** Modular, Flexible, Safe! New MCP up to Form 4!



ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

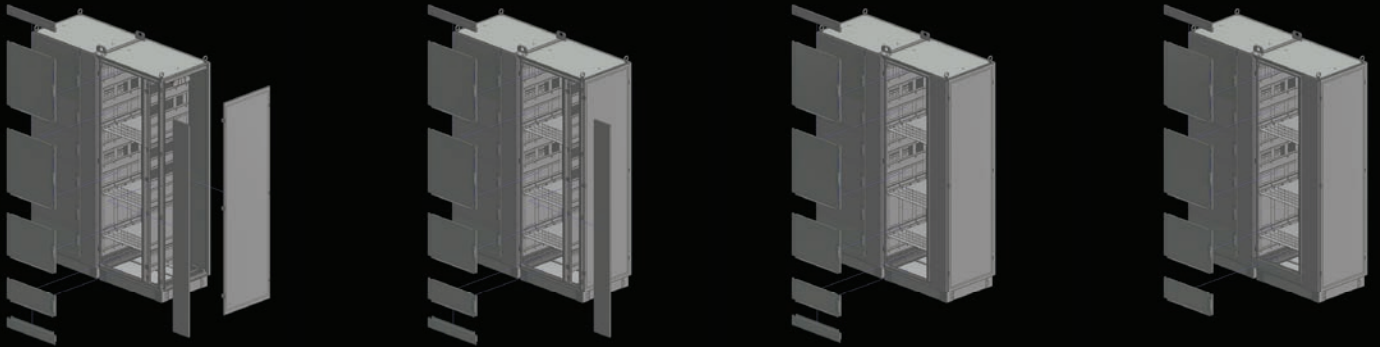
IT INFRASTRUCTURE

SOFTWARE & SERVICES



FRIEDHELM LOH GROUP

New Rittal Motor Control Panel



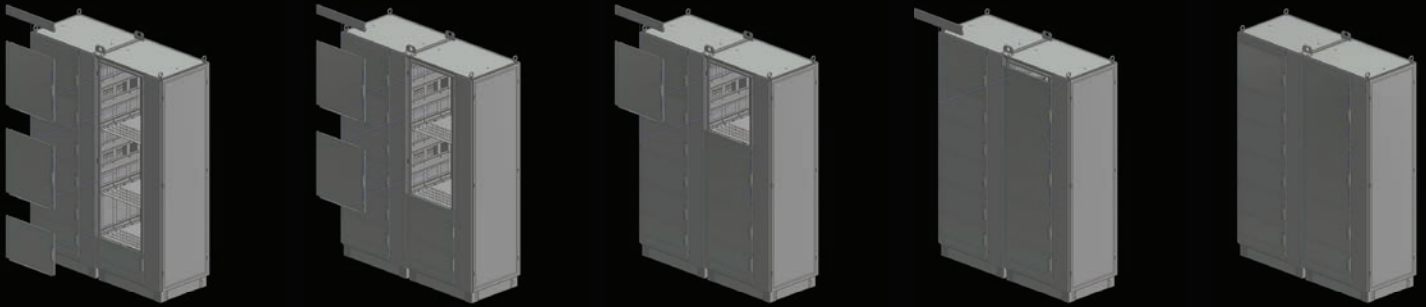
Exploded View of the

Based on proven TS 8 architecture, the perfect solutions to address motor control, power management and quality control challenges

Rittal's MCP is constructed from the world-leading TS 8 range of enclosures offering a totally modular construction.

Designed, engineered and manufactured to meet the needs of Canadian specifiers and contractors, the modular design enables easy configuration and short delivery times.





