

Achieve outstanding reliability with Spacial SFP enclosures

Prisma Plus and Spacial SF, more than the sum of their parts



When demanding applications and severe conditions require the best, assure your success with **Spacial SFP**



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Spacial™ SF:

Combines outstanding robustness with versatility, flexibility, and efficiency so you can solve the toughest power distribution and control applications

Prisma™ Plus:

a fully optimized and tested, low-voltage switchboard solution with outstanding reliability that is easy to design and safe to install

Spacial SFP:

Ready to perform in any condition



Industry



Buildings



Energy and
Infrastructure

Two outstanding products fuse proven strength with exceptional functionality, so you can attain uncommon results

Spacial SFP combines decades of know-how engineering and world-class enclosures with our expertise at developing prefabricated, modular, low-voltage solutions that are acknowledged worldwide for their safety, dependability and simplicity. Everything we have learned about protecting people and their assets has been designed into Spacial SFP, so you can trust it to tackle the toughest commercial and industrial power and process control challenges.

Ready to perform in any condition

- > Fully tested to perform in extreme conditions
- > Independent laboratory compliance to IEC61439-2 switchboard standard
- > Integrated and optimized, it uses only tried and tested Schneider Electric™ components

Resists severe industrial environments

- > IP 55 rating according to IEC 60529 and resistance to the mechanical impacts of IK 10 according to IEC 62262
- > High-grade steel, durable epoxy painting techniques and ingenious design give it remarkable robustness
- > Compartmentalized for maximum isolation

Safety without compromise

- > Short circuit withstand
- > No direct contact with live parts thanks to compartmentalized forms according to IEC 61439-2
- > Components and devices are designed and tested to work together

Lower installation cost and effort

- > An all-in-one solution helps you reduce the time, effort, and cost of implementation
- > Trouble-free system design and installation support with expert Rapsody™ software
- > 'Lean' sizing features such as thermal calculations and cascading boost design possibilities

Designed for the long term

- > Decades of industry experience is engineered into every Spacial SFP
- > Online assistance tools are available to help you get up and running quickly
- > Construction to RoHS and REACH standards with recyclable materials ensures environmental responsibility

Versatility, speed, and simplicity

- > Innovations such as captive screws, quick cross rails, and self-tapping screws boost your efficiency
- > Modularity, easy internal access, and numerous mounting options helps you quickly adapt your installation
- > A wide range of accessories increase adaptability and simplify stocking
- > Manage deadlines and improve customer service

Make the most of your energySM

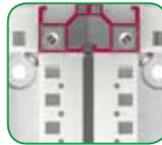




Your best choice
when performance is paramount

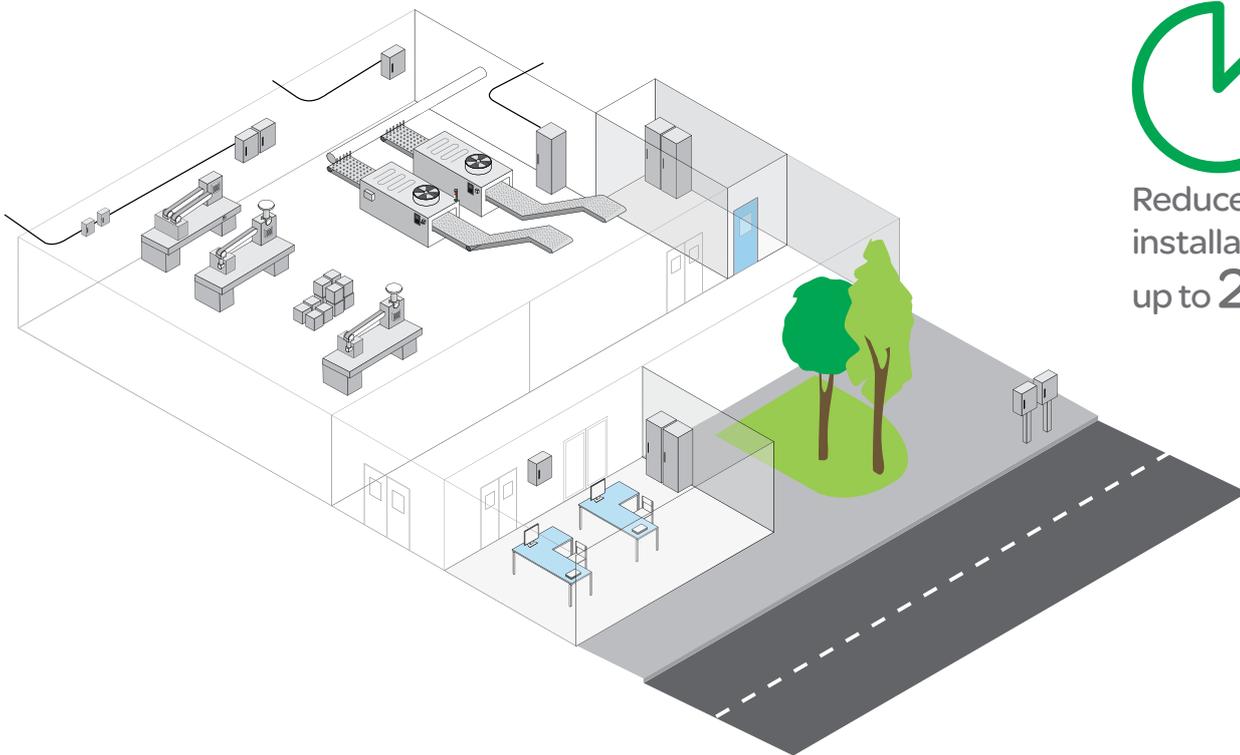
More than five million Schneider Electric low-voltage and automation switchboards are installed worldwide



