

QUICK

Small electrical cabinets
for industrial, civil and
service sector up to 250 A



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QUICK

Small electrical cabinets for industrial, civil and service sector up to 250 A (IP30 – IP55, from FORM 1 to FORM 2)



- Better access from the front with the increase in the width and easy disassembly of the frames independently fixed. Same internal accessories available for Slim, Easy and Compact series thanks to the ModularDIN™ system that enables rapidity and precision of the assembly of modular circuit breakers.
- Main characteristics
- Monoblock structure made of welded sheet with a thickness of 1,2 mm.
 - Degree of protection from IP31 (open version) to IP55 with blind door or transparent door with toughened glass.
 - Top and bottom completely removable.
 - Possibility of vertical connection and frame for recessed mounting.
 - Installation of circuit breakers of all leading manufacturers (ABB, Schneider, Siemens, etc.).
 - Epoxy powder coating after phosphating in RAL 7035 B (other colours on request).
 - Patented and certified earth connection system.
 - Full range of internal finishing accessories to provide solutions for any requirement.
 - On request, stainless steel small cabinet.

Typology



Small cabinet: Mono-block structure made of welded sheet with a thickness 12/10mm.



Cabinet with cable housing: Mono-block structure made of welded sheet with a thickness 12/10 mm with cable housing, terminal block or busbar system.



Top and bottom: made of sheet 10/12 mm thick, easily removable and designed for the connection of wiring channels of the most known brands



Cable ducting plate: plate made of Aluzinc sheet steel with gasket. Hole compatible with fastening systems of cable ducting commercially available.



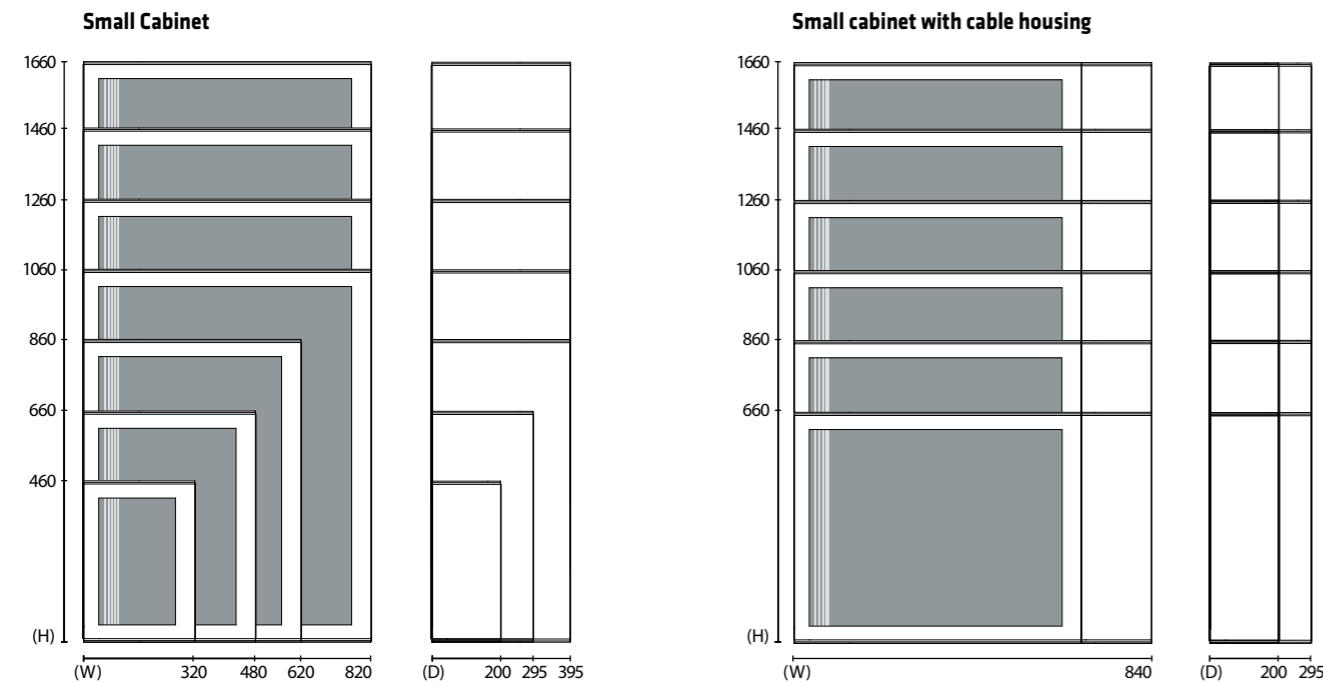
Inox: on request, stainless steel cabinet.



