

# Your electrical installation problems are over

## **Prisma iPM**

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



**Schneider**  
Electric

# For all applications up to 4000 A

Retail facilities and industrial buildings, data centres, infrastructure, etc.: a Prisma iPM switchboard can be installed anywhere!



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



# Innovate with the Prisma iPM solution



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 a large family of systems sold in “kit” format, incorporating 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.

# IEC 61439-1 & 2 standard: Your insurance for the future

Today, the IEC 61439-1&2 standard is established worldwide. It aims to provide a precise framework for the design and manufacture of low-voltage equipment.

All this is based upon a single reality, yours! How? Through knowledge of the operating and servicing needs of switchboard users.



## Issues at stake

In most applications, the safety of personnel and equipment is the key issue. When making your choice, think of your peace of mind and your return on investment.

Are you 100% sure of the reliability of your switchboard? And in 10 years' time, what will its performance be? Is it scalable? Easy to maintain?

These are all questions that you will no longer need to ask yourself with a standardized and tested switchboard. Performance, safety, reliability, certification assures you of all this and even more.



## A shared guarantee

All the prefabricated components of a Prisma iPM switchboard are subjected to a range of tests to evaluate their conformity with the IEC standard and their capability for providing the documented performance level.

This guarantee is called the Manufacturer's Guarantee...

It enables Schneider Electric to certify that by following its recommendations, the assembled and cabled switchboard will be in compliance with the requirements of the standard.

This overall guarantee is also based on the assembler's compliance with best engineering practice during design, assembly and cabling of the electrical switchboard.

## Panelbuilder partners

Schneider Electric has established close relationships with panelbuilders worldwide. They have all the skills and tools to design and build a switchboard in accordance with your requirements.

They are regularly audited and their personnel are trained in the characteristics and specific features of Prisma iPM.

This is an extra guarantee that the equipment you install will provide complete satisfaction for many years.



## How will you benefit from a switchboard certified compliant with the standard?

- > Compliance with the documented mechanical and electrical performance levels
- > Increased reliability for lasting performance over time
- > Increased reliability for your installation
- > Protection of equipment and safety for personnel
- > Safety of servicing for operators
- > Guarantee that equipment will meet your requirements



