

Specifications



Eaton 024646

Eaton xEffect Ci Enclosures Switch- & Controlgear Enclosure. Insulated enclosure, smooth sides, HxWxD=250x375x175mm

General specifications

PRODUCT NAME	Eaton xEffect Ci Enclosures Switch- & Controlgear Enclosure
CATALOG NUMBER	024646
MODEL CODE	CI43X-150
EAN	4015080246466
PRODUCT LENGTH/DEPTH	175 mm
PRODUCT HEIGHT	250 mm
PRODUCT WIDTH	375 mm
PRODUCT WEIGHT	2.666 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	UL Listed EN 62208 EN 61439-2

Product specifications

SPECIAL FEATURES	• Smooth side plates, without knockouts • Sealable cover fasteners • Include fixing straps for wall mounting
TYPE	• Basic enclosure • Individual enclosures • xEnergy Safety Ci
FEATURES	UV resistance beneath protective shield 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	Lower part: 960 °C / cover: 850 °C
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Not relevant to indoor installations.
10.2.5 LIFTING	10 kg per enclosure with support frame and lifting aid met; assembled and secured as per the latest applicable instruction leaflet.

Resources

CERTIFICATION REPORTS	eaton-xeffect-ci-certificate-of-compliance-en-us.pdf
DECLARATIONS OF CONFORMITY	eaton-empty-enclosure-declaration-of-conformity-eu250306en.pdf
	eaton-enclosures-enclosure-xenergy-safety-ci-lv-systems-dimensions-010.eps
	eaton-enclosures-mounting-xenergy-safety-ci-lv-systems-dimensions-002.eps
DRAWINGS	eaton-enclosures-enclosure-xenergy-safety-ci-lv-systems-dimensions-004.eps
	eaton-enclosures-xenergy-safety-ci-lv-systems-dimensions-003.eps
	eaton-enclosures-enclosure-xenergy-safety-ci-lv-systems-dimensions-013.eps
INSTALLATION INSTRUCTIONS	05670392.pdf eaton-xenergy-safety-ci-enclosure-brochure-br014001en-en-us.pdf
INSTALLATION VIDEOS	xEffect CI stand-alone polycarbonate enclosure
MCAD MODEL	ci43x_150.stp eaton-front-access-switchboard-mcad-drawings-ci43x-150.dwg
PEP ECO-PASSPORT	eaton-front-access-switchboard-pep-eato-00213-v0101-en.pdf

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 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.
FREQUENCY RATING	50 to 60 Hz
SURFACE FINISHING	Resistant to corrosion
DEGREE OF PROTECTION	IP65 IK10 Other
ENCLOSURE MATERIAL	Plastic
SURFACE PROTECTION	Other
CHEMICAL RESISTANCE	Not resistant to: alkalis, benzene Resistant against: acids < 10 %, mineral oil, alcohol, gasoline, greases, salt solutions Partly resistant to: Acids > 10 %
CIRCUIT INTEGRITY	Other
BASE TYPE	Plain
UNIT TYPE	Stand-alone device
BUILT-IN DEPTH	150 mm
HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	22 W

HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)	20 W
HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	21 W
HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	44 W
HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)	40 W
HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	42 W
COLOR	Gray Light gray (RAL 7035, base) Transparent, smoky gray (cover)
COVER/DOOR COLOR	Transparent
COVER/DOOR MODEL	Closed
COVER/DOOR TYPE	Transparent 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	15
AMBIENT OPERATING TEMPERATURE DETAILS	-40 °C - 80 °C
MATERIAL	Non-reinforced polycarbonate (cover) Glass-fibre reinforced polycarbonate (base) Halogen free
MOUNTING METHOD	Surface mounted (plaster)
NUMBER OF ROWS	0
TEMPERATURE RESISTANCE	Temperature resistant: 85 °C (enclosure bolt) Temperature resistant: -40 °C - 120 °C (enclosure)

	Temperature resistant: 80 °C (gasket)
FLAMMABILITY CHARACTERISTICS (UL)	V1 (base) (UL94) V2 (cover) (UL94)
PROTECTION CLASS	II
NUMBER OF MODULES	1
SURFACE TREATMENT	Resistant to corrosion
INTERNAL DEPTH	150 mm
MOUNTING DEPTH WITH MOUNTING PLATE	150 mm
NOMINAL CURRENT	1600 A
NUMBER OF CONDUIT INLETS	0
SUITABLE FOR	Lightning protection Outdoor use
SALINE SPRAY RESISTANCE	IEC 60068-2-11
ENCLOSURE MATERIAL QUALITY	Other
TYPE OF COATING	Other

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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