DATASHEET - CI48-250

Insulated enclosure, top+bottom open, HxWxD=750x375x275mm

Powering Business Worldwide™

Part no.	**CI48-250**
	083642
EL Number (Norway)	**4132084**

General specifications

Product name	Eaton xEnergy Safety Ci empty enclosure insulated
Part no.	CI48-250
EAN	4015080836421
Product Length/Depth	275 millimetre
Product height	750 millimetre
Product width	375 millimetre
Product weight	6.13 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	17
Mounting depth with mounting plate	250 mm
Mounting method	Surface mounted (plaster)
Material	Halogen free Glass-fibre reinforced polycarbonate (base) Non-reinforced polycarbonate (cover)
Degree of protection	Other IP65 IK10
Number of conduit inlets	0
Number of modules	1
Number of openings (flange plates)	6
Number of rows	0
Built-in depth	250 mm
Internal depth	250 mm
Cover/door color	Transparent
Cover/door model	Closed
Cover/door type	Optional Transparent None
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)	44 W
Heat diss. ambient 35°C delta T: 35°C wall mount middle encl. top (IEC 60890)	88 W
Heat diss. ambient 35°C delta T:20°C wall mount individ. encl. top (IEC 60890)	52 W
Heat diss. ambient 35°C delta T:20°C wall mount starting encl. top (IEC 60890)	48 W
Heat diss. ambient 35°C delta T:35°C wall mount individ. encl. top (IEC 60890)	105 W
Heat diss. ambient 35°C delta T:35°C wall mount starting encl. top (IEC 60890)	96 W

Design verification as per IEC/EN 61439 - technical data

Temperature resistance	Temperature resistant: 80 °C (gasket) Temperature resistant: -40 °C - 120 °C (enclosure) 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	40 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	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) (ecl@ss13-27-14-24-08 [ACN385016])

Mounting method	Surface mounted
Type of covering	Optional
Cover model	Closed
Type of door	None
Transparent cover/door	Yes
With lock	No

Nominal current (In)		A	1600
Height		mm	750
Width		mm	375
Depth		mm	275
Built-in depth		mm	250
Inner depth		mm	250
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			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)			Other
Degree of protection (NEMA)			Other
Protection class			II
Impact strength			Other
Circuit integrity			Other
Cover with overpressure release			Yes