

Specifications



Eaton 111715

Eaton xEffect CS LV systems Switch- & Controlgear Enclosure. Wall enclosure with mounting plate, HxWxD=1000x800x300mm

General specifications

PRODUCT NAME	Eaton xEffect CS enclosure single door
CATALOG NUMBER	111715
MODEL CODE	CS-108/300
EAN	4015081112746
PRODUCT LENGTH/DEPTH	300 mm
PRODUCT HEIGHT	1000 mm
PRODUCT WIDTH	800 mm
PRODUCT WEIGHT	56.8 kg
COMPLIANCES	RoHS conform UL CSA09 (may be provided with metal sub-panel, no back mounted components are allowed between sub-panel and the back sheet metal enclosure) UL 508A; CSA-C22.2 No.14; IEC/EN 62208; CE marking
CERTIFICATIONS	IEC Rated UL 508A IEC/EN 60529 CSA Std. C22.2 No. 14 UL Listed IEC/EN 62208 UL (File No. E336299) UL (Category Control Number NITW) UL CSA08 (request filed) In accordance with Directive 2015/863/EU of the European Parliament and Council
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



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Product specifications	
USED WITH	Industrial control panels
SPECIAL FEATURES	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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 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	Meets the product standard's requirements.

Resources	
BROCHURES	eaton-xeffect-cs-new-features-fl015002zu.pdf
CATALOGS	eaton-xeffect-cs-enclosure-catalog-fk4300-1178gb-en-us.pdf
CERTIFICATION REPORTS	eaton-xeffect-cs-enclosure-declaration-of-conformity-en-us.pdf
DECLARATIONS OF CONFORMITY	DA-DC-03 xEffect_CS
INSTALLATION INSTRUCTIONS	IL2521
MCAD MODEL	eaton-cadenas-front_view-cs108_300_front.pra eaton-cadenas-top_view-cs108_300_top.pra eaton-cadenas-side_view-cs108_300_side.pra eaton-cadenas-path-media_assets-assemblies-cs108_300_111715_asmtpl.prj cs108_300_111715 DA-CD-cs108_300

ENCLOSURES	
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	$< 0.1 \Omega$; 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	$U_i = 1000 \text{ V AC}$
10.9.3 IMPULSE WITHSTAND VOLTAGE	Does not apply to basic enclosures as defined in EN 62208.
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Does not apply to metal enclosures.
FITTED WITH:	Mounting plate Including M6 threaded welded studs for earth conductor connections in the door: Cover Door
SURFACE FINISHING	Semi-textured Gloss Powder coating Structured powder spray polyester based paint finish
CLIMATIC PROOFING	Damp heat, constant, to IEC 60068-2-78; Damp heat, cyclical, to IEC 60068-2-30
DEGREE OF PROTECTION	IP23 (with ventilating plates) IEC: IP66, indoor; UL/CSA

	Types 1, 12, indoor only. IP66 12 (NEMA) IK10 (impact resistance) IK10
HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	121 W
HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)	106 W
HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	113 W
HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	201 W
HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)	180 W
HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	189 W
MATERIAL QUALITY	Other
COLOR	Light gray (RAL 7035) Gray
COVER/DOOR TYPE	Standard closure 3 mm double- ward key (door interlock) Closed Door hinges on the right, can be converted by user
PERMISSIBLE LOAD OF THE MOUNTING PLATE ACCORDING TO IEC 62208 - MAX	3500 N
NUMBER OF HINGES	3
NUMBER OF LOCKS	1
RAL-NUMBER	7035
THICKNESS OF MOUNTING PLATE	3 mm
WEIGHT OF MOUNTED COMPONENTS - MAX	390 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 plate Steel
MOUNTING METHOD	Wall fastening 9 mm drilling dimensions for wall mounting (Back plate)

	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 732 mm
SURFACE TREATMENT	Structured powder spray polyester based paint finish
HEAT DISS. WALL MOUNT INDIVIDUAL ENCL. TOP	121 W
HEAT DISS. WALL MOUNT MIDDLE ENCL. TOP	106 W
HEAT DISS. WALL MOUNT STARTING ENCL. TOP	113 W
LOAD CAPACITY (DOOR)	40 kg
MATERIAL THICKNESS (BODY)	1.5 mm
MATERIAL THICKNESS (BOTTOM PLATE)	2 mm
MATERIAL THICKNESS (DOOR)	2 mm
MOUNTING PLATE HEIGHT	970 mm
MOUNTING PLATE WIDTH	750 mm
NUMBER OF COVERS/DOORS	1
NUMBER OF F3A FLANGES	3
LOAD CAPACITY (MOUNTING PLATE)	350 kg 500 kg payload, when brackets fitted in all four enclosure corners (vertically or horizontally) and the weights are symmetrically distributed within the enclosure.
SUITABLE FOR	Metrical mounting
MOUNTING PLATE MATERIAL	Sheet steel, hot-galvanized
PERMISSIBLE LOAD OF THE ENCLOSURE ACCORDING TO IEC 62208 - MAX	3900 N
PERMISSIBLE LOAD OF THE DOOR(S) ACCORDING TO IEC 62208 - MAX	400 N
THERMAL DISSIPATION (DELTA T = 20 K) ACCORDING TO IEC/TR 60890	121 W
NUMBER OF CONNECTOR HOLES	0

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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