

Specifications



Eaton 002249

Eaton xEffect Ci Enclosures Switch- & Controlgear Enclosure. Insulated enclosure, removable flanges equipped, HxWxD=421x421x225mm, NA type

General specifications

PRODUCT NAME	Eaton xEffect Ci Enclosures Switch- & Controlgear Enclosure
CATALOG NUMBER	002249
MODEL CODE	CI44-200-NA
EAN	4015080022497
PRODUCT LENGTH/DEPTH	225 mm
PRODUCT HEIGHT	421 mm
PRODUCT WIDTH	421 mm
PRODUCT WEIGHT	3.976 kg
COMPLIANCES	UL 508A CSA-C22.2 No.94 IEC/EN62208 CE marking RoHS conform
CERTIFICATIONS	UL508A UL listed UL (File No. E499317) UL (Category Control Number NITW) Specially designed for North America



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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	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	IK10

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-flanges-xeffect-ci-enclosure-dimensions-003.eps eaton-enclosures-xenergy-safety-ci-lv-systems-dimensions-007.eps
DRAWINGS	eaton-enclosures-enclosure-xenergy-safety-ci-lv-systems-dimensions-015.eps eaton-enclosures-enclosure-xenergy-safety-ci-lv-systems-dimensions-017.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	ci44_200_na.stp eaton-front-access-switchboard-mcad-drawings-ci44-200-na.dwg
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	Transparent, smoky gray (cover) 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	KB160, KC175 (base, to IEC 60112) KB100, KC200 (cover, to IEC 60112)
DEGREE OF PROTECTION	4X (NEMA) UL/CSA Types 1, 12, 13, 4X, indoor only IP65 (IEC) IP65 IK10
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	200 mm

HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	31 W
HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)	27 W
HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	29 W
HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	62 W
HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)	53 W
HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	57 W
COLOR	Gray
COVER/DOOR COLOR	Transparent
COVER/DOOR MODEL	Closed
COVER/DOOR TYPE	Transparent Optional None
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	15
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	200 mm

MOUNTING DEPTH	200 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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