## Eaton 111706

Eaton xEffect CS LV systems Switch- & Controlgear Enclosure. Wall enclosure with mounting plate, HxWxD=800x600x200mm

	Eaton xEffect CS enclosure
PRODUCT NAME	single door
CATALOG NUMBER	111706
PRODUCT LENGTH/DEPTH	200 mm
PRODUCT HEIGHT	800 mm
PRODUCT WIDTH	600 mm
PRODUCT WEIGHT	31.05 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) UL 508A; CSA-C22.2 No.14; IEC/EN 62208; CE marking RoHS conform
CERTIFICATIONS	UL (File No. E336299) In accordance with Directive 2015/863/EU of the European Parliament and Council IEC/EN 62208 UL CSA08 (request filed) UL (Category Control Number NITW)
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



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

**10.10 TEMPERATURE RISE** The panel builder is

## DECLARATIONS OF CONFORMITY

DA-DC-03 xEffect CS

<u>IL2521</u>

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responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.10.11 SHORT-CIRCUIT RATINGIs the panel builder's responsibility.10.12 ELECTROMAGNETIC COMPATIBILITYIs the panel builder's responsibility.10.13 MECHANICAL FUNCTIONMeets the product standard's requirements.10.2.2 CORROSION RESISTANCEMeets the product standard's requirements.10.2.3.1 VERIFICATION OF FUNCLOSURESMeets the product standard's requirements.10.2.3.2 VERIFICATION OF FUNCLOSURESMeets the product standard's requirements.10.2.3.3 RESIST. OF INSUL MAT. TO ABNORMAL HEATMeets the product standard's requirements.10.2.4 RESISTANCE OF INSULATING MATERIALS TO NORMAL HEATDoes not apply to enclosure without lifting aids.10.2.5 LIFTINGDoes not apply to enclosures without lifting aids.10.2.6 MECHANICAL DADATIONMeets the product standard's requirements.10.3 DEGREE OF PROTECTION OF SSEMBLIESIs the panel builder's responsibility.10.3 DEGREE OF ASSEMBLIESIs the panel builder's responsibility.10.4 CLEARANCES AND SHOLTSCHECTION OF SHOLTSCHECTIONIs the panel builder's responsibility.10.5 INCORPORATION OF SHOLTSCHECTIONIs the panel builder's responsibility.10.7.1 NITERNAL ELECTRICAL CIRCUITS ALIONIs the panel builder's responsibility.10.8 CONNECTIONS FORIs the panel builder's responsibility.		
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	<b>10.8 CONNECTIONS FOR</b>	ls the panel builder's

EXTERNAL CONDUCTORS	responsibility.
10.9.2 POWER- FREQUENCY ELECTRIC STRENGTH	Ui = 1000 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	Powder coating Gloss Structured powder spray polyester based paint finish Semi-textured
CLIMATIC PROOFING	Damp heat, constant, to IEC 60068-2-78; Damp heat, cyclical, to IEC 60068- 2-30
DEGREE OF PROTECTION	IEC: IP66, indoor; UL/CSA Types 1, 12, indoor only. 12 (NEMA) IP66 IP23 (with ventilating plates) IK10 (impact resistance) IK10
HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	68 W
HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)	60 W
HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	64 W
HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	131 W

