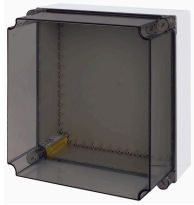
DATASHEET - CI44X-250-NA



Insulated enclosure, smooth sides, HxWxD=375x375x275mm, NA type

Part no. CI44X-250-NA
Catalog No. 002224

EL-Nummer (Norway) 2502039

Powering Business Worldwide™

Delivery program

Product range		xEnergy Safety Ci
Basic function		Basic enclosures
Product function		Individual enclosure for North America Individual enclosures with covers
Single unit/Complete unit		Stand-alone device
Standards		UL508A
Degree of Protection		IP65
Description		Smooth side plates, without knockouts Sealable cover fasteners Include fixing straps for wall mounting
Colour		RAL 7035, light gray (base) Transparent, smoky gray (cover)
Dimensions		
Width	mm	375
Height	mm	375
Depth	mm	275
Mounting depth:	mm	250
Type cover		Transparent
Model base		RAL 7035, smooth sides

Technical data

General

Standards		UL508A
Climatic proofing		Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature	°C	-40 - +80
Degree of Protection		IP65
Operating and ambient conditions to VDE 0660 Part 500		
Surface finish		RAL 7035 (base)

Material characteristics

Surface treatment		Resistant to corrosion
Surface finish		RAL 7035 (base)

Material properties

Electrical		
Track resistance		KB160, KC175 (base, to IEC 60112) KB100, KC200 (cover, to IEC 60112)
Surface resistance to IEC 60093	$\Omega \times 10^{13}$	1
Dielectric strength to IEC 60243-1	kV/mm	30
Mechanical		
Impact resistance		please require
Atmospheric		
Saline spray		IEC 60068-2-11
UV resistance		Beneath protective shield
Water consumption to DIN EN ISO 62	%	0.29

Design verification as per IEC/EN 61439

Technical data for design verification		
Heat dissipation, at an ambient temperature of 35°C, delta T: 20 degrees in top of the enclosure, calculated as per IEC 60890		

Individual enclosure for wall mounting	P_V	W	34
Starting enclosure for wall mounting	P_V	W	32
Middle enclosure for wall mounting	P_V	W	29
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees in top of the enclosure, calculated as per IEC 60890			
Individual enclosure for wall mounting	P_V	W	69
Starting enclosure for wall mounting	P_V	W	64
Middle enclosure for wall mounting	P_V	W	59
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			Lower part: 960 °C / cover: 850 °C; meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			Not relevant to indoor installations.
10.2.5 Lifting			20 kg per enclosure with support frame and lifting aid met; assembled and secured as per the latest applicable instruction leaflet.
10.2.6 Mechanical impact			IK10
10.2.7 Inscriptions			Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES			IP65
10.4 Clearances and creepage distances			Is the panel builder's responsibility.
10.5 Protection against electric shock			Protection class 2, therefore not applicable.
10.6 Incorporation of switching devices and components			Is the panel builder's responsibility.
10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
10.8 Connections for external conductors			Is the panel builder's responsibility.
10.9 Insulation properties			
10.9.2 Power-frequency electric strength			U_i = 1000 V AC
10.9.3 Impulse withstand voltage			8 kV
10.9.4 Testing of enclosures made of insulating material			Meets the product standard's requirements.
10.10 Temperature rise			The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating			Is the panel builder's responsibility.
10.12 Electromagnetic compatibility			Is the panel builder's responsibility.
10.13 Mechanical function			Meets the product standard's requirements.

Technical data ETIM 8.0

Distribution boards (EG000023) / Empty cabinet (EC000058)

Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (incl. small distribution board) / Empty cabinet (small distribution board) (ecl@ss10.0.1-27-14-24-08 [ACN385011])

