

Specifications



Eaton 083880

Eaton xEnergy Safety Ci LV systems LV switchgear. Base, HxWxD=750x375x120mm

General specifications

PRODUCT NAME	Eaton xEnergy Safety Ci empty enclosure base
CATALOG NUMBER	083880
MODEL CODE	U-CI48
EAN	4015080838807
PRODUCT LENGTH/DEPTH	150 mm
PRODUCT HEIGHT	750 mm
PRODUCT WIDTH	375 mm
PRODUCT WEIGHT	1.92 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	EN 62208 EN 61439-2

Additional information

FEATURES	Cover with overpressure release
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FUNCTIONS	Extension possible
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PROTECTION CLASS	II
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RAL-NUMBER	7035
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SPECIAL FEATURES

- Sides closed, but with full area knockout
- Open tip and bottom

SUITABLE FOR	Lightning protection Outdoor use
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Delivery programme

ACCESSORY/SPARE PART TYPE	Bases for panel enclosures
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COLOR	Gray
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NOMINAL CURRENT	1600 A
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TYPE	Basic enclosure
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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	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, 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	Closed, with full area knockout
CABLE ENTRY TYPE	Transverse FL4... flange Top and bottom
COVER/DOOR MODEL	Closed
COVER/DOOR TYPE	None Optional
DEGREE OF PROTECTION	IK10 IP65 Other
ENCLOSURE MATERIAL	Plastic
NUMBER OF CONDUIT INLETS	0
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	250 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)** 33 W

**HEAT DISS. AMBIENT
35°C DELTA T: 35°C WALL
MOUNT MIDDLE ENCL.
TOP (IEC 60890)** 67 W

**HEAT DISS. AMBIENT
35°C DELTA T: 20°C WALL
MOUNT INDIVID. ENCL.
TOP (IEC 60890)** 37 W

**HEAT DISS. AMBIENT
35°C DELTA T: 20°C WALL
MOUNT STARTING ENCL.
TOP (IEC 60890)** 35 W

**HEAT DISS. AMBIENT
35°C DELTA T: 35°C WALL
MOUNT INDIVID. ENCL.
TOP (IEC 60890)** 75 W

**HEAT DISS. AMBIENT
35°C DELTA T: 35°C WALL
MOUNT STARTING ENCL.
TOP (IEC 60890)** 71 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-base-xenergy-safety-ci-3d-drawing.eps](#)

INSTALLATION INSTRUCTIONS [05670392.pdf](#)
[eaton-xenergy-safety-ci-enclosure-brochure-br014001en-en-us.pdf](#)

MCAD MODEL [eaton-front-access-switchboard-mcad-drawings-u-ci48.dwg](#)
[u_ci48.stp](#)

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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