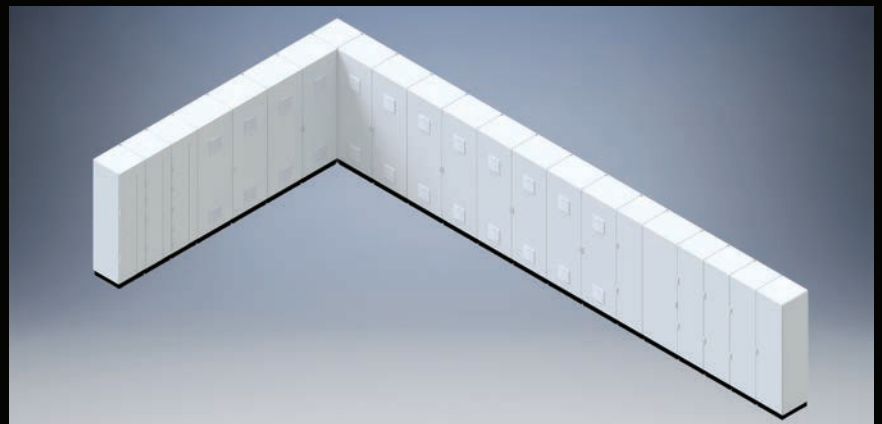
Rittal Motor Control Panel

Our MCP Solutions offer many functional and financial advantages. However, purchasing decisions are often driven by acquisition costs, and in some cases, the belief that these solutions are inherently more expensive.

When specifications for control panels and other applications are written, the true costs and benefits of utilizing one enclosure solution over another must be fully considered—especially in today’s economic climate where every penny counts.

Rittal’s new MCP solution offers many benefits such as Speed of design and build, Customization from standard parts, Flexibility of design, Cost-effective integrated solution, Self-configuration possibility with EPlan, Direct Support from the manufacturer and more.

This Guide will show you how.



MCP Solution

Invented here. Perfected here.



MCP



VS.



MCC

Rittal	Advantage	Features	Typical MCC Solution
3-5 days	Ability to engineer with Power Engineering	Engineering Time	7-10 days
7-9 weeks	Speed of delivery of the integrated solution from concept to completion	Lead Time	12-15 weeks
10-15 minutes per section	TS 8s can be assembled upright Mounting panel & doors easy to remove	Preparation Time	One hour per section May require 2 people
No extra time	Complete project can be assembled with TS 8s in upright position No need to lay down the TS 8 for mounting panel removal and reinstall	Shop Space	One hour per section May require 2 people
Enclosures are NEMA/CSA/cUL Certified	Fully certified for use in Canada	Approvals	Enclosures are CSA/UL certified
3 hours	Design time savings using Pro Panel for a 3D drawing	Design	8 hours
Plug and play possible	Standardized components and parts	Standardization	Plug and play possible
Solution configurable at all stages	Flexibility to revisit the solution and configure on the fly	Flexibility	Solution not configurable post-order
One day	Standard TS 8 enclosure Stock at local distributors	Modifications	New manufactured product

MCP Comparison Chart® Rittal Systems Ltd. 2018. Rittal is the trademark of Rittal. Any additional depicted trademarks are owned by the respective identified Company(ies). All non-Rittal information and data was obtained from actual testing, publicly available sources, including competitor websites, consumer product catalogs and industry trade publications. Rittal Systems Ltd. does not warranty the accuracy of any non-Rittal information or data depicted herein, and is not responsible for the inclusion of any data inaccurately published by another party. For inquiries contact marketing@rittal.ca

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Specifications

Specs	Details
Current Rating	Up to 3200 amps
Rated short circuit withstand strength	Up to 100kA for 1 second
Form of separation	Up to Form 4
Construction material	Mild steel/Stainless steel
Enclosures exterior colour	Powder coated RAL 7035. Special colours available on request
Plinth colour	RAL 9005
Enclosure Sizes	Full range of Rittal enclosures available up to 90" with plinths
Compartment sizes	150-2200 mm H (6" - 87")
Cable Chamber	Available
Cable entry	Top/Bottom
Cable access	Front/rear

Complete Solutions from Rittal

With Rittal RiLine systems, you know you are on the right track when it comes to finding the perfect solution to current and future tasks. The systems are based on special busbars from Rittal each of which are trail-blazers in their own sectors.