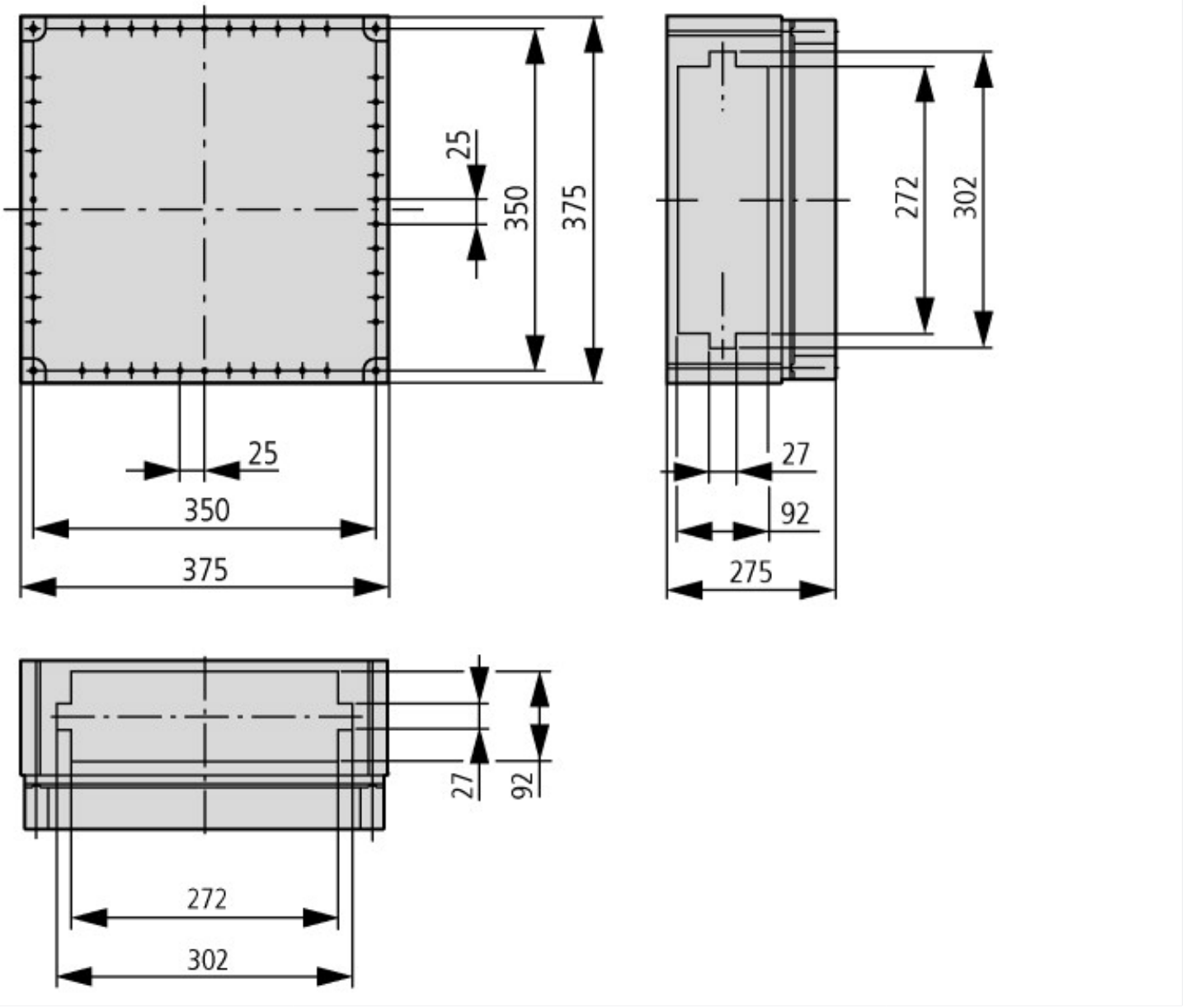
Mounting method			Surface mounted (plaster)
Type of cover			Optional
Cover model			Closed
Type of door			None
Transparent cover/door			Yes
With lock			No
Nominal current (In)		A	1600
Height		mm	375
Width		mm	375
Depth		mm	275
Built-in depth		mm	250
Internal depth		mm	250
Material plate thickness cabinet		mm	9
Material plate thickness door/cover		mm	6
Colour			Grey
RAL-number			7035
Number of modules			1

Number of rows	0
Width in number of modular spacings	15
Number of openings for flange plates	0
Extension possible	No
Number of conduit inlets	0
Material housing	Plastic
Surface protection	Other
With mounting plate	No
Suitable for outdoor use	Yes
Suitable for lightning protection	Yes
Degree of protection (IP)	IP65
Degree of protection (NEMA)	4X
Protection class	II
Impact strength	IK10
Circuit integrity	Other
Cover with overpressure release	Yes

Approvals

Product Standards	UL 508A; CSA-C22.2 No.94; IEC/EN62208; CE marking
UL File No.	E499317
UL Category Control No.	NITW
North America Certification	UL listed
Specially designed for North America	Yes
Suitable for	Industrial Control Panels
Degree of Protection	IEC: IP65; UL/CSA Types 1, 12, 13, 4X, indoor only

Dimensions



Additional product information (links)

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allowInterrupt=1&RevisionSelectionMethod=LatestReleased&noSaveAs=0&Rendit Save time – we assist you with expert pre-assembly	http://www.eaton.eu/DE/ecm/idcplg?IdcService=GET_FILE&amp
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