

# 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



**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.

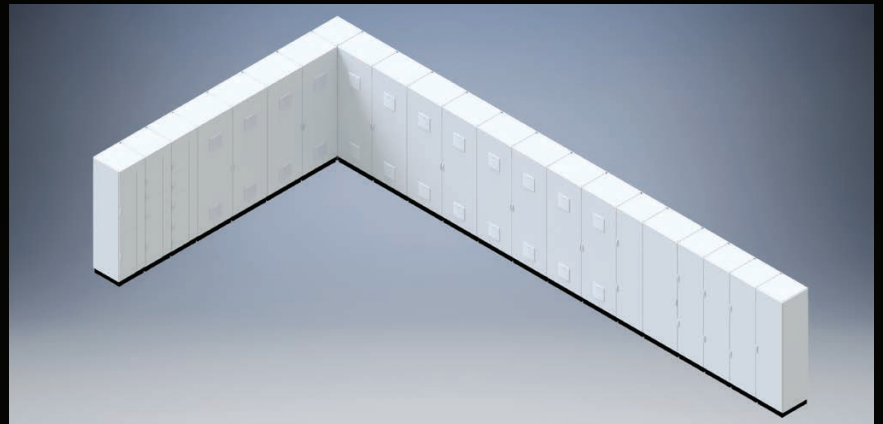


Our MCP Solutions offer many functional and financial advantages. However, purchasing decisions are often driven by acquisition costs, and in some cases, the belief that these solutions are inherently more expensive.

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.



VS.



MCC

Rittal	Advantage	Features	Typical MCC Solution
3-5 days	Ability to engineer with Power Engineering	<b>Engineering Time</b>	7-10 days
7-9 weeks	Speed of delivery of the integrated solution from concept to completion	<b>Lead Time</b>	12-15 weeks
10-15 minutes per section	TS 8s can be assembled upright Mounting panel & doors easy to remove	<b>Preparation Time</b>	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	<b>Shop Space</b>	One hour per section May require 2 people
CSA/UL certified NEMA 12 version	Fully certified for use in Canada	<b>Approvals</b>	CSA/UL certified
3 hours	Design time savings using Pro Panel for a 3D drawing	<b>Design</b>	8 hours
Plug and play possible	Standardized components and parts	<b>Standardization</b>	Plug and play possible
Solution configurable at all stages	Flexibility to revisit the solution and configure on the fly	<b>Flexibility</b>	Solution not configurable post-order
One day	Standard TS 8 enclosure Stock at local distributors	<b>Modifications</b>	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](mailto:marketing@rittal.ca)

## Specifications

Specs	Details
<b>Current Rating</b>	Up to 3200 amps
<b>Rated short circuit withstand strength</b>	Up to 100kA for 1 second
<b>Form of separation</b>	Up to Form 4
<b>Construction material</b>	Mild steel/Stainless steel
<b>Enclosure exterior colour</b>	Powder coated RAL 7035. Special colours available on request
<b>Plinth colour</b>	RAL 7022
<b>Enclosure Sizes</b>	Full range of Rittal enclosures available
<b>Compartment sizes</b>	150-2200 mm H
<b>Cable Chamber</b>	Available
<b>Cable entry</b>	Top/Bottom
<b>Cable access</b>	Front/rear

## Complete Solutions from Rittal

With PLS 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 up to 1600/3200A

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 up to 800A/1600A

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 Mini-PLS up to 250A

The outstanding feature is the T-shaped support of the special bar section, as well as the unrestricted top mounting of the support and busbar connectors. Components are assembled from the front using a plug and lock action.

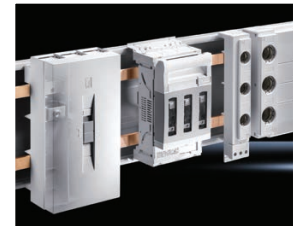
### Rittal RiLine Compact Busbar

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



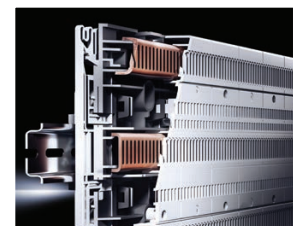
**Rittal Maxi-PLS**  
up to 1600/3200A



**Rittal PLS**  
up to 800A/1600A

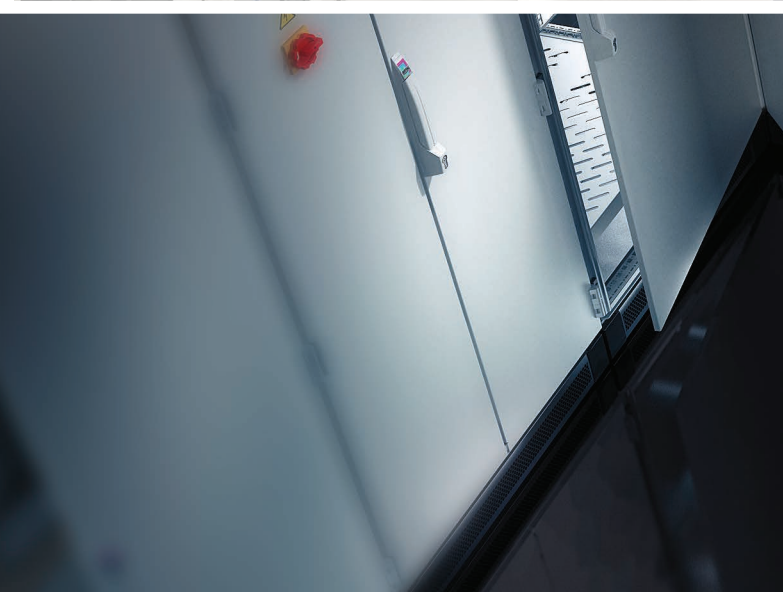


**Rittal Mini-PLS**  
up to 250A



**RiLine Compact Busbar**

# Unique Features of MCP



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.



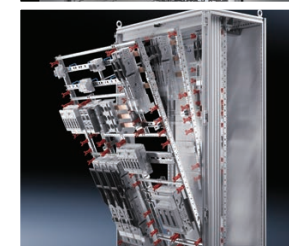
## Compartment choices

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.

# Rittal – The System.

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- Enclosures
- Power Distribution
- Climate Control
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