Technical specifications

	Width (W) mm	Height (H) mm	Depth (D) mm	
Small cabinet	320 (11 modules)			
	480 (16 modules)	460 / 660 / 860 / 1060 / 1260 / 1460 / 1660 (usable space = H - 60)	200 / 295 / 395 (usable space = P - 75)	
	620 (24 modules)			
	820 (34 modules)			
Small cabinet with cablehousing	840 (24 modules)			660 / 860 / 1060 / 1260 / 1460 / 1660 (usable space = H - 60)
Electrical data		Rated insulation voltage (U _i)	690 V	
	Voltage ratings	Rated operational voltage (U _e)	400 V	
		Rated impulse withstand voltage (U _{imp})	6 / 8 / 12 kV	
		Rated frequency (f _n)	50 / 60 Hz	
	Current ratings	Rated current (I _n)	Up to 250 A	
		Rated short-time withstand current for 1 sec. (I _{cw})	15 kA	
Mechanical characteristics	IP degree of protection	Internal	Up to IP2X	
		External enclosure	From IP31 to IP55	
	Covers height (h)	150 / 200 / 300 / 400 / 500 / 600 / 700 / 800 / 900 / 1000		
	IK test (shock resistance)	IK09 glazed door		
		IK10 blind door		
	Access	From the front		
	Execution	Form 1		
	Material	Structure	Pickled plate, 12/10 mm thick	
		Accessories	Aluzinc® sheet steel, 115/10 mm thick	
	Powder coating	Standard	RAL 7035 B light grey (orange peel)	
On request		Powder RAL colours and stainless steel		
Plastic components	Halogen-free, flame retardants, self-extinguishing, CFC-free			

All Lafer cabinets have been designed to be used in indoor environments. In case of outdoor applications, customers should require the supply of the specific rain cover. Lafer shall not be held liable for any damage resulting from the non-observance of these guidelines



