

Prisma Plus *LV Switchboards*
System G Pack enclosures
up to 160 A
System G enclosures
up to 630 A

Catalogue
2006



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The Guiding System, the new way to create your electrical installations

A comprehensive offer of products with consistent design

The Guiding System is first and foremost a Merlin Gerin product offer covering all electrical distribution needs. However, what makes all the difference is that these products have been designed to operate together: mechanical and electrical compatibility, interoperability, modularity, communication.

Thus the electrical installation is both optimised and more efficient: better continuity of supply, enhanced safety for people and equipment, guaranteed upgradeability, effective monitoring and control.

Tools to simplify design and implementation

With the Guiding System, you have a comprehensive range of tools - the Guiding Tools - that will help you increase your product knowledge and product utilisation. Of course this is in compliance with current standards and procedures.

These tools include technical booklets and guides, design aid software, training courses, etc. and are regularly updated.

The Guiding System, combined with the know-how and creativity, allows optimised, reliable, open-ended and standard compliant installations

For a genuine partnership with you

Because each electrical installation is unique, there is no standard solution. With the Guiding System, the variety of combinations allows for genuine customisation solutions. You can create and implement electrical installations to meet your creative requirements and design knowledge.

You and Merlin Gerin's Guiding System form a genuine partnership.

For more details on the Guiding System, consult www.merlin-gerin.com

A consistent design of offers from Medium Voltage to Low Voltage

All Merlin Gerin offers are designed according to electrical, mechanical and communication consistency rules. The products express this consistency by their overall design and shared ergonomics.



Discrimination guarantees co-ordination between the operating characteristics of serial-connected circuit-breakers. Should a fault occurs downstream, only the circuit-breaker placed immediately upstream from the fault will trip.

Electrical consistency:

Each product complies with or enhances system performance at co-ordination level: breaking capacity, I_{sc} , temperature rise, etc. for more safety, continuity of supply (discrimination) or economic optimisation (cascading).

The leading edge technologies employed in Merlin Gerin's Guiding System ensure high performance levels in discrimination and cascading of protection devices, electrodynamic withstand of switches and current distributors, heat loss of devices, distribution blocks and enclosures.

Likewise, inter-product ElectroMagnetic Compatibility (EMC) is guaranteed.



Direct connection of the Canalis KT busbar trunking on the Masterpact 3200 A circuit breaker.

Mechanical consistency:

Each product adopts dimensional standards simplifying and optimising its use within the system.

It shares the same accessories and auxiliaries and complies with global ergonomic choices (utilisation mode, operating mode, setting and configuration devices, tools, etc.) making its installation and operation within the system a simpler process.



Thanks to the use of standard Web technologies, you can offer your customers intelligent Merlin Gerin switchboards allowing easy access to information: follow-up of currents, voltages, powers, consumption history, etc.

Communication consistency:

Each product complies with global choices in terms of communication protocols (Modbus, Ethernet, etc.) for simplified integration in the management, supervision and monitoring systems.

**Guiding Tools
for more efficient design
and implementation
of your installations.**

SM6

Medium voltage switchboard system from 1 to 36 kV



Sepam

Protection relays



Masterpact

Protection switchgear from 100 to 6300 A



Trihal

MV/LV dry cast resin transformer from 160 to 5000 kVA

Evolis

MV vacuum switchgear and components from 1 to 24 kV.

The Technical guide

These technical guides help you comply with installation standards and rules i.e.: The electrical installation guide, the protection guide, the switchboard implementation guide, the technical booklets and the co-ordination tables all form genuine reference tools for the design of high-performance electrical installations. For example, the LV protection co-ordination guide - discrimination and cascading - optimises choice of protection and connection devices while also increasing markedly continuity of supply in the installations.



CAD software and tools

The CAD software and tools enhance productivity and safety. They help you create your installations by simplifying product choice through easy browsing in the Guiding System offers. Last but not least, they optimise use of our products while also complying with standards and proper procedures.



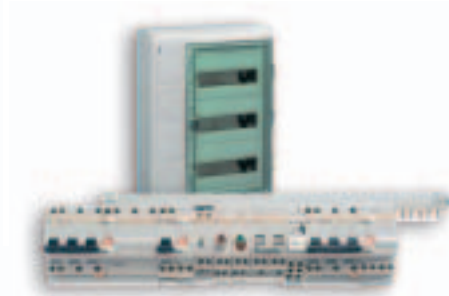
Compact

Protection switchgear system from 100 to 630 A



Multi 9

Modular protection switchgear system up to 125 A



Prisma Plus

Functional system for electrical distribution switchboards up to 3200 A



Pragma

Enclosures for distribution switchboards up to 160 A

Canalis

Prefabricated Busbar Trunking from 25 to 4000 A

PowerLogic

Power management

Training

Training allows you to acquire the Merlin Gerin expertise (installation design, work with power on, etc.) for increased efficiency and a guarantee of improved customer service.

The training catalogue includes beginner's courses in electrical distribution, knowledge of MV and LV switchgear, operation and maintenance of installations, design of LV installations to give but a few examples.



merlin-gerin.com

This international site allows you to access all the Merlin Gerin products in just 2 clicks via comprehensive range data-sheets, with direct links to:

- complete library: technical documents, catalogs, FAQs, brochures...
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