Rittal Maxi-PLS 1600/2000/3200A

This special Rittal busbar symbolizes simple, compact system assembly without any machining. Type-tested modular system technology forms the basis for a system design which conforms to the regulations.

Rittal PLS 600/1100A

The copper busbar in the shape of a "1" forms an ideal unit with the support. The special design of the busbar permits unrestricted top mounting of the support with power distribution components for 60 mm bar centre distance.

Rittal RiLine Compact Busbar up to 100A

Based on a contact hazard protective compact board with integrated circuit board conductors and end-to-end contact spacing. The board and all other components are secured using simple, tool-free plug-in mounting.

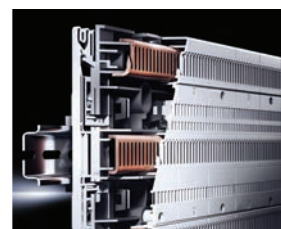
PLS Systems



**Rittal Maxi-PLS
1600/2000/3200A**

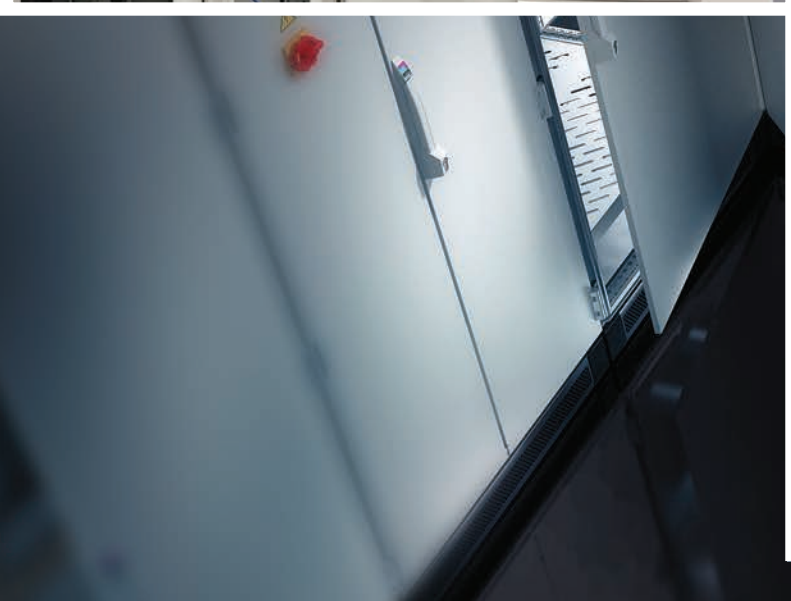


**Rittal PLS
800A/1600A**



**RiLine Compact
Busbar**

Unique Features of MCP



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Rittal's MCP application offers many unique features, some of which are described below.



TS 8 modularity

Constructed and readily extendable from the world-leading TS 8 range of enclosures with infinite possibilities offering excellent modularity and space.



Mounting panel adjustment

Innovative internal compartment system allows easy and rapid adjustment of mounting the depth of the plates.



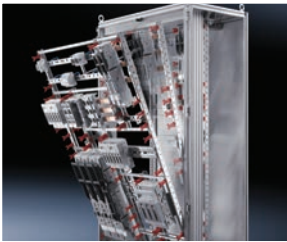
Compartment choices

Wide choice of compartment sized from 150 mm through to 2200 mm and large cable chambers.



Air Circuit Breaker options

ACB can be flush mounted or mounted behind the door in no time.



Accessories

Wide range of accessories to cater to every situation and need.



Materials

The ability to configure over a wide range of short circuit ratings up to and including 100 kA. With current ratings available up to 3200 amps, the system distributes power safely and reliably, complete with separation up to Form 4 (BS EN 60439-1) so that a well engineered, cost-effective solution is achieved.

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- Enclosures
- Power Distribution
- Climate Control
- IT Infrastructure
- Software & Services

Rittal Certified System Integrators: Power Distribution



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