

Specifications



Eaton 031765

Eaton xEffect Ci Enclosures Switch- & Controlgear Enclosure. Insulated enclosure, smooth sides, HxWxD=375x375x150mm

General specifications

PRODUCT NAME	Eaton xEffect Ci Enclosures Switch- & Controlgear Enclosure
CATALOG NUMBER	031765
MODEL CODE	CI44X-125
EAN	4015080317654
PRODUCT LENGTH/DEPTH	150 mm
PRODUCT HEIGHT	375 mm
PRODUCT WIDTH	375 mm
PRODUCT WEIGHT	3.195 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	EN 62208 EN 61439-2



Powering Business Worldwide

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	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	IP65

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-xenergy-safety-ci-lv-systems-dimensions-005.eps
	eaton-enclosures-mounting-xenergy-safety-ci-lv-systems-dimensions-004.eps
	eaton-enclosures-enclosure-xenergy-safety-ci-lv-systems-dimensions-006.eps
	eaton-enclosures-enclosure-xenergy-safety-ci-lv-systems-dimensions-017.eps
	eaton-enclosures-enclosure-xenergy-safety-ci-lv-systems-dimensions-015.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	eaton-front-access-switchboard-mcad-drawings-ci44x-125.dwg ci44x_125.stp
PEP ECO-PASSPORT	eaton-front-access-switchboard-pep-eato-00213-v0101-en.pdf

PROTECTION OF ASSEMBLIES	
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.
SURFACE FINISHING	Resistant to corrosion
DEGREE OF PROTECTION	IK10 Other IP65
ENCLOSURE MATERIAL	Plastic
SURFACE PROTECTION	Other
CHEMICAL RESISTANCE	Resistant against: acids < 10 %, mineral oil, alcohol, gasoline, greases, salt solutions Not resistant to: alkalis, benzene Partly resistant to: Acids > 10 %
CIRCUIT INTEGRITY	Other
BASE TYPE	Plain
UNIT TYPE	Stand-alone device
BUILT-IN DEPTH	125 mm
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 MIDDLE ENCL. TOP (IEC 60890)	21 W
HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL	22 W

MOUNT STARTING ENCL. TOP (IEC 60890)	
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 MIDDLE ENCL. TOP (IEC 60890)	42 W
HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	45 W
COLOR	Light gray (RAL 7035, base) Gray Transparent, smoky gray (cover)
COVER/DOOR COLOR	Transparent
COVER/DOOR MODEL	Closed
COVER/DOOR TYPE	None Transparent Optional
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: 80 °C (gasket) Temperature resistant: -40 °C - 120 °C (enclosure) Temperature resistant: 85 °C (enclosure bolt)
FLAMMABILITY CHARACTERISTICS (UL)	V1 (base) (UL94) V2 (cover) (UL94)
PROTECTION CLASS	II

NUMBER OF MODULES	1
SURFACE TREATMENT	Resistant to corrosion
INTERNAL DEPTH	125 mm
MOUNTING DEPTH WITH MOUNTING PLATE	125 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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