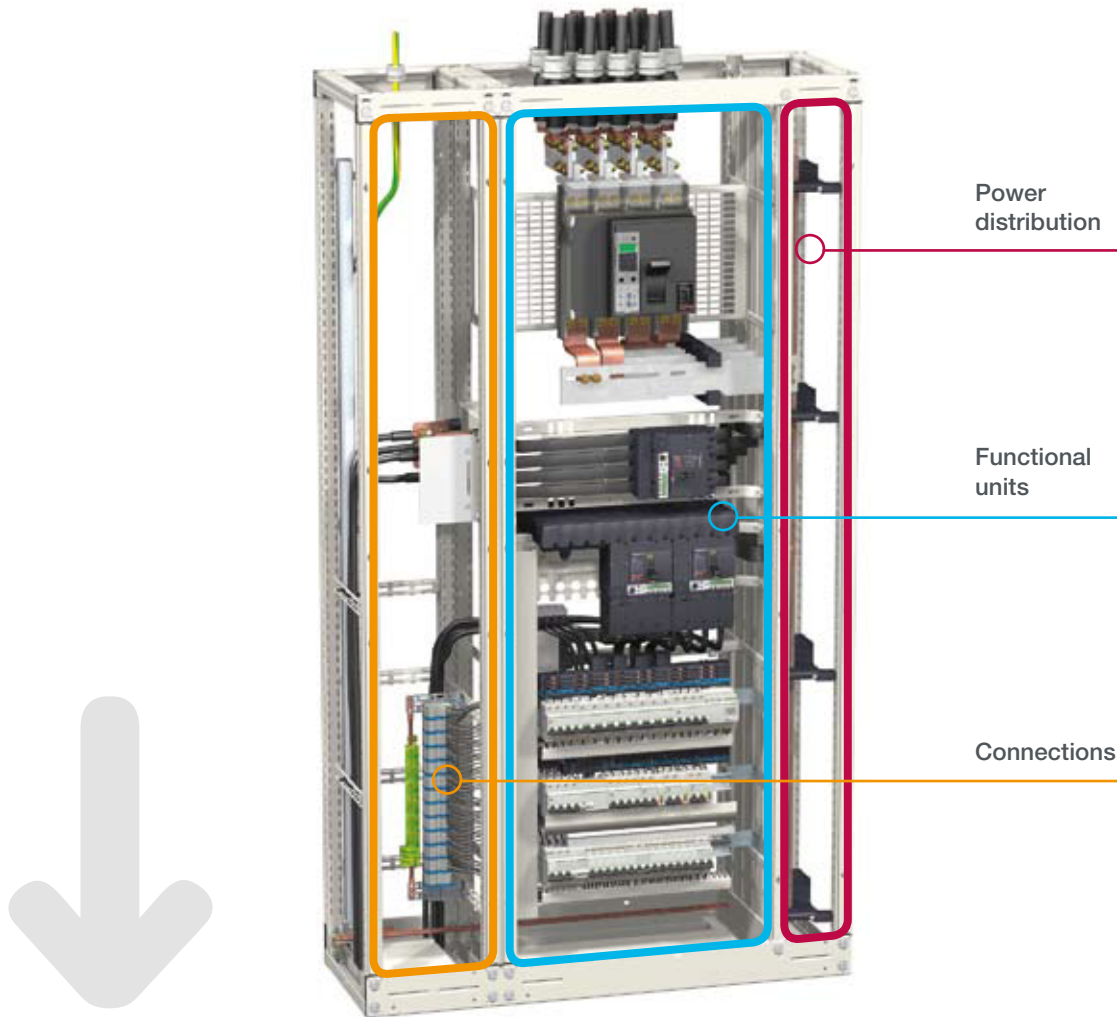
Improved continuity of service



Safety and durability



High long-term profitability



## What is a functional switchboard?

The goal is to reproduce **configurations identical or equivalent** to those **assessed in a laboratory** during certification testing.

For this purpose, we use a so-called “functional” architecture... based on a **combination of building bricks independent** of one another: **the functional units**.

**Each functional unit corresponds to an application** in the building: lighting, ventilation, air conditioning, the lifts, etc.

All that remains to be done is to connect the functional units to the power on one side and the utilities on the other side. In the end, we obtain **a perfectly configured switchboard that can be easily maintained or expanded**.

# Prisma iPM: Excellent in every respect

Prisma iPM, it's far more than just a switchboard. It's a comprehensive low voltage power distribution solution combining high-level performance with impeccable robustness and reliability. Prisma iPM is, no doubt the best in its class today.

## A completely scalable switchboard

Prisma iPM is designed to evolve easily with your application. An extension, a renovation, a change of activity? The switchboard's modular design means it is easy to make modifications, add new functions or new enclosures. And of course, it retains all the qualities of a Prisma iPM switchboard: performance, reliability, safety.



**100 %**  
safety

## A maximum of safety

Prisma iPM offers you best in class safety. The tests performed in accordance with the IEC 61439-1&2 standard (resistance to short circuit and temperature rise) are a guarantee of reliable, robust and durable equipment. Your installation, your application, your personnel and the public are safe. You remain worry free.

## Lowest maintenance costs

A Prisma iPM switchboard requires little maintenance. The switchboard's design by functional zone and its physical organization result in easier access to equipment and switchgear items, thereby reducing servicing time.

## Both attractive and discreet. Why hide it?

Now, with Prisma iPM, you will no longer hide your switchboards. The external enclosure design is understated and elegant, so you no longer need to systematically provide for an equipment room to install a Prisma iPM switchboard. A reception lobby, an open space or a corridor... Prisma iPM will fit in discreetly within practically any decor.



# 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.



## Easypact

> Range of moulded-case circuit breakers from 15 to 400 A. With three different sizes, the Easypact 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.



## Linerly FM

> Available in two-, three- and four-phase models, Linerly FM forms part of the Linerly 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](http://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 energy**<sup>SM</sup>

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