

Specifications



Eaton 002212

Eaton xEffect Ci Enclosures Switch- & Controlgear Enclosure. Insulated enclosure, smooth sides, HxWxD=250x187.5x175mm, NA type

General specifications

PRODUCT NAME	Eaton xEffect Ci Enclosures Switch- & Controlgear Enclosure
CATALOG NUMBER	002212
MODEL CODE	CI23X-150-NA
EAN	4015080022121
PRODUCT LENGTH/DEPTH	175 mm
PRODUCT HEIGHT	250 mm
PRODUCT WIDTH	187.5 mm
PRODUCT WEIGHT	1.6 kg
COMPLIANCES	IEC/EN62208 CE marking UL 508A CSA-C22.2 No.94 RoHS conform
CERTIFICATIONS	Specially designed for North America UL (File No. E499317) UL (Category Control Number NITW) UL508A UL listed



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Product specifications

USED WITH	Industrial control panels
SPECIAL FEATURES	Smooth side plates, without knockouts Sealable cover fasteners Include fixing straps for wall mounting
TYPE	Basic enclosure Individual enclosure for North America Individual enclosures with covers 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	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

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-lv-systems-dimensions-010.eps
	eaton-enclosures-enclosure-xenergy-safety-ci-lv-systems-dimensions-011.eps
	eaton-enclosures-enclosure-xenergy-safety-ci-lv-systems-dimensions-019.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-access-switchboard-mcad-drawings-ci23x-150-na.dwg ci23x_150_na.stp
PEP ECO-PASSPORT	eaton-front-access-switchboard-pep-eato-00214-v0101-en.pdf

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.
SURFACE FINISHING	Resistant to corrosion RAL 7035, light gray (base)
CLIMATIC PROOFING	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
CREEPAGE RESISTANCE	KB100, KC200 (cover, to IEC 60112) KB160, KC175 (base, to IEC 60112)
DEGREE OF PROTECTION	IP65 (IEC) UL/CSA Types 1, 12, 13, 4X, indoor only IP65 IK10 4X (NEMA)
ENCLOSURE MATERIAL	Plastic
SURFACE PROTECTION	Other
CIRCUIT INTEGRITY	Other
BASE TYPE	RAL 7035, smooth sides
UNIT TYPE	Stand-alone device
BUILT-IN DEPTH	150 mm
HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT INDIVID. ENCL.	13 W

TOP (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: 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 MIDDLE ENCL. TOP (IEC 60890)	22 W
HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	24 W
COLOR	Gray
	Light gray (RAL 7035, base)
	Transparent, smoky gray (cover)
COVER/DOOR COLOR	Transparent
COVER/DOOR MODEL	Closed
COVER/DOOR TYPE	Optional
	None
	Transparent
NUMBER OF OPENINGS (FLANGE PLATES)	0
PLATE THICKNESS (CABINET)	9 mm
PLATE THICKNESS (COVER/DOOR)	6 mm
RAL-NUMBER	7035
SURFACE RESISTANCE (IEC 60093)	10 TΩ
WIDTH IN NUMBER OF MODULAR SPACINGS	9
AMBIENT OPERATING TEMPERATURE DETAILS	-40 °C - 80 °C
MOUNTING METHOD	Surface mounted (plaster)
NUMBER OF ROWS	0
DIELECTRIC STRENGTH	30 kV/mm
PROTECTION CLASS	II
NUMBER OF MODULES	1
SURFACE TREATMENT	Resistant to corrosion

INTERNAL DEPTH	150 mm
MOUNTING DEPTH	150 mm
NOMINAL CURRENT	1600 A
NUMBER OF CONDUIT INLETS	0
SUITABLE FOR	Outdoor use Lightning protection
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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