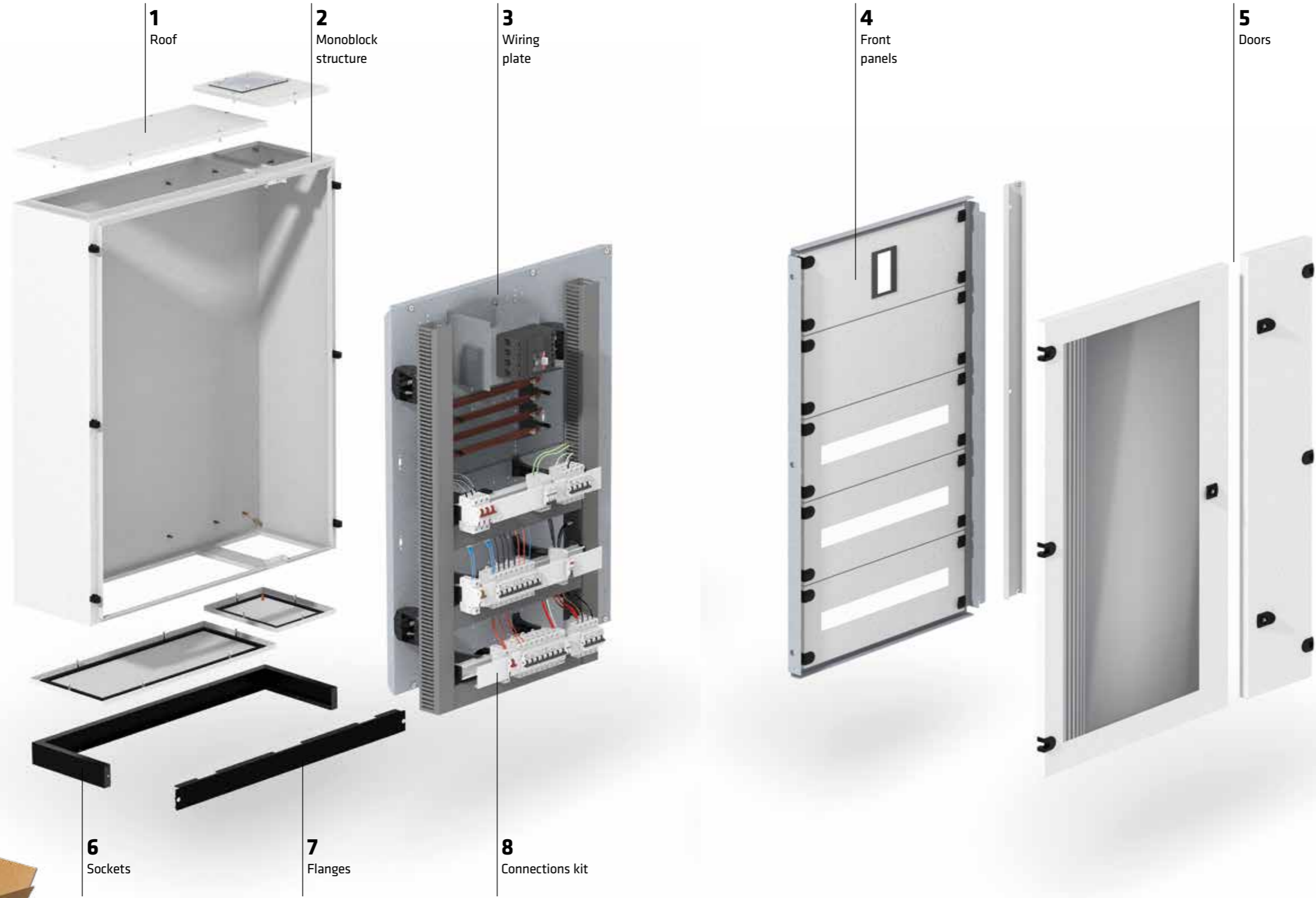
Certifications



Characteristics to be verified	Clause/Subclause		Design verification method	Test report n°
Degree protection of the assembly of enclosures	10.3	IP55	BY TEST	A9028008 CESI
Mechanical impacts (IK)	10.2.6	IK9	BY TEST	EPT16AVM034154359 EUROFINS
		IK10	BY TEST	EPT16AVM033854359 EUROFINS
Temperature rise limits	10.10.4.2	Single-compartment assemblies with rated current not higher than 630 A	Verification by calculation according to the method of power losses	
Clearances	10.4		BY TEST	Lafer quality control protocol
Creepage distances	10.4		BY TEST	Lafer quality control protocol
Verification of the short-circuit withstand of the protection circuit	10.5.3	Flat copper 60 kA	- BY TEST - By comparison with a reference design	B0015061 CESI
Verification of the short-circuit withstand strength	10.11	Inclined flat copper busbar 16 kA	- BY TEST - By comparison with a reference design	MP-95_001169 CESI



Constructive sections



Quick panels are available as already **assembled panels**.

With Express delivery you receive your cabinet in a disassembled version in record time
All our products come with comprehensive instructions ensuring a straightforward assembly process!



Download the brochure of the Quick series



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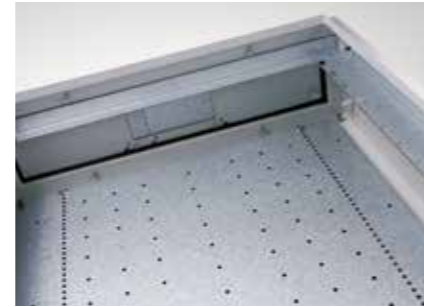


Download the technical catalog of the Quick series

Wiring modality



ModularDIN™ system: rapidity of assembly and disassembly of aluminium LDIN modular rails with the new joint system without screws. It is compatible with the most splitter blocks commercially available.



Wiring plate: plate made of Aluzinc sheet steel with a thickness of 1,5 mm, removable from the front for bench wiring. Plate with multiple holes to fasten ModularDIN™ and supports of any brand of circuit breakers.

Outer details



Glass door: made of sheet 1,5 mm thick with grey toughened glass.



Blind door: it is possible to replace the glass door with the blind door. The blind door is made of sheet 1,5 mm thick with a gasket to guarantee the IP55 degree. On request, holes for devices and circuit breakers.



Hinges and locks: : an exclusive system developed by Lafer that enables a quick opening and closing of covers through screws by ¼ turn. All covers are reversible: it is possible to invert the locks with the hinges in few seconds



Holed covers: covers arranged with holes for devices and circuit breakers of any brand. According to the type of circuit breaker used, we supply a specific support kit



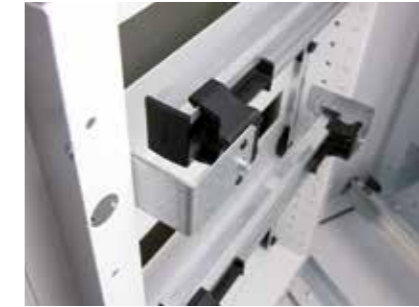
Connection frame: : it allows a vertical connection between two small cabinets

Plinth: available with a height of 60 or 120 mm.

Inner details



IP55 standard: small cabinet with glass door and inner covers



Swivel frame: frontal glass door with hinged covers fixed on a swivel frame in order to get directly to the wiring plate.



Double section: Thanks to this system it is possible to open the frontal part of the small cabinet and get directly to the wiring plate.



IP31 frame: it is possible to replace the glass door or the blind door with the IP31 frame. This solution is possible both with covers and with inner door.



Inner door: designed with glass door and inner door.



Vertical frames: easily removable as they are fixed to the structure independently.



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