

DATASHEET - CI45X-200-NA



Insulated enclosure, smooth sides, HxWxD=500x375x225mm, NA type



Part no. **CI45X-200-NA**
Catalog No. **264023**

EL-Nummer
(Norway) **2502418**

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	500
Depth		mm	225
Mounting depth:		mm	200
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	36
Starting enclosure for wall mounting	P _V	W	33
Middle enclosure for wall mounting	P _V	W	31
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	72
Starting enclosure for wall mounting	P _V	W	67
Middle enclosure for wall mounting	P _V	W	62
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			30 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 7.0

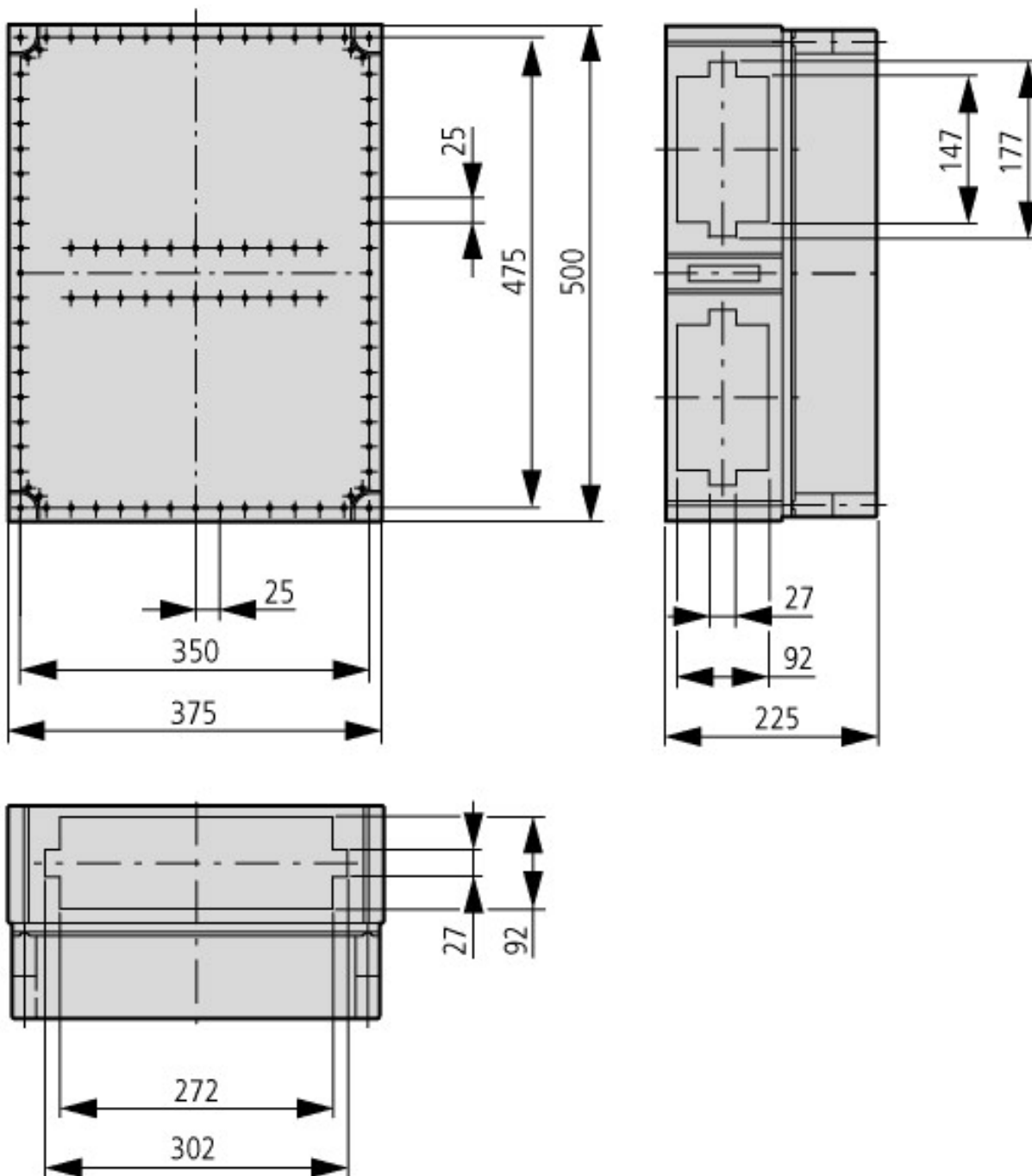
Distribution boards (EG000023) / Empty cabinet (EC000058)			
Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (incl. small distribution board) / Empty cabinet (small distribution board) (ecl@ss10.0.1-27-14-24-08 [ACN385011])			
Mounting method			Surface mounted (plaster)
Type of cover			Cover
Cover model			Closed
Type of door			None
Transparent cover/door			Yes
With lock			No
Nominal current (In)		A	1600
Height		mm	500
Width		mm	375
Depth		mm	225
Built-in depth		mm	200
Internal depth		mm	200
Plate thickness cabinet		mm	9
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			17
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

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)

http://www.eaton.eu/DE/ecm/idcplg?IdcService=GET_FILE&allowInterrupt=1&RevisionSelectionMethod=LatestReleased&noSaveAs=0&Render=1 model certification xEnergy Safety Ci

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

http://www.eaton.eu/DE/ecm/idcplg?IdcService=GET_FILE&allowInterrupt=1&RevisionSelectionMethod=LatestReleased&noSaveAs=0&Render=1 product information xEnergy Safety Ci