

Prisma Pack

For high-performance switchboards in small retail and commercial buildings



Schneider
Electric

Prisma Pack: 2 lines of floor standing and wall-mounted enclosures

Designed to meet the needs of
your small retail and commercial
installations, more easily than ever.

A simplified product range to help you find
the right solution quickly and easily:

> Prisma Pack 160

All-in-one **metal enclosures, delivered assembled** and ready-to-equip.

- > For switchboards **up to 160 A**
- > **A single part number** to order for a complete enclosure

> Prisma G Pack 250

Floor standing and wall-mounted enclosures sold in kits, easy to associate and upgrade, you can combine to meet your needs.

- > For switchboards **up to 250 A**
- > **Between 2 and 5 part numbers** to order for a complete enclosure depending on your needs

Expand your business

Prisma Pack makes it simple for you to respond to the more demanding safety, uptime, and electrical performance requirements of retail and commercial installations.

> **Prisma Pack 160** is designed especially for small retail and commercial installations up to 160 A.

> **Prisma G Pack 250** is a simple, upgradeable solution for electrical installations up to 250 A.



Protect people and property:

- Enclosures prevent direct contact with live parts
- Earthing of metal components built in to the product design
- Locked enclosure doors
- Protection degrees suitable for commercial buildings



Increase continuity of service:

- A complete, proven solution
- Enclosures, devices, and distribution systems designed to work together seamlessly



Offer solutions suitable for every environment:

- Minimalist design
- An understated, elegant white finish
- A choice of plain or transparent doors



Take advantage of Schneider Electric's experience

- 30 years designing low-voltage switchboards
- Metal enclosures tested with the most demanding configurations for compliance with the IEC 61439 standard
- Made in France and ISO 9001 certified

Enclosures that offer the best

Prisma Pack enclosures are designed to ensure the quality of your electrical installations while facilitating equipment installation, maintenance, and future upgrades.

1

Ordering is fast and convenient

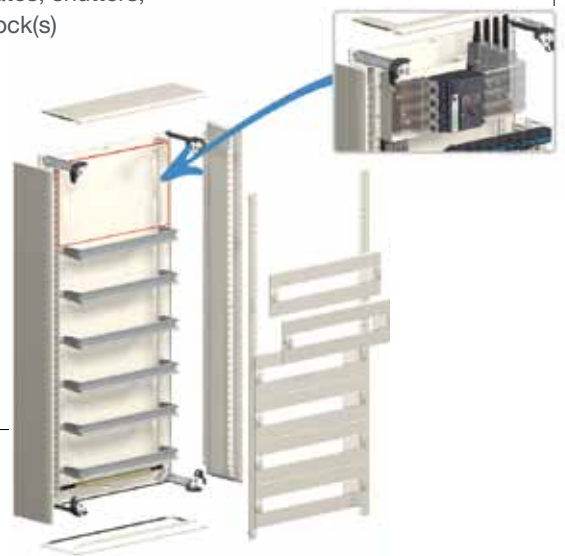
Prisma Pack 160

- A line of enclosures with 2 to 6 modular rows
- A single part number for a complete enclosure delivered assembled and equipped with modular rails, cover plates, gland plates, front plates, shutters, and earth terminal block



Prisma G Pack 250

- A line of enclosures with 2 to 9 modular rows
- A single part number for a complete enclosure delivered in ready-to-assemble kit form, including with modular rails, cover plates, gland plates, front plates, shutters, and earth terminal block(s)
- The main circuit breaker, whether it is modular or molded-case, will determine which additional part numbers you will need



2

Installing your enclosure is simple

- Prisma G Pack 250 enclosures can be mounted using a simple hook system (cyma system)
- Product is manufactured to ensure electrical continuity of earthing of all metal parts
- The front plates equipped with grips and are fastened with fixed quarter-turn screws
- Enclosures can also be flush-mounted using the optional flush-mounting kit



