

Specifications



Photo is representative

Eaton 098470

Eaton xEffect Ci Enclosures Switch- & Controlgear Enclosure. Base, smooth sides, HxWxD=500x375x120mm

General specifications

PRODUCT NAME	Eaton xEffect Ci Enclosures Switch- & Controlgear Enclosure
CATALOG NUMBER	098470
MODEL CODE	U-CI45X
EAN	4015080984702
PRODUCT LENGTH/DEPTH	120 mm
PRODUCT HEIGHT	500 mm
PRODUCT WIDTH	375 mm
PRODUCT WEIGHT	5.1 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	EN 60947-3 CSA Std. C22.2 No. 14-05 UL 508 IEC 60947 VDE EN 61439-2 EN 62208



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Product specifications

SPECIAL FEATURES	• Flanges □#024355 • Distance frame for CI45... □#110103 • Smooth sides • Without knockouts
TYPE	• Basic enclosure • Enclosure bases • xEnergy Safety Ci
FEATURES	Cover with overpressure release
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.

Resources

CERTIFICATION REPORTS	eaton-xeffect-ci-certificate-of-compliance-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-xeffect-ci-3d-drawing.eps
INSTALLATION INSTRUCTIONS	eaton-xenergy-safety-ci-enclosure-brochure-br014001en-en-us.pdf 05670392.pdf
INSTALLATION VIDEOS	xEffect CI stand-alone polycarbonate enclosure
MCAD MODEL	eaton-front-access-switchboard-mcad-drawings-u-ci45x.dwg u ci45x.stp

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 ELECTRICAL CIRCUITS AND CONNECTIONS	Is the panel builder's 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.
ACCESSORY/SPARE PART TYPE	Individual enclosure bottoms
DEGREE OF PROTECTION	IK10 Other IP65
ENCLOSURE MATERIAL	Plastic
SURFACE PROTECTION	Other
CIRCUIT INTEGRITY	Other
BASE TYPE	Plain
UNIT TYPE	Modular system
BUILT-IN DEPTH	200 mm
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 MIDDLE ENCL. TOP (IEC 60890)	24 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 MIDDLE ENCL. TOP (IEC 60890)	48 W
HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	51 W
COLOR	Gray
COVER/DOOR MODEL	Closed
COVER/DOOR TYPE	Optional None
NUMBER OF OPENINGS (FLANGE PLATES)	0
PLATE THICKNESS (CABINET)	9 mm
PLATE THICKNESS (COVER/DOOR)	6 mm
RAL-NUMBER	7035
WIDTH IN NUMBER OF MODULAR SPACINGS	17
CABLE ENTRY TYPE	Top and bottom Drill as required Transverse
MOUNTING METHOD	Surface mounted (plaster)
NUMBER OF ROWS	0
PROTECTION CLASS	II
NUMBER OF MODULES	1
INTERNAL DEPTH	100 mm
NOMINAL CURRENT	1600 A
NUMBER OF CONDUIT INLETS	0
SUITABLE FOR	Lightning protection Outdoor use
ENCLOSURE MATERIAL QUALITY	Other
TYPE OF COATING	Other

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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