

Specifications



Eaton 002254

Eaton xEffect Ci Enclosures Switch- & Controlgear Enclosure. Insulated enclosure, removable flanges equipped, HxWxD=796x421x275mm, NA type

General specifications

PRODUCT NAME	Eaton xEffect Ci Enclosures Switch- & Controlgear Enclosure
CATALOG NUMBER	002254
MODEL CODE	CI48-250-NA
EAN	4015080022541
PRODUCT LENGTH/DEPTH	275 mm
PRODUCT HEIGHT	796 mm
PRODUCT WIDTH	421 mm
PRODUCT WEIGHT	6.999 kg
COMPLIANCES	IEC/EN62208 UL 508A CSA-C22.2 No.94 CE marking RoHS conform
CERTIFICATIONS	UL listed Specially designed for North America UL508A UL (Category Control Number NITW) UL (File No. E499317)

Product specifications

USED WITH	Industrial control panels
SPECIAL FEATURES	Fitted with removable smooth flanges on all 4 sides Fixing straps for wall fixing Sealable cover fasteners
TYPE	Basic enclosure Distribution board enclosures for North America Panel enclosures with cover and flanges 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	40 kg per enclosure with support frame and lifting aid met, assembled and secured as per the latest applicable instruction leaflet.
10.2.6 MECHANICAL	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-flanges-xeffect-ci-enclosure-dimensions-003.eps eaton-enclosures-enclosure-xenergy-safety-ci-lv-systems-dimensions-014.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-ci48-250-na.dwg ci48_250_na.stp
PEP ECO-PASSPORT	eaton-front-access-switchboard-pep-eato-00214-v0101-en.pdf

IMPACT	
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	RAL 7035, light gray (base) Transparent, smoky gray (cover)
CLIMATIC PROOFING	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
CREEPAGE RESISTANCE	KB100, KC200 (cover, to IEC 60112) KB160, KC175 (base, to IEC 60112)
DEGREE OF PROTECTION	UL/CSA Types 1, 12, 13, indoor only IK10 IP65 IP65 (IEC) 13 (NEMA)
ENCLOSURE MATERIAL	Plastic
SURFACE PROTECTION	Other
CIRCUIT INTEGRITY	Other
BASE TYPE	Enclosure side plates with removable smooth flanges
UNIT TYPE	Single unit
BUILT-IN DEPTH	250 mm

HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	52 W
HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)	44 W
HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	48 W
HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	105 W
HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)	88 W
HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	96 W
COLOR	Gray
COVER/DOOR COLOR	Transparent
COVER/DOOR MODEL	Closed
COVER/DOOR TYPE	None Transparent Optional
NUMBER OF OPENINGS (FLANGE PLATES)	0
PLATE THICKNESS (CABINET)	6 mm
PLATE THICKNESS (COVER/DOOR)	6 mm
RAL-NUMBER	7035
SURFACE RESISTANCE (IEC 60093)	10 TΩ
WIDTH IN NUMBER OF MODULAR SPACINGS	17
AMBIENT OPERATING TEMPERATURE DETAILS	-40 °C - 80 °C
MOUNTING METHOD	Surface mounted (plaster)
NUMBER OF ROWS	0
DIELECTRIC STRENGTH	30 kV/mm
FUNCTIONS	Extension possible
PROTECTION CLASS	II
NUMBER OF MODULES	1
INTERNAL DEPTH	250 mm

MOUNTING DEPTH	250 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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