



## Eaton 111709

Eaton xEffect CS LV systems Switch- & Controlgear Enclosure. Wall enclosure with mounting plate, HxWxD=800x800x200mm

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<b>PRODUCT NAME</b>	Eaton xEffect CS enclosure single door
<b>CATALOG NUMBER</b>	111709
<b>PRODUCT LENGTH/DEPTH</b>	200 mm
<b>PRODUCT HEIGHT</b>	800 mm
<b>PRODUCT WIDTH</b>	800 mm
<b>PRODUCT WEIGHT</b>	40.53 kg
<b>COMPLIANCES</b>	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
<b>CERTIFICATIONS</b>	UL (File No. E336299) UL (Category Control Number NITW) IEC/EN 62208 In accordance with Directive 2015/863/EU of the European Parliament and Council UL CSA08 (request filed)
<b>CATALOG NOTES</b>	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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USED WITH	Industrial control panels
SPECIAL FEATURES	<ul style="list-style-type: none"> <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>
TYPE	<ul style="list-style-type: none"> <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 responsible for the temperature rise calculation. Eaton will

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□□□□□	<a href="#">IL2521</a>
□□□□	<a href="#">eaton-xeffect-cs-new-features-fl015002zu.pdf</a>

	provide heat dissipation data for the devices.
<b>10.11 SHORT-CIRCUIT RATING</b>	Is the panel builder's responsibility.
<b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>	Is the panel builder's responsibility.
<b>10.13 MECHANICAL FUNCTION</b>	Meets the product standard's requirements.
<b>10.2.2 CORROSION RESISTANCE</b>	Meets the product standard's requirements.
<b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>	Meets the product standard's requirements.
<b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>	Meets the product standard's requirements.
<b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b>	Meets the product standard's requirements.
<b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>	Meets the product standard's requirements.
<b>10.2.5 LIFTING</b>	Does not apply to enclosures without lifting aids.
<b>10.2.6 MECHANICAL IMPACT</b>	IK10
<b>10.2.7 INSCRIPTIONS</b>	Meets the product standard's requirements.
<b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>	IP66
<b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>	Is the panel builder's responsibility.
<b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>	< 0.1 $\Omega$ ; meets the product standard's requirements.
<b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>	Is the panel builder's responsibility.
<b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>	Is the panel builder's responsibility.
<b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>	Is the panel builder's responsibility.
<b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>	Ui = 1000 V AC
<b>10.9.3 IMPULSE</b>	Does not apply to basic

<b>WITHSTAND VOLTAGE</b>	enclosures as defined in EN 62208.
<b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>	Does not apply to metal enclosures.
<b>FITTED WITH:</b>	Mounting plate Including M6 threaded welded studs for earth conductor connections in the door: Cover Door
<b>SURFACE FINISHING</b>	Powder coating Gloss Structured powder spray polyester based paint finish Semi-textured
<b>CLIMATIC PROOFING</b>	Damp heat, constant, to IEC 60068-2-78; Damp heat, cyclical, to IEC 60068-2-30
<b>DEGREE OF PROTECTION</b>	12 (NEMA) IP23 (with ventilating plates) IP66 IEC: IP66, indoor; UL/CSA Types 1, 12, indoor only. IK10 IK10 (impact resistance)
<b>HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)</b>	85 W
<b>HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)</b>	77 W
<b>HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)</b>	81 W
<b>HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)</b>	135 W
<b>HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)</b>	134 W
<b>HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)</b>	159 W
<b>MATERIAL QUALITY</b>	Other

<b>COLOR</b>	Gray Light gray (RAL 7035)
<b>COVER/DOOR TYPE</b>	Door hinges on the right, can be converted by user Standard closure 3 mm double-ward key (door interlock) Closed
<b>PERMISSIBLE LOAD OF THE MOUNTING PLATE ACCORDING TO IEC 62208 - MAX</b>	3000 N
<b>NUMBER OF HINGES</b>	3
<b>NUMBER OF LOCKS</b>	2
<b>RAL-NUMBER</b>	7035
<b>THICKNESS OF MOUNTING PLATE</b>	3 mm
<b>WEIGHT OF MOUNTED COMPONENTS - MAX</b>	325 kg
<b>AMBIENT OPERATING TEMPERATURE DETAILS</b>	-25 °C - 40 °C
<b>DESIGN TYPE</b>	Canted and seam welded, including two M6 threaded bolts for earth conductor connections inside the enclosure.
<b>MATERIAL</b>	Steel plate Steel
<b>MOUNTING METHOD</b>	Wall fastening 9 mm drilling dimensions for wall mounting (Back plate) Intermediate mounting
<b>FUNCTIONS</b>	Floor standing enclosure
<b>INSTALLATION TYPE</b>	Floor standing wall model
<b>COVER/DOOR ANGLE</b>	120° door opening angle
<b>COVER/DOOR PROFILE</b>	2 door profiles
<b>INSTALLATION SITE</b>	Indoor installation
<b>FLANGE PLATE DIMENSIONS</b>	172 mm x 732 mm
<b>SURFACE TREATMENT</b>	Structured powder spray polyester based paint finish
<b>HEAT DISS. WALL MOUNT INDIVIDUAL ENCL. TOP</b>	85 W
<b>HEAT DISS. WALL MOUNT MIDDLE ENCL. TOP</b>	77 W
<b>HEAT DISS. WALL MOUNT STARTING ENCL. TOP</b>	81 W
<b>LOAD CAPACITY (DOOR)</b>	25 kg

<b>MATERIAL THICKNESS (BODY)</b>	1.5 mm
<b>MATERIAL THICKNESS (BOTTOM PLATE)</b>	2 mm
<b>MATERIAL THICKNESS (DOOR)</b>	1.5 mm
<b>MOUNTING PLATE HEIGHT</b>	770 mm
<b>MOUNTING PLATE WIDTH</b>	750 mm
<b>NUMBER OF COVERS/DOORS</b>	1
<b>NUMBER OF F3A FLANGES</b>	3
<b>LOAD CAPACITY (MOUNTING PLATE)</b>	300 kg 500 kg payload, when brackets fitted in all four enclosure corners (vertically or horizontally) and the weights are symmetrically distributed within the enclosure.
<b>SUITABLE FOR</b>	Metrical mounting
<b>MOUNTING PLATE MATERIAL</b>	Sheet steel, hot-galvanized
<b>PERMISSIBLE LOAD OF THE ENCLOSURE ACCORDING TO IEC 62208 - MAX</b>	3250 N
<b>PERMISSIBLE LOAD OF THE DOOR(S) ACCORDING TO IEC 62208 - MAX</b>	250 N
<b>THERMAL DISSIPATION (DELTA T = 20 K) ACCORDING TO IEC/TR 60890</b>	85 W
<b>NUMBER OF CONNECTOR HOLES</b>	0

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:



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