

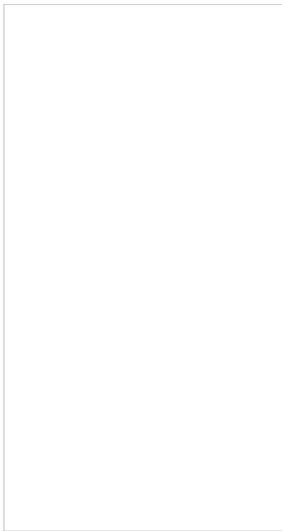
XENERGY SAFETY CI
083642


Overview


Specifications


Resources

How to



083642

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

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Designed to work together

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062367

Eaton xEnergy Safety Ci LV systems LV switchgear. Cable clamp, for 3 cables D=14-68mm

036320

Eaton xEnergy Safety Ci LV systems LV switchgear. Mounting plate, steel, galvanized, D=3mm, for CI48 enclosure

093200

Eaton xEnergy Safety Ci LV systems LV switchgear. Mounting plate;plastic;for CI48 enclosure

060620

Eaton xEnergy Safety Ci LV systems LV switchgear. Busbar support, for C375mm, hxD=20x5(10, 15)mm

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GENERAL SPECIFICATIONS

General specifications	>	PRODUCT NAME	Eaton xEnergy Safety Ci empty enclosure insulated
		CATALOG NUMBER	083642
Product specifications	>	MODEL CODE	CI48-250
		EAN	4015080836421
		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

PRODUCT SPECIFICATIONS

10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility.
CIRCUIT INTEGRITY	Other
TEMPERATURE RESISTANCE	Temperature resistant: 80 °C (gasket) Temperature resistant: -40 °C - 120 °C (enclosure) Temperature resistant: 85 °C (enclosure bolt)
PLATE THICKNESS (COVER/DOOR)	6 mm
RAL-NUMBER	7035
10.4 CLEARANCES AND CREEPAGE DISTANCES	Is the panel builder's responsibility.
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility.
PLATE THICKNESS (CABINET)	6 mm
MOUNTING METHOD	Surface mounted (plaster)
10.2.5 LIFTING	40 kg per enclosure with support frame and lifting aid and secured as per the latest applicable instruction le
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.
NUMBER OF OPENINGS (FLANGE PLATES)	6
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
CHEMICAL RESISTANCE	Resistant against: acids < 10 %, mineral oil, alcohol salt solutions Partly resistant to: Acids > 10 % Not resistant to: alkalis, benzene
COVER/DOOR MODEL	Closed

INTERNAL DEPTH	250 mm
MOUNTING DEPTH WITH MOUNTING PLATE	250 mm
SPECIAL FEATURES	Housing prepared for distribution board Two sides closed out two sides open Sealable cover fasteners Integrated mechanism for short-circuits
COLOR	Gray
UNIT TYPE	Single unit
BUILT-IN DEPTH	250 mm
FEATURES	UV resistance beneath protective shield Cover with overpressure release
10.9.3 IMPULSE WITHSTAND VOLTAGE	8 kV
10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS	Is the panel builder's responsibility.
10.5 PROTECTION AGAINST ELECTRIC SHOCK	Protection class 2, therefore not applicable.
COVER/DOOR COLOR	Transparent
SURFACE PROTECTION	Other
COVER/DOOR TYPE	Optional Transparent None
10.13 MECHANICAL FUNCTION	Meets the product standard's requirements.
10.2.6 MECHANICAL IMPACT	IK10
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Meets the product standard's requirements.
10.3 DEGREE OF PROTECTION OF ASSEMBLIES	IP65
NOMINAL CURRENT	1600 A
FLAMMABILITY CHARACTERISTICS (UL)	V1 (base) (UL94) V2 (cover) (UL94)
SUITABLE FOR	Lightning protection Outdoor use
SURFACE FINISHING	Resistant to corrosion
NUMBER OF ROWS	0
PROTECTION CLASS	II
WIDTH IN NUMBER OF MODULAR SPACINGS	17
HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	96 W
NUMBER OF CONDUIT INLETS	0
10.2.3.2 VERIFICATION OF RESISTANCE OF	Meets the product standard's requirements.

INSULATING MATERIALS TO NORMAL HEAT	
10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS	Lower part: 960 °C / cover: 850 °C
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	U _i = 1000 V AC
DEGREE OF PROTECTION	Other IP65 IK10
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: 35°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	105 W
10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	Is the panel builder's responsibility.
HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)	88 W
10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature Eaton will provide heat dissipation data for the device
MATERIAL	Halogen free Glass-fibre reinforced polycarbonate (base) Non-reinforced polycarbonate (cover)
FUNCTIONS	Extension possible
AMBIENT OPERATING TEMPERATURE DETAILS	-40 °C - 80 °C
HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	48 W
SALINE SPRAY RESISTANCE	IEC 60068-2-11
ENCLOSURE MATERIAL	Plastic
TYPE	Basic enclosure Panel enclosures xEnergy Safety Ci
10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Not relevant to indoor installations.
10.2.7 INSCRIPTIONS	Meets the product standard's requirements.
SURFACE TREATMENT	Resistant to corrosion
NUMBER OF MODULES	1

Catalogs

Drawings

Installation instructions

mCAD model

083642



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