DATASHEET - CS-68/300-2D

Wall enclosure with mounting plate, HxWxD=600x800x300mm, 2 doors

Part no. **CS-68/300-2D**
144209

General specifications

Product name	Eaton xEffect CS enclosure single door
Part no.	CS-68/300-2D
EAN	4015081407194
Product Length/Depth	300 millimetre
Product height	600 millimetre
Product width	800 millimetre
Product weight	35.5 kilogram
Compliances	Series CS may be provided with metal sub-panel. No back mounted components are allowed between sub-panel and the back sheet metal enclosure RoHS conform IEC/EN 62208; CE marking
Certifications	IEC/EN 62208 In accordance with Directive 2015/863/EU of the European Parliament and Council
Product Tradename	xEffect CS
Product Type	Enclosure
Product Sub Type	Single door

Delivery program

Type	Wall-mounting housing CS Wall-mounting housing with mounting plate
Color	Gray Light gray (RAL 7035)

Technical Data - Mechanical

Design type	Canted and seam welded, including two M6 threaded bolts for earth conductor connections inside the enclosure.
Surface finishing	Semi-textured Gloss Structured powder spray polyester based paint finish Powder coating
Surface treatment	Structured powder spray polyester based paint finish
Mounting method	Wall fastening 9 mm drilling dimensions for wall mounting (Back plate) Intermediate mounting
Mounting plate height	570 mm
Mounting plate material	Sheet steel, hot-galvanized
Mounting plate width	750 mm
Material	Steel plate Steel
Material thickness (body)	1.5 mm
Material thickness (bottom plate)	2 mm
Material thickness (door)	1.5 mm
Material quality	Other
Degree of protection	IK09 (impact resistance) Other IP55 IP23 (with ventilating plates) IK09 IEC: IP66, indoor
Number of F3A flanges	3
Number of connector holes	0
Number of covers/doors	2
Number of hinges	4
Number of locks	1
Load capacity (door)	5 kg
Load capacity (mounting plate)	250 kg 500 kg payload, when brackets fitted in all four enclosure corners (vertically or horizontally) and the weights are symmetrically distributed within the enclosure.

Permissible load of the door(s) according to IEC 62208 - max	250 N
Permissible load of the enclosure according to IEC 62208 - max	3250 N
Permissible load of the mounting plate according to IEC 62208 - max	3000 N
Weight of mounted components - max	275 kg
Cover/door angle	120° door opening angle
Cover/door profile	2 door profiles
Cover/door type	Right, left Standard closure 3 mm double-ward key (door interlock) Door hinges right Can be converted by user
Flange plate dimensions	172 mm x 732 mm
Installation site	Indoor installation
Installation type	Floor standing wall model
Thickness of mounting plate	2 mm
Climatic proofing	Damp heat, constant, to IEC 60068-2-78; Damp heat, cyclical, to IEC 60068-2-30

Temperature-rise verification as per IEC 60890

Heat diss. ambient 35°C delta T: 20°C wall mount middle encl. top (IEC 60890)	72 W
Heat diss. ambient 35°C delta T: 35°C wall mount middle encl. top (IEC 60890)	149 W
Heat diss. ambient 35°C delta T:20°C wall mount individ. encl. top (IEC 60890)	81 W
Heat diss. ambient 35°C delta T:20°C wall mount starting encl. top (IEC 60890)	76 W
Heat diss. ambient 35°C delta T:35°C wall mount individ. encl. top (IEC 60890)	144 W
Heat diss. ambient 35°C delta T:35°C wall mount starting encl. top (IEC 60890)	157 W
Thermal dissipation (Delta T = 20 K) according to IEC/TR 60890	81 W

Design verification as per IEC/EN 61439 - technical data

Ambient operating temperature details	-25 °C - 40 °C

Design verification as per IEC/EN 61439

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	IK09
10.2.7 Inscriptions	Meets the product standard's requirements.
10.3 Degree of protection of assemblies	IP55
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 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.
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.

Additional information

Features	Wall build in Pole fastening
Fitted with:	Including M6 threaded welded studs for earth conductor connections in the door: Mounting plate Cover Door
Functions	Floor standing enclosure
RAL-number	7035

Special features			Enclosed, foamed gasket, can be unscrewed for F3A-… flanges or for assembly by user Foamed polyurethane sealing throughout. Impact resistance category IK09 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 Without apertures
Suitable for			Metrical mounting

Technical data ETIM 9.0

Cabinet enclosures (EG000011) / Enclosure/cabinet (empty) (EC000261)

Electric engineering, automation, process control engineering / Electrical cabinet, housing, rack / Electrical cabinet (empty) / Electrical cabinet, Empty enclosures (ecl@ss13-27-18-01-01 [AGZ056021])

Width		mm	800
Height		mm	600
Depth		mm	300
Material			Steel
Material quality			Other
Surface finishing			Powder coating
Colour			Grey
RAL-number			7035
Freestanding			No
Floor standing wall model			Yes
Suitable for wall mounting			Yes
Corner model			No
Intermediate mounting			Yes
Couplable			No
With mounting plate			Yes
Mounting plate depth-adjustable			No
Suitable for wall built-in			Yes
Pole fastening			Yes
With door			Yes
Number of doors			2
With glazed door			No
With ventilation door			No
With rear door			No
Number of locks			1
With cover			Yes
Transparent cover			No
Suitable for metrical mounting			Yes
Suitable for outdoor set-up			No
Pitched roof			No
Number of connector holes			0
Pre-stamping			No
EMC-version			No
Impact strength			IK09
Degree of protection (IP)			Other
Degree of protection (NEMA)			Other
Thermal dissipation (Delta T = 20 K) according to IEC/TR 60890		W	81
Max. permissible load of the enclosure according to IEC 62208		N	3250
Max. permissible load of the door(s) according to IEC 62208		N	250
Max. permissible load of the mounting plate according to IEC 62208		N	3000

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