

XENERGY SAFETY CI
012452



Overview

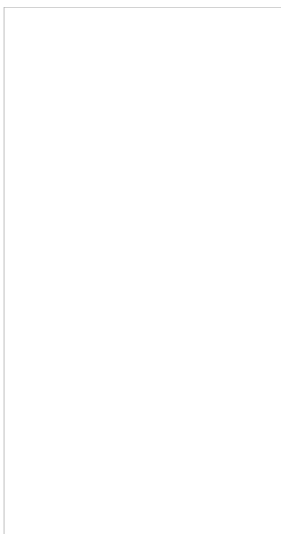


Specifications



Resources

How to



012452

Eaton xEnergy Safety Ci LV systems LV switchgear top+bottom open, HxWxD=375x375x150mm

[Access the Online Catalog](#)

GENERAL SPECIFICATIONS

General specifications >

PRODUCT NAME Eaton xEnergy Safety Ci empty enclosure insulated

CATALOG NUMBER 012452

Product specifications >

MODEL CODE CI44-125

EAN 4015080124528

PRODUCT LENGTH/DEPTH 150 mm

PRODUCT HEIGHT 375 mm

PRODUCT WIDTH 375 mm

PRODUCT WEIGHT 2.523 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	20 kg per enclosure with support frame and lifting aid and secured as per the latest applicable instruction leaflet
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.
NUMBER OF OPENINGS (FLANGE PLATES)	4
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
CHEMICAL RESISTANCE	Not resistant to: alkalis, benzene Resistant against: acids < 10 %, mineral oil, alcohol salt solutions Partly resistant to: Acids > 10 %
COVER/DOOR MODEL	Closed
INTERNAL DEPTH	125 mm
MOUNTING DEPTH WITH MOUNTING PLATE	125 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	125 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	7035

COVER/DOOR COLOR	Transparent
SURFACE PROTECTION	Other
COVER/DOOR TYPE	Optional None Transparent
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)	V2 (cover) (UL94) V1 (base) (UL94)
SUITABLE FOR	Outdoor use Lightning protection
SURFACE FINISHING	Resistant to corrosion
NUMBER OF ROWS	0
PROTECTION CLASS	II
WIDTH IN NUMBER OF MODULAR SPACINGS	15
HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	45 W
NUMBER OF CONDUIT INLETS	100
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
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	U _i = 1000 V AC
DEGREE OF PROTECTION	IP65 IK10 Other
HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	23 W
HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)	21 W
HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	47 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)	42 W

10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature Eaton will provide heat dissipation data for the devi
MATERIAL	Glass-fibre reinforced polycarbonate (base) Halogen free 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)	22 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

Brochures

Catalogs

Drawings

Installation instructions

mCAD model

012452



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