MOUNT MIDDLE ENCL. TOP (IEC 60890)HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)124 WMATERIAL QUALITYOtherGOLORLight gray (RAL 7035) GrayCOVER/DOOR TYPEClosed Standard closure 3 mm double-ward key (door interlock) Door hinges on the right, can be converted by userPERMISSIBLE LOAD OF THE MOUNTING PLATE ACCORDING TO IEC 62208 - MAX3000 NNUMBER OF HINGES3NUMBER OF LOCKS2RAL-NUMBER3000 NTHICKNESS OF MOUNTING PLATE ACCORDING TO IEC 62208 - MAX30100 NMUBER OF LOCKS2RAL-NUMBER3000 NDUMBER OF LOCKS2BABIENT OPERATING EMPERATURE DETAILS30100 NMEIGHT OF MOUNTED COMPONENTS - MAX3025 kgDESIGN TYPECanted and seam welded, including two MG threaded bolts for earth conductor connections inside the enclosure.MATERIALSteel plate SteelMOUNTING METHODSteel plate SteelMOUNTING METHODSteel plate Yual fastening intermediate mounting (Back plate) Wall fastening intermediate mountingFUNCTIONSFloor standing enclosure	35°C DELTA T: 35°C WALL	
BS°C DELTA T:3S°C WALL MOUNT STARTING ENCL.124 WMATERIAL QUALITYOtherCOLORLight gray (RAL 7035) GrayCOURClosed Standard closure 3 mm double-ward key (door interlock) Door hinges on the right, can be converted by userPERMISSIBLE LOAD OF THE MOUNTING PLATE ACCORDING TO IEC G2208 - MAX3000 NNUMBER OF HINGES3NUMBER OF LOCKS2RAL-NUMBER7035THICKNESS OF MOUNTING PLATE325 kgMEIGHT OF MOUNTED COMPONENTS - MAX225 sgABIENT OPERATING TEMPERATURE DETAILSCanted and seam welded, including two M6 threaded bolts for earth conductor connections inside the enclosure.MATERIALSteel plate SteelMOUNTING METHOD WAIL fastening intermediate mounting (Back plate WAIL fastening intermediate mounting (Hermediate mounting)FUNCTIONSFIOOr Standing enclosure		
COLORLight gray (RAL 7035) GrayCOVER/DOOR TYPEClosed Standard closure 3 mm double-ward key (door interlock) Door hinges on the right, can be converted by userPERMISSIBLE LOAD OF THE MOUNTING PLATE ACCORDING TO IEC 62208 - MAX3000 NNUMBER OF HINGES3NUMBER OF LOCKS2RAL-NUMBER7035THICKNESS OF MOUNTING PLATE3 mmVEIGHT OF MOUNTED COMPONENTS - MAX325 kgAMBIENT OPERATING TEMPERATURE DETAILS25 °C - 40 °CDESIGN TYPECanted and seam welded, including two M6 threaded bolts for earth conductor connections inside the enclosure.MATERIALSteel plate Steel plate Steel plate Vali fastening Intermediate mounting (Back Plate) Wali fastening Intermediate mountingFUNCTIONSFloor standing enclosure	35°C DELTA T:35°C WALL MOUNT STARTING ENCL.	124 W
COLORGrayGrayGrayCOVER/DOOR TYPEClosed Standard closure 3 mm double-ward key (door interlock) 	MATERIAL QUALITY	Other
COVER/DOOR TYPEStandard closure 3 mm double-ward key (door interlock) Door hinges on the right, can be converted by userPERMISSIBLE LOAD OF THE MOUNTING PLATE ACCORDING TO IEC 62208 - MAX3000 NNUMBER OF HINGES3NUMBER OF LOCKS2RAL-NUMBER7035THICKNESS OF MOUNTING PLATE3mmWEIGHT OF MOUNTED COMPONENTS - MAX325 kgDESIGN TYPECanted and seam welded, including two M6 threaded bolts for earth conductor connections inside the enclosure.MATERIALSteel plate SteelMOUNTING METHOD9mm drilling dimensions for wall mounting (Back plate) Wall fastening Intermediate mountingFUNCTIONSFloor standing enclosure	COLOR	
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RAL-NUMBER7035THICKNESS OF MOUNTING PLATE3 mmWEIGHT OF MOUNTED COMPONENTS - MAX325 kgAMBIENT OPERATING TEMPERATURE DETAILS-25 °C - 40 °CDESIGN TYPECanted and seam welded, 	NUMBER OF HINGES	3
THICKNESS OF MOUNTING PLATE3 mmWEIGHT OF MOUNTED COMPONENTS - MAX325 kgAMBIENT OPERATING TEMPERATURE DETAILS-25 °C - 40 °CDESIGN TYPECanted and seam welded, including two M6 threaded bolts for earth conductor connections inside the enclosure.MATERIALSteel plate SteelMOUNTING METHOD9 mm drilling dimensions for wall mounting (Back plate) Wall fastening Intermediate mountingFUNCTIONSFloor standing enclosure	NUMBER OF LOCKS	2
MOUNTING PLATE3 mmWEIGHT OF MOUNTED COMPONENTS - MAX325 kgAMBIENT OPERATING TEMPERATURE DETAILS-25 °C - 40 °CDESIGN TYPECanted and seam welded, including two M6 threaded bolts for earth conductor connections inside the enclosure.MATERIALSteel plate SteelMOUNTING METHOD9 mm drilling dimensions for wall mounting (Back plate) Wall fastening Intermediate mountingFUNCTIONSFloor standing enclosure	RAL-NUMBER	7035
COMPONENTS - MAX325 kgAMBIENT OPERATING TEMPERATURE DETAILS-25 °C - 40 °CDESIGN TYPECanted and seam welded, including two M6 threaded bolts for earth conductor connections inside the enclosure.MATERIALSteel plate SteelMOUNTING METHOD9 mm drilling dimensions for wall mounting (Back plate) Wall fastening Intermediate mountingFUNCTIONSFloor standing enclosure		3 mm
TEMPERATURE DETAILS-25 °C - 40 °CDESIGN TYPECanted and seam welded, including two M6 threaded bolts for earth conductor connections inside the enclosure.MATERIALSteel plate SteelMOUNTING METHOD9 mm drilling dimensions for wall mounting (Back plate) Wall fastening Intermediate mountingFUNCTIONSFloor standing enclosure		325 kg
DESIGN TYPEincluding two M6 threaded bolts for earth conductor connections inside the enclosure.MATERIALSteel plate SteelMOUNTING METHOD9 mm drilling dimensions for wall mounting (Back plate) Wall fastening Intermediate mountingFUNCTIONSFloor standing enclosure		-25 °C - 40 °C
MATERIAL     Steel       MOUNTING METHOD     9 mm drilling dimensions for wall mounting (Back plate) Wall fastening Intermediate mounting       FUNCTIONS     Floor standing enclosure	DESIGN TYPE	including two M6 threaded bolts for earth conductor connections inside the
MOUNTING METHODfor wall mounting (Back plate) Wall fastening Intermediate mountingFUNCTIONSFloor standing enclosure	MATERIAL	-
	MOUNTING METHOD	for wall mounting (Back plate) Wall fastening
<b>INSTALLATION TYPE</b> Floor standing wall model	FUNCTIONS	Floor standing enclosure
	INSTALLATION TYPE	Floor standing wall model
<b>COVER/DOOR ANGLE</b> 120° door opening angle	COVER/DOOR ANGLE	120° door opening angle
COVER/DOOR PROFILE 2 door profiles	COVER/DOOR PROFILE	2 door profiles
INSTALLATION SITE Indoor installation	INSTALLATION SITE	Indoor installation
FLANGE PLATEDIMENSIONS		172 mm x 432 mm

