

Insulated enclosure, +knockouts, HxWxD=500x375x225mm



Part no. CI45E-200
001891
EL Number 4132086
(Norway)

General specifications		
Product name		Eaton xEnergy Safety Ci empty enclosure insulated
Part no.		CI45E-200
EAN		4015080018919
Product Length/Depth		225 millimetre
Product height		500 millimetre
Product width		375 millimetre
Product weight		4.281 kilogram
Compliances		RoHS conform
Certifications		EN 62208 EN 61439-2
Product Tradename		xEnergy Safety Ci
Product Type		Empty enclosure
Product Sub Type		Insulated
Delivery program		
Type		Basic enclosure Individual enclosures xEnergy Safety Ci
Color		Gray Transparent, smoky gray (cover) Light gray (RAL 7035, base)
Nominal current		1600 A
Technical Data - Electrical		
Circuit integrity		Other
Technical Data - Mechanical		
Unit type		Single unit
Surface finishing		Resistant to corrosion
Surface protection		Other
Surface treatment		Resistant to corrosion
Enclosure material		Plastic
Width in number of modular spacings		17
Mounting depth with mounting plate		200 mm
Mounting method		Surface mounted (plaster)
Material		Glass-fibre reinforced polycarbonate (base) Halogen free Non-reinforced polycarbonate (cover)
Degree of protection		Other IK10 IP65
Number of conduit inlets		104
Number of modules		1
Number of openings (flange plates)		6
Number of rows		0
Built-in depth		200 mm
Internal depth		200 mm
Cover/door color		Transparent
Cover/door model		Closed
Cover/door type		None Optional
Plate thickness (cabinet)		6 mm
Plate thickness (cover/door)		6 mm
Saline spray resistance		IEC 60068-2-11

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		
Temperature resistance		Temperature resistant: -40 °C - 120 °C (enclosure) Temperature resistant: 80 °C (gasket) Temperature resistant: 85 °C (enclosure bolt)
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		Ui = 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
Flammability characteristics (UL)		V1 (base) (UL94) V2 (cover) (UL94)
Functions		Extension possible
Protection class		II
RAL-number		7035
Special features		With metric knockouts in all sides of the enclosure Include fixing straps for wall mounting Sealable cover fasteners Full-area knockouts in the sides can be converted to a distribution board enclosure Integrated pressure-relief mechanism for short-circuits
Suitable for		Lightning protection Outdoor use
Used with		Eaton Switching and protection devices

Technical data ETIM 9.0

Distribution boards (EG000023) / Empty cabinet (EC000058)		
Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (including small distribution board) / Empty cabinet (small distribution board) (ecl@ss13-27-14-24-08 [ACN385016])		
Mounting method		Surface mounted
Type of covering		None
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	6
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		6
Extension possible		Yes
Number of conduit inlets		104
Housing material		Plastic
Surface protection		Other
With mounting plate		No
Suitable for outdoor use		Yes
Suitable for lightning protection		Yes
Degree of protection (IP)		Other
Degree of protection (NEMA)		Other
Protection class		II
Impact strength		Other
Circuit integrity		Other
Cover with overpressure release		Yes