



Eaton 111649

Eaton xEffect CS LV systems Switch- & Controlgear Enclosure. Wall enclosure with mounting plate, HxWxD=300x300x200mm

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PRODUCT NAME	Eaton xEffect CS enclosure single door
CATALOG NUMBER	111649
PRODUCT LENGTH/DEPTH	200 mm
PRODUCT HEIGHT	300 mm
PRODUCT WIDTH	300 mm
PRODUCT WEIGHT	6.3 kg
COMPLIANCES	UL CSA09 (may be provided with metal sub-panel, no back mounted components are allowed between sub-panel and the back sheet metal enclosure) RoHS conform UL 508A; CSA-C22.2 No.14; IEC/EN 62208; CE marking
CERTIFICATIONS	UL (Category Control Number NITW) IEC/EN 62208 UL CSA08 (request filed) In accordance with Directive 2015/863/EU of the European Parliament and Council UL (File No. E336299)
CATALOG NOTES	Foamed polyurethane sealing throughout. Impact resistance category IK10 to EN 62262. Sheet steel mounting plate. Bottom plate with foamed gasket. Single door, door stop on the right, door opening angle 120°. Door hinge pins with quick chang



Powering Business Worldwide

USED WITH

Industrial control panels

SPECIAL FEATURES

- Bottom plate enclosed, foamed gasket, can be unscrewed for F3A-... flanges or for assembly by user
- Foamed polyurethane sealing throughout.
- Impact resistance category IK10 to EN 62262.
- Sheet steel mounting plate
- Bottom plate with foamed gasket.
- Single door, door stop on the right, door opening angle 120°
- Door hinge pins with quick change technology.
- Standardized locking system with sash fastener.
- Powder coating RAL 7035 inside and outside
- Lock, 3 mm double ward key
- Including M6 threaded welded studs for earth conductor connections in the door
- Side plates without apertures
- Top plate without apertures

TYPE

- Wall-mounting housing CS
- Wall-mounting housing with mounting plate

FEATURES

Pole fastening
Wall build in

10.10 TEMPERATURE RISE

The panel builder is responsible for the temperature rise calculation. Eaton will

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[eaton-xeffect-cs-new-features-fl015002zu.pdf](#)

	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	Meets the product standard's requirements.
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Meets the product standard's requirements.
10.2.5 LIFTING	Does not apply to enclosures without lifting aids.
10.2.6 MECHANICAL IMPACT	IK10
10.2.7 INSCRIPTIONS	Meets the product standard's requirements.
10.3 DEGREE OF PROTECTION OF ASSEMBLIES	IP66
10.4 CLEARANCES AND CREEPAGE DISTANCES	Is the panel builder's responsibility.
10.5 PROTECTION AGAINST ELECTRIC SHOCK	< 0.1 Ω ; meets the product standard's requirements.
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	Does not apply to basic

WITHSTAND VOLTAGE	enclosures as defined in EN 62208.
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Does not apply to metal enclosures.
FITTED WITH:	Including M6 threaded welded studs for earth conductor connections in the door: Mounting plate Cover Door
SURFACE FINISHING	Structured powder spray polyester based paint finish Gloss Semi-textured Powder coating
CLIMATIC PROOFING	Damp heat, constant, to IEC 60068-2-78; Damp heat, cyclical, to IEC 60068-2-30
DEGREE OF PROTECTION	IP66 12 (NEMA) IEC: IP66, indoor; UL/CSA Types 1, 12, indoor only. IP23 (with ventilating plates) IK10 IK10 (impact resistance)
HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	19 W
HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)	16 W
HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	18 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)	38 W
HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	41 W
MATERIAL QUALITY	Other

COLOR	Gray Light gray (RAL 7035)
COVER/DOOR TYPE	Door hinges right Can be converted by user Door hinges on the right, can be converted by user Standard closure 3 mm double-ward key (door interlock)
PERMISSIBLE LOAD OF THE MOUNTING PLATE ACCORDING TO IEC 62208 - MAX	1250 N
NUMBER OF HINGES	2
NUMBER OF LOCKS	1
RAL-NUMBER	7035
THICKNESS OF MOUNTING PLATE	2 mm
WEIGHT OF MOUNTED COMPONENTS - MAX	150 kg
AMBIENT OPERATING TEMPERATURE DETAILS	-25 °C - 40 °C
DESIGN TYPE	Canted and seam welded, including two M6 threaded bolts for earth conductor connections inside the enclosure.
MATERIAL	Steel Steel plate
MOUNTING METHOD	9 mm drilling dimensions for wall mounting (Back plate) Wall fastening Intermediate mounting
FUNCTIONS	Floor standing enclosure
INSTALLATION TYPE	Floor standing wall model
COVER/DOOR ANGLE	120° door opening angle
COVER/DOOR PROFILE	2 door profiles
INSTALLATION SITE	Indoor installation
FLANGE PLATE DIMENSIONS	172 mm x 262 mm
SURFACE TREATMENT	Structured powder spray polyester based paint finish
HEAT DISS. WALL MOUNT INDIVIDUAL ENCL. TOP	19 W
HEAT DISS. WALL MOUNT MIDDLE ENCL. TOP	16 W
HEAT DISS. WALL MOUNT STARTING ENCL. TOP	18 W
LOAD CAPACITY (DOOR)	25 kg

MATERIAL THICKNESS (BODY)	1.2 mm
MATERIAL THICKNESS (BOTTOM PLATE)	2 mm
MATERIAL THICKNESS (DOOR)	1 mm
MOUNTING PLATE HEIGHT	270 mm
MOUNTING PLATE WIDTH	250 mm
NUMBER OF COVERS/DOORS	1
NUMBER OF F3A FLANGES	1
LOAD CAPACITY (MOUNTING PLATE)	500 kg payload, when brackets fitted in all four enclosure corners (vertically or horizontally) and the weights are symmetrically distributed within the enclosure. 125 kg
SUITABLE FOR	Metrical mounting
MOUNTING PLATE MATERIAL	Sheet steel, hot-galvanized
PERMISSIBLE LOAD OF THE ENCLOSURE ACCORDING TO IEC 62208 - MAX	1500 N
PERMISSIBLE LOAD OF THE DOOR(S) ACCORDING TO IEC 62208 - MAX	250 N
THERMAL DISSIPATION (DELTA T = 20 K) ACCORDING TO IEC/TR 60890	19 W
NUMBER OF CONNECTOR HOLES	0

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:



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