Hanging with the cyma system



Grips

in performance and simplicity

3

Cabling your switchboard is easy

- All products are designed by functional units, for easier understanding of the single-line diagram and simpler maintenance and future upgrades
- Linergy distribution and connection systems ensure optimal cabling by offering a vast array of power distribution possibilities
- Double-profile modular rails allow you to clip accessories on to the back
- Cable trunking and straps simplify cable management inside the switchboard
- Side panels can be removed quickly and easily for total access for both cabling and maintenance



4

Delivering a high-quality installation

- The most demanding configurations have been tested by independent testing organizations for compliance with the IEC 61439-1 and 61439-2 standards
- Schneider Electric command and protection devices, prefabricated connections, and cable sections allow you to create exactly the solution you need and calculate discrimination and cascading



Give your cabinets the right level of protection

Prisma Pack configurations in their standard configurations offer IP30 and IK07 protection degrees. A range of optional accessories can be added to offer increased protection:

- A door added by simply clipping on hinges boosts your protection degree to IK08
- Adding a canopy to an enclosure that already has a door raises your protection degree to IP31
- Adding a door seal in addition to a canopy increases your protection degree to IP43

Optimize your switchboard's

Schneider Electric guarantees the full compatibility and between of its devices installed inside and Prisma Pack enclosures.

1 Main circuit breakers and switches

Modular devices for Prisma Pack 160 and Prisma G Pack 250.



