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Metal distribution cabinets and enclosures XL³ HP 630

1. GENERAL CHARACTERISTICS

The XL³ HP 630 enclosures and cabinets allow energy distribution up to 630 A, available in widths of 12, 24, or 36 modules and with a total height ranging from 806 to 2006 mm.
36-module enclosures can be fitted with an internal cable sleeve.
12-module enclosures can be used as an external cable sleeve.
They are supplied for assembly with functional uprights fixed to the back (with markings indicating equipment mounting positions) and pre-cut panels. They can be equipped with a solid metal door or a flat glass door.
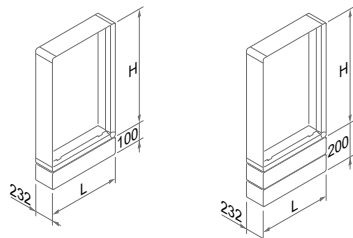Mounting is possible on the floor with a base or on the wall.
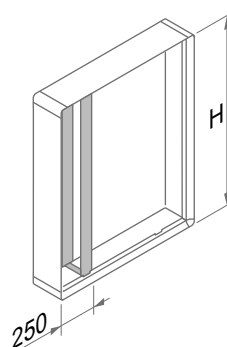Suitable for residential, commercial, and light industrial installations.

2. DIMENSIONS

■ 2.1 Dimensions and weight

Configuration examples

	Faceplate height (mm)	H (mm)	W (mm)	D (mm)	Weight (kg)
12 modules					
2AR07512	750	806			12.29
2AR09012	900	956			14.04
2AR10512	1050	1106			15.78
2AR12012	1200	1256			17.53
2AR13512	1350	1406	400	232.2	19.26
2AR15012	1500	1556			21.01
2AR16512	1650	1706			22.76
2AR18012	1800	1856			24.50
2AR19512	1950	2006			26.25

	Faceplate height (mm)	H (mm)	W (mm)	D (mm)	Weight (kg)
24 modules					
2AR07524	750	806			14.73
2AR09024	900	956			16.71
2AR10524	1050	1106			18.68
2AR12024	1200	1256			20.66
2AR13524	1350	1406	600	232.2	22.94
2AR15024	1500	1556			24.92
2AR16524	1650	1706			26.90
2AR18024	1800	1856			28.89
2AR19524	1950	2006			30.87
36 modules					
2AR07536	750	806			17.61
2AR09036	900	956			19.84
2AR10536	1050	1106			22.11
2AR12036	1200	1256			25.03
2AR13536	1350	1406	850	232.2	27.29
2AR15036	1500	1556			29.56
2AR16536	1650	1706			31.83
2AR18036	1800	1856			34.11
2AR19536	1950	2006			36.38

Internal cable sleeve width : 250 mm

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Cat.Nos : 2AR07512/24/36 - 2AR09012/24/36
2AR10512/24/36 - 2AR12012/24/36 - 2AR13512/24/36
2AR15012/24/36 - 2AR16512/24/36 - 2AR18012/24/36
2AR19512/24/36

2. DIMENSIONS (SUITE)

■ 2.2 Doors

The doors are fitted with a rod mechanism featuring two locking points (top and bottom) and a sealing gasket.
They are supplied with a handle to be installed
- 1/4 turn handle for doors with a height less than or equal to 1350 mm
- Lever handle for doors with a height from 1500 to 1950 mm

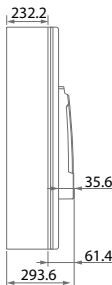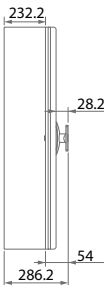**Flat metal door**   **Flat glass door**

Faceplate / solid door distance: 63 mm
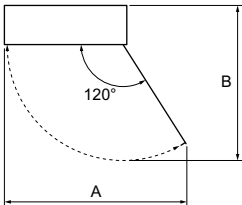Faceplate / glass door distance: 59 mm

■ 2.3 Dimensions of enclosures with doors

1/4-turn handle   Lever handle

	A (mm)	B (mm)
12 modules	585.3	629
24 modules	885.3	829
36 modules	1266	1083

3. TECHNICAL CHARACTERISTICS

■ 3.1 Degree of protection
IP 30 with faceplate and without door, IP 40 with door, and IP 43 with door and gasket, Cat. No. 2KIP43
IK 07 without door, IK 08 with door

■ 3.2 Material characteristics
Color: Grey RAL 7035, epoxy-polyester powder coating applied by electrostatic process, coating thickness 50/70 µm
Rear panel in galvanized steel sheet, thickness 12/10 mm
Side panels in painted steel sheet, thickness 10/10 mm
Top and bottom panels in painted steel sheet, thickness 10/10 mm
Faceplate in painted steel sheet, thickness 10/10 mm
Mounting plate in galvanized steel sheet, thickness 15/10 mm or 20/10 mm
Flat metal door: thickness 12/10 mm
Glass door: tempered glass thickness 4 mm with metal frame thickness 12/10 mm

Halogen-free
Glow wire test at 750°C

■ 3.3 Electrical characteristics
Rated current (In): 630 A
Rated operational voltage (Ue): 415 V AC - 50/60 Hz
Rated insulation voltage (Ui): 690 V AC - 50/60 Hz
Rated impulse withstand voltage (Uimp): up to 8 kV
Short-circuit current (Icc): 50 kA
Rated short-time withstand current (Icw): 36 kA / 0.5 s with aluminum bars

■ 3.4 Climatic characteristics
Storage and installation temperature : -10°C to +70°C
Operating temperature : -5°C to +40°C
Indoor installation required
Corrosion resistance according to standard IEC 61439

4. MAINTENANCE

> **Caution:** For specific cleaning products, prior testing is required..

Surface cleaning with cloth.
Resistant to: hexane, methylated spirits, soapy water, diluted ammonia, 10% diluted bleach, glass cleaner, pre-impregnated wipes.

5. STANDARDS AND REGULATIONS

Comply with the assembly requirements according to NF EN / IEC 61439-1 and 61439-2.

Compliant with regulations for public-access buildings (ERP) and workplaces (ERT)

RoHS
Compliance with the 2011/65/EU Directive (RoHS), as modified by the 2015/863/EU Delegated Directive, on the restriction of the use of certain hazardous substances in electrical and electronic equipment
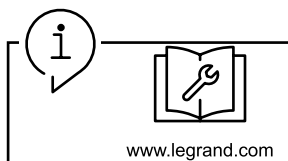
REACH
The substances identified as SVHC (Substances of Very High Concern) according to the REACH Regulation (1907/2006), if present in the products at a concentration above 0.1% weight by weight, are declared inside the European SCIP database. At the date of publication of this document none of the substance listed in the annex XIV is found in this product.

Packaging
Design and manufacture of packaging compliant with European Directive 94/62/CE.

**Metal distribution
cabinets and enclosures XL³ HP 630**

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2AR15012/24/36 - 2AR16512/24/36 - 2AR18012/24/36
2AR19512/24/36

6. OTHER INFORMATION

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Instruction sheet : detailed mounting procedures, available on e-catalog

Workshop manual : mounting information, equipment, accessories and other information available on e-catalog

PEP : available on e-catalog

XLPro4 Calcul : Calculation notes creation software, addressed to installers, design office and maintenance operators. Definition of the electrical characteristics of a low voltage installation in compliance with the applicable standards.

XLPro4 Panels : Distribution panel design software, addressed to panelbuilders and electrical panel designers. Design of the electrical distribution of the panel, production of electrical diagrams, establishment of products and overall costing of the project.