

Specifications



Eaton 029766

Eaton xEnergy Safety Ci LV systems LV switchgear. MCB enclosure, 9HP, HxWxD=250x187.5x150mm

General specifications

PRODUCT NAME	Eaton xEnergy Safety Ci MCB enclosure
CATALOG NUMBER	029766
MODEL CODE	AE/I23E
EAN	4015080297666
PRODUCT LENGTH/DEPTH	150 mm
PRODUCT HEIGHT	250 mm
PRODUCT WIDTH	188 mm
PRODUCT WEIGHT	1.764 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	EN 62208 EN 61439-2

Additional information

FUNCTIONS

Prepared enclosure
Sealable

RAL-NUMBER

7035

SPECIAL FEATURES

- Metric cable entry knockouts in all sides
- Housings for e.g. built-in devices MCB, RCD, RCBO, AFDD
- Transparent cover with quick-release fasteners
- Metal mounting rail for snapping on devices
- 1 x Blanking strip for unused mounting locations
- Protective shroud with inscription label
- PE/N combi-plug-in terminals
- Fixing straps for wall fixing
- Sealable cover fasteners

Delivery programme

ACCESSORY/SPARE PART TYPE

MCB individual enclosures

COLOR

Gray

TYPE

- MCB individual enclosures
- Prepared enclosure
- 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	Lower part: 960 °C / cover: 850 °C; meets the product standard's requirements.
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Not relevant to indoor installations.
10.2.5 LIFTING	5 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
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 - mechanical

CLOSURE TYPE	Other
COVER/DOOR COLOR	Transparent
COVER/DOOR MODEL	Closed
COVER/DOOR TYPE	Door Transparent Single
DEGREE OF PROTECTION	IP65
ENCLOSURE MATERIAL	Plastic
INTERNAL DEPTH	150 mm
NUMBER AND CAPACITY OF TERMINAL (PE AND N)	On each 7 x (0.5 - 4 mm²) On each 1 x (2.5 - 25 mm²)
NUMBER OF MODULE SPACE UNITS (TOTAL)	9
NUMBER OF ROWS	1
UNIT TYPE	Stand-alone device
WIDTH IN NUMBER OF MODULAR SPACINGS	9
BUILT-IN DEPTH	100 mm
MOUNTING METHOD	Surface mounted (plaster) DIN-rail

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.

Temperature-rise verification as per IEC 60890

HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)	11 W
HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)	23 W
HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	13 W
HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	12 W
HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	26 W
HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	24 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-lighting-enclosure-xenergy-safety-ci-mcb-enclosure-dimensions.eps eaton-distribution-boards-enclosure-xenergy-safety-ci-mcb-enclosure-dimensions.eps
INSTALLATION INSTRUCTIONS	eaton-xenergy-safety-ci-enclosure-brochure-br014001en-en-us.pdf IL015090ZU
MCAD MODEL	ae_i23e.stp eaton-empty-consumer-units-mcad-drawings-ae-i23e.dwg

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



Eaton Corporation plc Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

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