

Specifications



Eaton 069642

Eaton xEnergy Safety Ci LV systems LV switchgear. Base, individual enclosure, HxWxD=375x375x120mm

General specifications

PRODUCT NAME	Eaton xEnergy Safety Ci empty enclosure base
CATALOG NUMBER	069642
MODEL CODE	U-CI44E
EAN	4015080696421
PRODUCT LENGTH/DEPTH	150 mm
PRODUCT HEIGHT	375 mm
PRODUCT WIDTH	375 mm
PRODUCT WEIGHT	3.757 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	EN 61439-2 EN 62208

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

- Metric cable entry knockouts in all sides
- Full-area knockouts in the sides

SUITABLE FOR	Outdoor use Lightning protection
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Delivery programme

ACCESSORY/SPARE PART TYPE	Individual enclosure bottoms
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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	20 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	10 x M20 6 x M25/16 2 x M20 8 x M25/16 Transverse Top and bottom 2 x M16 1 x M63/40 2 x M40/25 1 x M50/32
COVER/DOOR MODEL	Closed
COVER/DOOR TYPE	Optional None
DEGREE OF PROTECTION	IK10 IP65 Other
ENCLOSURE MATERIAL	Plastic
NUMBER OF CONDUIT INLETS	100
NUMBER OF MODULES	1
NUMBER OF OPENINGS (FLANGE PLATES)	4
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	15
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)** 21 W

**HEAT DISS. AMBIENT
35°C DELTA T: 35°C WALL
MOUNT MIDDLE ENCL.
TOP (IEC 60890)** 42 W

**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 STARTING ENCL.
TOP (IEC 60890)** 22 W

**HEAT DISS. AMBIENT
35°C DELTA T: 35°C WALL
MOUNT INDIVID. ENCL.
TOP (IEC 60890)** 47 W

**HEAT DISS. AMBIENT
35°C DELTA T: 35°C WALL
MOUNT STARTING ENCL.
TOP (IEC 60890)** 45 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-003.eps eaton-enclosures-base-xenergy-safety-ci-3d-drawing-002.eps
INSTALLATION INSTRUCTIONS	eaton-xenergy-safety-ci-enclosure-brochure-br014001en-en-us.pdf 05670392.pdf
MCAD MODEL	eaton-front-access-switchboard-mcad-drawings-u-ci44e.dwg u_ci44e.stp

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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