

Capture new business opportunities

Prisma iPM
Low-voltage
functional
switchboard system
compliant
to IEC 61439-1 & 2
standard



Schneider
Electric

For all applications up to 4000 A

The Prisma iPM functional switchboard system meets the needs of all building electrical installations.

From public facilities such as supermarkets, nursery schools or hospitals to industrial plants, and telecom centres, Prisma iPM can be installed wherever safety, flexibility and reliability are essential for your customers.



- 2 wall mounted enclosure ranges
- 1 floor standing cubicle range
- IP degree: from 30 to 54
- Icw: from 15 kA/s to 100 kA/s
- Partitioning up to form 4b



Give your business a new dimension with Prisma iPM



For more than 30 years, Schneider Electric has set the benchmark in prefabricated solutions for the design and construction of low-voltage functional switchboards.

Prisma iPM is part of the large family of systems sold in “kit” format that incorporate the best of switchgear and controlgear from Schneider Electric, the global specialist in energy management.

1982

The first functional switchboard assembled from a Schneider Electric kit.

3 million

tested Schneider Electric low-voltage electrical distribution and control switchboards are in operation worldwide.

Prisma iPM: fully IEC-compliant

Manufacturers' switchboards tested in accordance with the IEC standard for low-voltage switchgear and controlgear systems have been in widespread use in Europe for many years now. Today, many panelbuilders are enjoying the myriad benefits that Prisma iPM functional switchboards can give them, both in boosting sales and improving their profitability. You too, can take advantage of this opportunity!



Compliance to IEC 61439-1 & 2, what are the benefits for you, the Panelbuilder?

In every industry, plant managers are looking for the most reliable electrical installations that ensure the safety of personnel, protection of equipment, service continuity, and a real return on investment.

By converting the standard's requirements into a range of specific technical and operational specifications, Prisma iPM ensures you can offer the dependability, performance and consistency required by your most demanding customers. Prisma iPM helps you to do your best work, quickly and efficiently, so you can build your business and be more competitive.

Tested switchboards

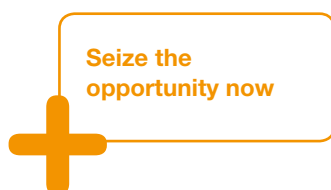
Prisma iPM is a switchboard that is fully tested and compliant with the IEC 61439-1 & 2 standard, which guarantees safety of electrical installations and their operation. All the tests are certified by independent organizations such as ASEFA and KEMA.

Comprehensive testing to ensure premium quality

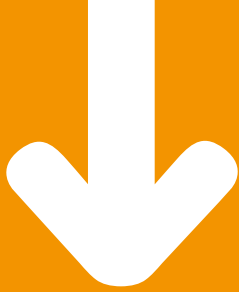
- Superior materials and parts
- Protection of enclosures level
- Clearances and creepage distances
- Protection against electric shock and integrity of protective circuits
- Integration of switching devices and components
- Internal electrical circuits and connections
- Terminals for external conductors

Rigorous testing to validate switchboard performance

- Dielectric properties
- Temperature rise
- Short-circuit withstand strength
- Electromagnetic compatibility
- Mechanical operation

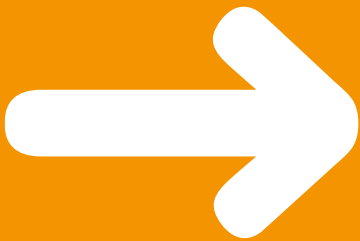


100 %
tested



How do your customers benefit from a switchboard that is certified compliant?

- > Safety for personnel and equipment
- > Continuity of service
- > Equipment that meets their expectations
- > Consistent performance over time
- > Reduced and simplified maintenance requirements
- > A fast return on investment
- > Peace of mind



How do you benefit from a functional switchboard system?

- > Build additional knowledge and skill
- > Extend your product offering without additional resources or investments
- > Improve your productivity
- > Demonstrate your proven expertise

and above all...

- > A guarantee of compliance with the standard, simply by observing the manufacturers' recommendations. Customer checking and acceptance tests become a simple routine for you.
- > 100% compatible components: switchboards and switchgear are designed and tested to work together

Prisma iPM: Advantages that make a difference



A fully modular design

- Designed with 3 separate zones: switchgear in distinct functional units, power distribution, and a final zone for customer connections.
- This optimised design compartmentalises the switchboard equipment: the enclosure, switchgear and controlgear, busbars and connections, etc., and facilitates:
 - fast, accurate cost estimates;
 - simple last-minute switchboard changes;
 - ease of maintenance for your customers and end users.

Remarkably easy to assemble

- Each switchboard equipment component is delivered pre-assembled. This avoids hours of reworking or specific adaptations.
- Assembly steps are clearly defined and logically sequenced. The risks of error are minimized.
- The enclosure architecture, whether in cubicle or cabinet format, allows easy, unrestricted access.
- The assembly organisation and approach are repeatable from one switchboard to another, so that the optimal assembly techniques can be learned quickly and your productivity enhanced.



100 %
adaptable

Become a Prisma iPM pro

A Prisma iPM functional switchboard is no more complicated than a conventional switchboard, it's simply a different approach. Schneider Electric provides you with all the necessary tools to become acquainted with the offer and to help you quickly become proficient .

Design and quotation software

To help you complete your project, Prisma iPM dedicated software tools are available. One for the quotation phase and the second for computer-assisted design for the construction of your switchboard.



Training sessions

1-, 2- and 3-day programs designed to acquaint you with assembly of the units will help you get up and running quickly.

Contact your Schneider Electric branch office to obtain information concerning upcoming sessions.



A dedicated catalogue and a technical guide

A comprehensive catalogue helps you to select the correct components, while a technical guide covering each step in the assembly of your switchboard assures your customers of IEC certification.



Animated and 3D learning tools

On the Schneider Electric website, you can discover tools such as tutorial videos and 3D diagrams of busbar assembly, and much more. Don't hesitate to use them!



Schneider Electric "best in class" products

★
100 %
compatible



Masterpact NT

> The smallest power circuit breaker in the world from 630 to 1600A, concentrating all the performance of a sophisticated power circuit breaker in a compact unit. Masterpact NT permits optimal installation and guarantees operation with complete peace of mind.



Compact NSX

> A new generation of circuit breakers from 100 to 630 A, Compact NSX provides impeccable protection at all times thanks to its integrated power monitoring unit enabling it to measure both energy and power.



Easycompact

> Range of moulded-case circuit breakers from 15 to 400 A. With three different sizes, the Easycompact system is the simple and universal solution to meet all needs. It is perfectly adapted to Prisma iPM cubicles.



Acti 9

> Acti 9 is the brand new standard in the field of final distribution. With a great variety of innovations based on Schneider Electric's 40 years of experience, Acti 9 covers all applications with absolutely trouble-free operation and continuity of service.



Linergy FM

> Available in two-, three- and four-phase models, Linergy FM forms part of the range of quick connection systems, and is ideal for connection and phase balancing of the modular device located downstream. Connection is performed by merely plugging in wires (flexible or rigid), and clamping is performed automatically and guaranteed over time.

Take your next step with these **FREE** materials from Schneider Electric.

Visit www.SEreply.com



All product references and characteristics of Prisma iPM cabinets



All product references and characteristics of the range of Prisma iPM cubicles



Full assistance to help you with assembly, testing and maintenance of your cabinet

> **Make the most of your energySM**

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Due to evolution of standards and equipment, characteristics indicated in texts and images in this document are binding only after confirmation by our departments.

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