Prisma Pack 160



Circuit breaker:
NG125



Circuit breaker:
NG160



Switch
INS160

Molded case apparatus for Prisma G Pack 250 only



Circuit breaker:
NSX160/250



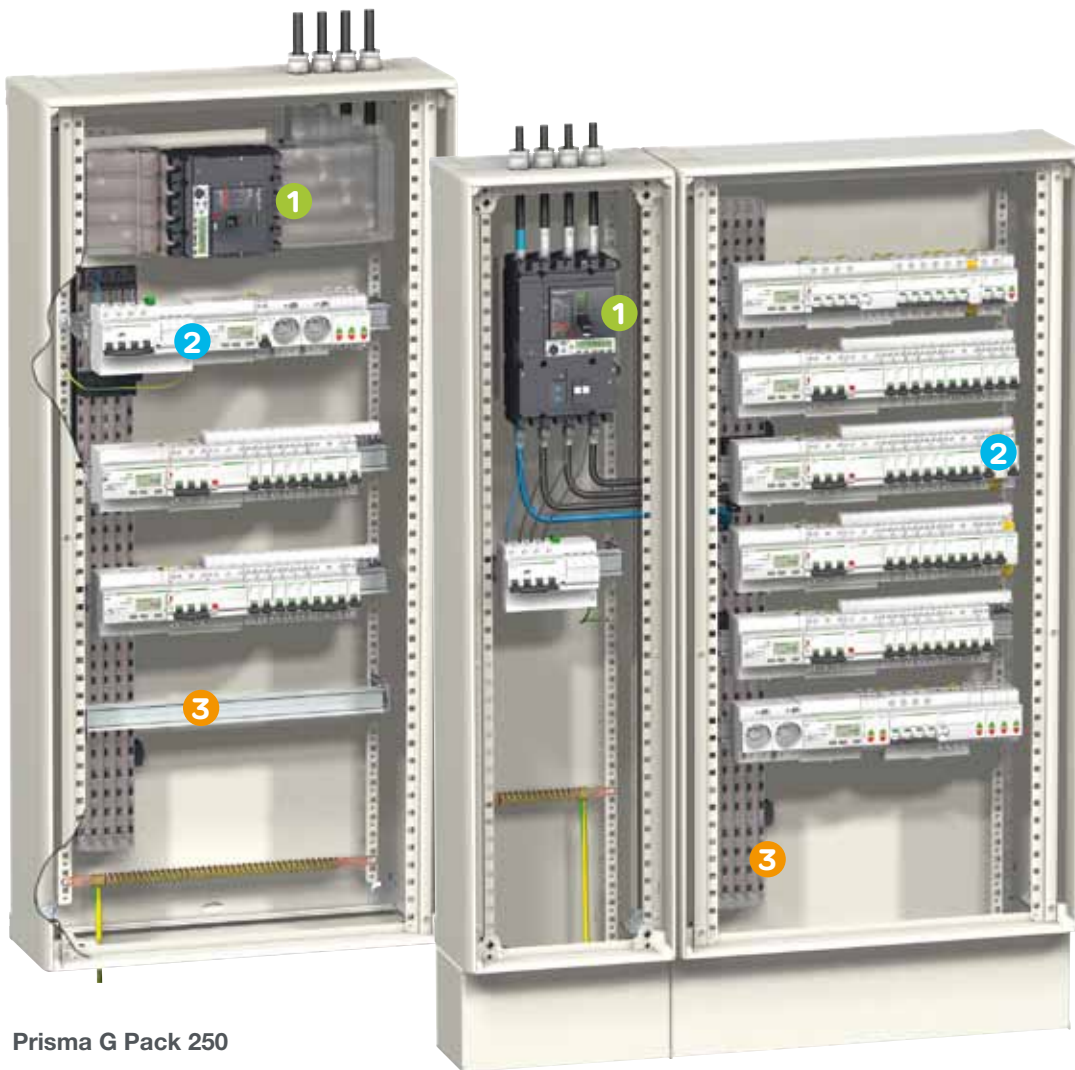
Switch
INS250

2 Acti 9 for safe, convenient installation

Meet all of your customers' protection, command, and control needs today with the Acti 9 line of modular devices.



layout



Prisma G Pack 250



All prefabricated accessories and connections for the Prisma G system are compatible with Prisma G Pack 250 enclosures.

3 Linergy for fast, reliable, easy-to-understand cabling

Linergy distribution and connection systems are designed to make cabling your switchboards faster. Your connections will also be more reliable and maintenance safer.



Linergy DS screw-type distribution blocks



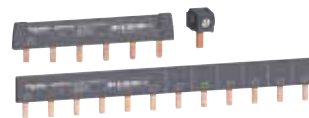
Linergy FM for outgoers



Linergy BS traditional copper busbars



Linergy DX quick-connection distribution blocks



Linergy FH comb busbars



Linergy BW compact, insulated multi-point distribution busbars

Technical characteristics

Prisma Pack 160

Prisma G Pack 250

Rated current (In)	160 A	250 A
Short-circuit current (Icc)	50 kA	50 kA
Short-duration current (Icw)	10 kAeff / 1 s	25 kAeff / 1 s
Peak current (Ipk)	30 kA	52,5 kA
Isolation	Class 1, with earthing built in to metal parts	Class 1, with earthing built in to metal parts
Number of rows (24 modules of 18 mm per row)	Wall-mounted enclosures for 2 to 6 rows	Wall-mounted enclosures for 2 to 7 rows Floor standing enclosures for 7 to 9 rows
Door (optional)	Plain or transparent doors, with handle and keylock (key 405)	Plain or transparent doors, with handle and keylock (key 405)
Protection degree	IP30 (with or without door) IP31 (with canopy) IP43 (with canopy and door seal)	IP30 (with or without door) IP31 (with canopy) IP43 (with canopy and door seal)
Mechanical impact protection degree	IK07 (without door) IK08 (with door)	IK07 (without door) IK08 (with door)
Dimensions	Height	480 mm to 1,080 mm
	Width	555 mm
	Depth	157 mm (without door) 186 mm (with door)
		630 mm to 1,830 mm
		595 mm (+ 305 mm with a duct)
		205 mm (without door) 251.5 mm (with door)

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DESWED113006EN

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Design: pemaco + caracas

Photo: Schneider Electric - Getty / © sturti

Printing:

01/2014