

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



Part no. CI45X-200-NA
264023
EL Number 2502418
(Norway)

General specifications		
Product name		Eaton xEffect Ci Enclosures Switch- & Controlgear Enclosure
Part no.		CI45X-200-NA
EAN		4015082640231
Product Length/Depth		225 millimetre
Product height		500 millimetre
Product width		375 millimetre
Product weight		4.9 kilogram
Compliances		CE marking IEC/EN62208 UL 508A CSA-C22.2 No.94 RoHS conform
Certifications		UL (Category Control Number NITW) UL (File No. E499317) UL listed UL508A Specially designed for North America
Product Tradename		xEffect Ci
Product Type		Enclosures
Product Sub Type		Switch- & Controlgear Enclosure
Delivery program		
Type		Basic enclosure Individual enclosure for North America Individual enclosures with covers xEnergy Safety Ci
Color		Transparent, smoky gray (cover) Gray Light gray (RAL 7035, base)
Nominal current		1600 A
Technical Data - Electrical		
Dielectric strength		30 kV/mm
Creepage resistance		KB160, KC175 (base, to IEC 60112) KB100, KC200 (cover, to IEC 60112)
Circuit integrity		Other
Technical Data - Mechanical		
Unit type		Stand-alone device
Base type		RAL 7035, smooth sides
Surface finishing		RAL 7035, light gray (base) Resistant to corrosion
Surface protection		Other
Surface treatment		Resistant to corrosion
Enclosure material		Plastic
Width in number of modular spacings		17
Mounting depth		200 mm
Mounting method		Surface mounted (plaster)
Degree of protection		IK10 UL/CSA Types 1, 12, 13, 4X, indoor only IP65 4X (NEMA) IP65 (IEC)
Number of conduit inlets		0
Number of modules		1
Number of openings (flange plates)		0
Number of rows		0
Built-in depth		200 mm
Internal depth		200 mm

Cover/door color		Transparent
Cover/door model		Closed
Cover/door type		Cover None Transparent
Plate thickness (cabinet)		9 mm
Plate thickness (cover/door)		6 mm
Saline spray resistance		IEC 60068-2-11
Climatic proofing		Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
Temperature-rise verification as per IEC 60890		
Heat diss. ambient 35°C delta T: 20°C wall mount middle encl. top (IEC 60890)		31 W
Heat diss. ambient 35°C delta T: 35°C wall mount middle encl. top (IEC 60890)		62 W
Heat diss. ambient 35°C delta T: 20°C wall mount individ. encl. top (IEC 60890)		36 W
Heat diss. ambient 35°C delta T: 20°C wall mount starting encl. top (IEC 60890)		33 W
Heat diss. ambient 35°C delta T: 35°C wall mount individ. encl. top (IEC 60890)		72 W
Heat diss. ambient 35°C delta T: 35°C wall mount starting encl. top (IEC 60890)		67 W
Design verification as per IEC/EN 61439 - technical data		
Ambient operating temperature details		-40 °C - 80 °C
Design verification as per IEC/EN 61439		
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 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects		Lower part: 960 °C / cover: 850 °C
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.
10.9.2 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.
Additional information		
Features		UV resistance beneath protective shield Cover with overpressure release
Protection class		II
RAL-number		7035
Special features		Smooth side plates, without knockouts Sealable cover fasteners Include fixing straps for wall mounting
Suitable for		Lightning protection Outdoor use
Surface resistance (IEC 60093)		10
Used with		Industrial control panels

Technical data ETIM 9.0

Distribution boards (EG000023) / Empty cabinet (EC000058)

Mounting method			Surface mounted
Type of covering			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
Inner depth		mm	200
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			17
Number of openings for flange plates			0
Extension possible			No
Number of conduit inlets			0
Housing material			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