- 1** Access to a high-performance cooling and ventilation systems
- 2** Prefabricated incoming connections save time and effort
- 3** An optimized system for combined Schneider Electric solutions: ED with MCC, VDI, and power-factor correction
- 4** Full support for all Prisma Plus functional units such as: Polypact™, Polybloc™, Distribloc™, and Multiclip™
- 5** Compatibility with Prisma Plus busbar system and Lingery™ busbars
- 6**  Heavy-duty SF plinths allow installation of heavy loads, increase structural rigidity, and enhance interconnection options for multiple switchboards
- 7**  Safety comes first with a new hinges system that helps avoid mishaps during construction
- 8**  Modularity without limits enables full access and associability which reduces assembly time through new, original designs
- 9**  Profile design that ensures IP degree and unbeatable robustness

Spacial SFP is a modular preassembled enclosure optimised to bring first-rate Prisma Plus performance

Designed to satisfy the most demanding applications and severe industrial environments, Spacial SFP seamlessly integrates our Prisma Plus functional system. Together, they deliver an unbeatable mix of versatility, reduced size, robustness, and operational safety, all backed up of by wide-ranging tests and certifications.



Reduce
installation time
up to **25%**

Flexible installation options

Spacial SFP with integrated Prisma Plus solutions can be designed and customised easily and quickly.

- * Organize functional units according to corresponding facility applications, such as lighting, HVAC, chillers, etc.
- * Arrange them by dedicated physical zones, one for the functional units, one for power distribution, and one for connection.

Assembly and installation in compliance with IEC standards

Thanks to a prefabricated and, standardized low-voltage distribution solution, assembly, wiring, and installation can be performed without difficulty and be within accordance with IEC standards.

Dependable, optimized design

Rapsody software provides tools to quickly design switchboards using tested architectures that meet the most stringent specifications. Meet requirements for costs and deadlines with an optimized selection of appropriate components for each switchboard.

Tests and documentation

Tools are available to help panel builders and contractors perform tests and document the results.

Smoothly adapt to change

Due to modularity, last minute changes during installation are no longer a problem. Change or add functional units with minimal effort and time. Easily adapt to changing facility requirements by adding functional units or additional enclosures with the same assurance of performance in terms of continuity of service and safety.



100%

- > Of switchboard architectures are tested in compliance with IEC standards
- > Fully customizable architectures

Technical Data

Electrical

Rate operational voltage	Ue	Up to 690V (depend of the used component)
Rated impulse withstand voltage	Uimp	4 kV – 12 kV (depend of the used component)
Rated insulation voltage	Ui	Up to 1000V (depend of the used component)
Rated frequency	F	50/60Hz
Rated current	I	Maximum 3200A
Peak current	Ipk	187kA
Rated short-circuit withstand current of busbar system	Icw	Max. 85kA rms/1s

Mechanical

Modularity/Pitch	1E = 25mm	
Number of vertical modules	36	
Dimensions	Height	2000mm
	Depth	500 & 600mm (up to 1600A) 800mm (up to 3200A)
	Width	700mm (for Prisma P functional units) 300mm (for cable entry/busbar system)
Protection degree	IP	55
	IK	10
		8 for glass door
Internal separation form		Up to 3
Maximum admissible load		1000Kg
Associability		Width and Depth
Colour		RAL 7035 epoxy-polyester for structure RAL 9001 for Prisma functional units

Standards

Type testing and forms		IEC 61439-2
Protection degrees	IP	IEC 60529
	IK	IEC 62262

The Prisma Plus System for Spacial SF (SFP) perfectly incorporates Schneider Electric switchgear:

- > Air circuit breaker: Masterpact™ NT, NW, etc.
- > Molded case circuit breaker: NSX, NS, Easycompact™
- > Modular devices: Multi 9™, Acti 9™, etc.
- > Source change over
- > Fuses switches: Fupact™
- > Switches: Interpact™
- > Speed drives: Altivar™
- > Motor and control: Tesys™
- > Control and signaling units: Harmony™ push-buttons
- > Etc.

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