

Eaton 083642

Eaton xEnergy Safety Ci LV systems LV switchgear. Insulated enclosure, top+bottom open, HxWxD=750x375x275mm

PRODUCT NAME	Eaton xEnergy Safety Ci empty enclosure insulated
CATALOG NUMBER	083642
PRODUCT LENGTH/DEPTH	275 mm
PRODUCT HEIGHT	750 mm
PRODUCT WIDTH	375 mm
PRODUCT WEIGHT	6.13 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	EN 62208 EN 61439-2

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
TYPE	Basic enclosure Panel enclosures xEnergy Safety Ci
FEATURES	UV resistance beneath protective shield Cover with overpressure release
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.
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.

MCAD MODEL	ci48_250.stp ci48_250.dwg
	eaton-xenergy-safety-ci-subway-line-success-story-en-us.pdf
	eaton-xenergy-safety-ci-enclosure-brochure-br014001en-en-us.pdf
	eaton-xenergy-ci-safety-catalog-ca015006en-en-us.pdf
	eaton-insulated-boards-panel-xenergy-safety-ci-lv-systems-dimensions-005.eps
	eaton-enclosures-enclosure-xenergy-safety-ci-lv-systems-dimensions-009.eps
	eaton-enclosures-enclosure-xenergy-safety-ci-lv-systems-dimensions-014.eps
	eaton-enclosures-mounting-xenergy-safety-ci-lv-systems-dimensions-010.eps

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.
SURFACE FINISHING	Resistant to corrosion
DEGREE OF PROTECTION	Other IP65 IK10
ENCLOSURE MATERIAL	Plastic
SURFACE PROTECTION	Other
CHEMICAL RESISTANCE	Resistant against: acids < 10 %, mineral oil, alcohol, gasoline, greases, salt solutions Partly resistant to: Acids > 10 % Not resistant to: alkalis, benzene
CIRCUIT INTEGRITY	Other
UNIT TYPE	Single unit
BUILT-IN DEPTH	250 mm
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 MIDDLE ENCL. TOP (IEC 60890)	44 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 MIDDLE ENCL. TOP (IEC 60890)	88 W
HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	96 W
COLOR	Gray
COVER/DOOR COLOR	Transparent
COVER/DOOR MODEL	Closed
COVER/DOOR TYPE	Optional Transparent None
NUMBER OF OPENINGS (FLANGE PLATES)	6
PLATE THICKNESS (CABINET)	6 mm
PLATE THICKNESS (COVER/DOOR)	6 mm
RAL-NUMBER	7035
WIDTH IN NUMBER OF MODULAR SPACINGS	17
AMBIENT OPERATING TEMPERATURE DETAILS	-40 °C - 80 °C
MATERIAL	Halogen free Glass-fibre reinforced polycarbonate (base) Non-reinforced polycarbonate (cover)
MOUNTING METHOD	Surface mounted (plaster)
NUMBER OF ROWS	0
FUNCTIONS	Extension possible
TEMPERATURE RESISTANCE	Temperature resistant: 80 °C (gasket) Temperature resistant: -40 °C - 120 °C (enclosure)

	Temperature resistant: 85 °C (enclosure bolt)
FLAMMABILITY CHARACTERISTICS (UL)	V1 (base) (UL94) V2 (cover) (UL94)
PROTECTION CLASS	II
NUMBER OF MODULES	1
SURFACE TREATMENT	Resistant to corrosion
INTERNAL DEPTH	250 mm
MOUNTING DEPTH WITH MOUNTING PLATE	250 mm
NOMINAL CURRENT	1600 A
NUMBER OF CONDUIT INLETS	0
SUITABLE FOR	Lightning protection Outdoor use
SALINE SPRAY RESISTANCE	IEC 60068-2-11
ENCLOSURE MATERIAL QUALITY	Other
TYPE OF COATING	Other

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
:



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