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Metal distribution cabinets and enclosures IP55 XL³ HP 630

Cat.Nos: 2AR07512IP55/24IP55/36IP55 - 2AR09012IP55/24IP55/36IP55 2AR10512IP55/24IP55/36IP55 - 2AR12012IP55/24IP55/36IP55 2AR13512IP55/24IP55/36IP55 - 2AR15012IP55/24IP55/36IP55 2AR16512IP55/24IP55/36IP55 - 2AR18012IP55/24IP55/36IP55 2AR19512IP55/24IP55/36IP55



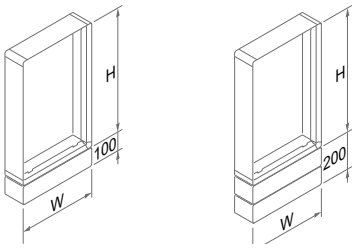
1. GENERAL CHARACTERISTICS

The XL³ HP 630 IP55 enclosures and cabinets allow energy distribution up to 630 A. They are available in widths of 12, 24, or 36 modules and with a total height ranging from 846 to 2046 mm.
36-module enclosures can be fitted with an internal cable sleeve.
12-module enclosures can be used as an external cable sleeve.
One-piece construction, supplied with assembled panels and functional uprights fixed to the back panel (with markings indicating equipment mounting positions).
Floor mounting is possible using an IP55 plinth.
Suitable for commercial/tertiary and industrial installations requiring specific resistance to moisture and dust.

2. DIMENSIONS

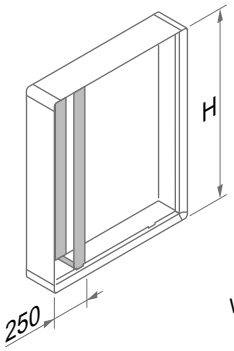
2.1 Dimensions and weight

Configuration examples



For depth dimensions, see the door section (p. 2)

	Faceplate height (mm)	H (mm)	W (mm)	Weight (kg)
12 modules				
2AR07512IP55	750	846	502.4	17.64
2AR09012IP55	900	996		20.31
2AR10512IP55	1050	1146		22.97
2AR12012IP55	1200	1296		25.64
2AR13512IP55	1350	1446		28.27
2AR15012IP55	1500	1596		30.91
2AR16512IP55	1650	1746		33.57
2AR18012IP55	1800	1896		36.23
2AR19512IP55	1950	2046		38.89
24 modules				
2AR07524IP55	750	846	702.4	20.43
2AR09024IP55	900	996		23.46
2AR10524IP55	1050	1146		26.47
2AR12024IP55	1200	1296		29.50
2AR13524IP55	1350	1446		32.48
2AR15024IP55	1500	1596		35.47
2AR16524IP55	1650	1746		38.48
2AR18024IP55	1800	1896		41.49
2AR19524IP55	1950	2046		46.39
36 modules				
2AR07536IP55	750	846	952.4	24.20
2AR09036IP55	900	996		27.67
2AR10536IP55	1050	1146		31.13
2AR12036IP55	1200	1296		34.59
2AR13536IP55	1350	1446		38.02
2AR15036IP55	1500	1596		41.45
2AR16536IP55	1650	1746		44.91
2AR18036IP55	1800	1896		48.36
2AR19536IP55	1950	2046		51.81



Width of internal cable sleeve: 250 mm

2. DIMENSIONS *(continued)*

■ 2.2 IP55 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
- 2 x 1/4 turn handles for doors with a height less than or equal to 1350 mm
- Lever handle for doors with a height from 1500 to 1950 mm

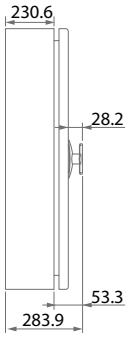
Glass door

Metal door

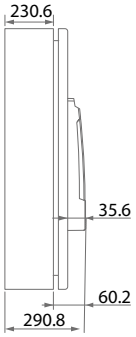
Faceplate / solid door distance: 63 mm
Faceplate / glass door distance: 59 mm

■ 2.3 Dimensions of enclosures with doors

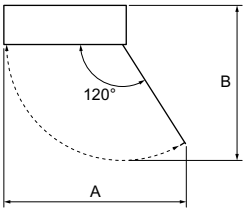
1/4-turn handle



Lever handle



	A (mm)	B (mm)
12 modules	906.37	500.24
24 modules	1034.42	843.78
36 modules	1409.39	1060.29



3. TECHNICAL CHARACTERISTICS

■ 3.1 Degree of protection

IP 55 with door
IK 08 with door, IK 07 without door

■ 3.2 Material characteristics

Color: Grey RAL 7035, epoxy-polyester powder coating applied by electrostatic process, coating thickness 50/70 µm
Rear, top and bottom panels in painted steel sheet, thickness 15/10 mm
Side panels in painted steel sheet, thickness 12/10 mm
Faceplate in painted steel sheet, thickness 10/10 mm
Mounting plate in galvanized steel sheet, thickness 15/10 mm or 20/10 mm
Solid 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

Thermal Dissipation Table with a Maximum Permissible Current of 630 A and a Temperature Rise (ΔT) of 30 K.
Configuration: The rear surface is in contact with a wall, all other surfaces are free.

Determination by testing of the maximum heat dissipation capacity of an enclosure according to IEC 61439-1 (section 10.10.4).
Determination by testing of the maximum heat dissipation capacity of an enclosure according to IEC 62208-1.

Cat.Nos	Dissipated Power (W)
12 modules	
2AR07512IP55	220
2AR09012IP55	264
2AR10512IP55	306
2AR12012IP55	349
2AR13512IP55	354
2AR15012IP55	340
2AR16512IP55	376
2AR18012IP55	398
2AR19512IP55	394
24 modules	
2AR07524IP55	263
2AR09024IP55	289
2AR10524IP55	335
2AR12024IP55	360
2AR13524IP55	360
2AR15024IP55	393
2AR16524IP55	419
2AR18024IP55	430
2AR19524IP55	447
36 modules	
2AR07536IP55	336
2AR09036IP55	354
2AR10536IP55	390
2AR12036IP55	422
2AR13536IP55	427
2AR15036IP55	453
2AR16536IP55	479
2AR18036IP55	493
2AR19536IP55	534

■ 3.4 Mechanical characteristics

Maximum load with lifting ringsCat.No 2KLIFTA : 500 kg/m³

■ 3.5 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

■ 3.6 Seismic Withstand Capability

Seismic test – Zone 4, K = 1.5 according to IEC 60068-3-3:2019

4. MAINTENANCE

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

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

5. STANDARDS AND REGULATIONS

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

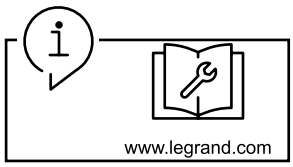
Compliant with regulations for public-access buildings and workplaces

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.

6. OTHER INFORMATION



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.