

Specifications



Eaton 001893

Eaton xEnergy Safety Ci LV systems LV switchgear. Base, individual enclosure, HxWxD=500x375x120mm

General specifications

PRODUCT NAME	Eaton xEnergy Safety Ci empty enclosure base
CATALOG NUMBER	001893
MODEL CODE	U-CI45E
EAN	4015080018933
PRODUCT LENGTH/DEPTH	120 mm
PRODUCT HEIGHT	500 mm
PRODUCT WIDTH	375 mm
PRODUCT WEIGHT	4.999 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	EN 61439-2 EN 62208



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Additional information

FEATURES	Cover with overpressure release
FUNCTIONS	Extension possible
PROTECTION CLASS	II
RAL-NUMBER	7035
SPECIAL FEATURES	Flanges □#024355 Distance frame for CI45... □#110103 Metric cable entry knockouts in all sides Full-area knockouts in the sides
SUITABLE FOR	Lightning protection Outdoor use

Delivery programme

ACCESSORY/SPARE PART TYPE	Individual enclosure bottoms
COLOR	Gray
NOMINAL CURRENT	1600 A
TYPE	Basic enclosure Enclosure bases xEnergy Safety Ci

Design verification to IEC/EN 61439

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	960 °C
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Not relevant to indoor installations.
10.2.5 LIFTING	30 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, with cover
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	Is the panel builder's

Technical data - electrical

CIRCUIT INTEGRITY

Other

ELECTRICAL CIRCUITS AND CONNECTIONS	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.

Technical data - mechanical

BASE TYPE	Full-area knockouts
CABLE ENTRY TYPE	2 x M20 Top and bottom Transverse 6 x M25/16 8 x M25/16 2 x M40/25 On each 2: 1 x M50/32
COVER/DOOR MODEL	Closed
COVER/DOOR TYPE	Optional None
DEGREE OF PROTECTION	IP65 Other IK10
ENCLOSURE MATERIAL	Plastic
NUMBER OF CONDUIT INLETS	104
NUMBER OF MODULES	1
NUMBER OF OPENINGS (FLANGE PLATES)	6
NUMBER OF ROWS	0
PLATE THICKNESS (CABINET)	6 mm
PLATE THICKNESS (COVER/DOOR)	6 mm
SURFACE PROTECTION	Other
UNIT TYPE	Modular system
WIDTH IN NUMBER OF MODULAR SPACINGS	17
BUILT-IN DEPTH	200 mm
INTERNAL DEPTH	100 mm
MOUNTING METHOD	Surface mounted (plaster)

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)** 25 W

**HEAT DISS. AMBIENT
35°C DELTA T:35°C WALL
MOUNT INDIVID. ENCL.
TOP (IEC 60890)** 53 W

**HEAT DISS. AMBIENT
35°C DELTA T:35°C WALL
MOUNT STARTING ENCL.
TOP (IEC 60890)** 51 W

Resources

BROCHURES	eaton-xenergy-safety-ci-subway-line-success-story-en-us.pdf
CATALOGUES	eaton-xenergy-ci-safety-catalog-ca015006en-en-us.pdf
DECLARATIONS OF CONFORMITY	eaton-empty-enclosure-declaration-of-conformity-eu250306en.pdf
DRAWINGS	eaton-enclosures-enclosure-xenergy-safety-ci-base-dimensions-004.eps eaton-enclosures-base-xenergy-safety-ci-3d-drawing-002.eps
INSTALLATION INSTRUCTIONS	05670392.pdf eaton-xenergy-safety-ci-enclosure-brochure-br014001en-en-us.pdf
MCAD MODEL	u_ci45e.stp eaton-front-access-switchboard-mcad-drawings-u-ci45e.dwg

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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