SURFACE TREATMENT	Structured powder spray polyester based paint finish
HEAT DISS. WALL MOUNT INDIVIDUAL ENCL. TOP	68 W
HEAT DISS. WALL MOUNT MIDDLE ENCL. TOP	60 W
HEAT DISS. WALL MOUNT STARTING ENCL. TOP	64 W
LOAD CAPACITY (DOOR)	25 kg
MATERIAL THICKNESS (BODY)	1.5 mm
MATERIAL THICKNESS (BOTTOM PLATE)	2 mm
MATERIAL THICKNESS (DOOR)	1.5 mm
MOUNTING PLATE HEIGHT	770 mm
MOUNTING PLATE WIDTH	550 mm
NUMBER OF COVERS/DOORS	1
NUMBER OF F3A FLANGES	2
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. 300 kg
SUITABLE FOR	within the enclosure.
SUITABLE FOR MOUNTING PLATE MATERIAL	within the enclosure. 300 kg
MOUNTING PLATE	within the enclosure. 300 kg Metrical mounting
MOUNTING PLATE MATERIAL PERMISSIBLE LOAD OF THE ENCLOSURE ACCORDING TO IEC	within the enclosure. 300 kg Metrical mounting Sheet steel, hot-galvanized
MOUNTING PLATE MATERIAL PERMISSIBLE LOAD OF THE ENCLOSURE ACCORDING TO IEC 62208 - MAX PERMISSIBLE LOAD OF THE DOOR(S) ACCORDING TO IEC	within the enclosure. 300 kg Metrical mounting Sheet steel, hot-galvanized 3250 N
MOUNTING PLATE MATERIAL PERMISSIBLE LOAD OF THE ENCLOSURE ACCORDING TO IEC 62208 - MAX PERMISSIBLE LOAD OF THE DOOR(S) ACCORDING TO IEC 62208 - MAX THERMAL DISSIPATION (DELTA T = 20 K) ACCORDING TO IEC/TR	within the enclosure. 300 kg Metrical mounting Sheet steel, hot-galvanized 3250 N 250 N

## **PROJECT NAME:**

**PROJECT NUMBER:** 

PREPARED BY:

:



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