

Insulated enclosure, top+bottom open, HxWxD=375x375x175mm



Part no. CI44-150
017198
EL Number 4132016
(Norway)

General specifications		
Product name		Eaton xEnergy Safety Ci empty enclosure insulated
Part no.		CI44-150
EAN		4015080171980
Product Length/Depth		175 millimetre
Product height		375 millimetre
Product width		375 millimetre
Product weight		2.633 kilogram
Compliances		RoHS conform
Certifications		EN 61439-2 EN 62208
Product Tradename		xEnergy Safety Ci
Product Type		Empty enclosure
Product Sub Type		Insulated
Delivery program		
Type		Basic enclosure Panel enclosures xEnergy Safety Ci
Color		Gray
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		15
Mounting depth with mounting plate		150 mm
Mounting method		Surface mounted (plaster)
Material		Non-reinforced polycarbonate (cover) Glass-fibre reinforced polycarbonate (base) Halogen free
Degree of protection		IK10 Other IP65
Number of conduit inlets		100
Number of modules		1
Number of openings (flange plates)		4
Number of rows		0
Built-in depth		150 mm
Internal depth		150 mm
Cover/door color		Transparent
Cover/door model		Closed
Cover/door type		None Transparent 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)			24 W
Heat diss. ambient 35°C delta T: 35°C wall mount middle encl. top (IEC 60890)			48 W
Heat diss. ambient 35°C delta T: 20°C wall mount individ. encl. top (IEC 60890)			27 W
Heat diss. ambient 35°C delta T: 20°C wall mount starting encl. top (IEC 60890)			26 W
Heat diss. ambient 35°C delta T: 35°C wall mount individ. encl. top (IEC 60890)			54 W
Heat diss. ambient 35°C delta T: 35°C wall mount starting encl. top (IEC 60890)			51 W
Design verification as per IEC/EN 61439 - technical data			
Temperature resistance			Temperature resistant: -40 °C - 120 °C (enclosure) Temperature resistant: 85 °C (enclosure bolt) Temperature resistant: 80 °C (gasket)
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			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.
10.9.2 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)			V2 (cover) (UL94) V1 (base) (UL94)
Functions			Extension possible
Protection class			II
RAL-number			7035
Special features			Housing prepared for distribution board Two sides closed, can be folded out two sides open Sealable cover fasteners Integrated pressure-relief mechanism for short-circuits
Suitable for			Lightning protection Outdoor use

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) (ec@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	375
Width	mm	375
Depth	mm	175
Built-in depth	mm	150
Inner depth	mm	150
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		15
Number of openings for flange plates		4
Extension possible		Yes
Number of conduit inlets		100
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		IK10
Circuit integrity		Other
Cover with overpressure release		Yes