DATASHEET - CS-106/250



Wall enclosure with mounting plate, HxWxD=1000x600x250mm

Part no. CS-106/250
111712

EL Number (Norway) 2466136

General specifications

Product name	Eaton xEffect CS enclosure single door
Part no.	CS-106/250
EAN	4015081112715
Product Length/Depth	250 millimetre
Product height	1000 millimetre
Product width	600 millimetre
Product weight	43.05 kilogram
Compliances	UL 508A; CSA-C22.2 No.14; IEC/EN 62208; CE marking 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)
Certifications	UL CSA08 (request filed) In accordance with Directive 2015/863/EU of the European Parliament and Council IEC/EN 62208 UL (File No. E336299) UL (Category Control Number NITW)
Product Tradename	xEffect CS
Product Type	Enclosure
Product Sub Type	Single door
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

Delivery program

Type	Wall-mounting housing with mounting plate Wall-mounting housing CS
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	Structured powder spray polyester based paint finish Gloss Powder coating Semi-textured
Surface treatment	Structured powder spray polyester based paint finish
Mounting method	Intermediate mounting Wall fastening 9 mm drilling dimensions for wall mounting (Back plate)
Mounting plate height	970 mm
Mounting plate material	Sheet steel, hot-galvanized
Mounting plate width	550 mm
Material	Steel plate Steel
Material thickness (body)	1.5 mm
Material thickness (bottom plate)	2 mm
Material thickness (door)	2 mm
Material quality	Other
Degree of protection	IK10 IK10 (impact resistance) IEC: IP66, indoor; UL/CSA Types 1, 12, indoor only. IP66 12 (NEMA) IP23 (with ventilating plates)
Number of F3A flanges	2
Number of connector holes	0
Number of covers/doors	1

Number of hinges	3
Number of locks	1
Load capacity (door)	40 kg
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. 350 kg
Permissible load of the door(s) according to IEC 62208 - max	400 N
Permissible load of the enclosure according to IEC 62208 - max	3900 N
Permissible load of the mounting plate according to IEC 62208 - max	3500 N
Weight of mounted components - max	390 kg
Cover/door angle	120° door opening angle
Cover/door profile	2 door profiles
Cover/door type	Door hinges on the right, can be converted by user Closed Standard closure 3 mm double-ward key (door interlock)
Flange plate dimensions	172 mm x 432 mm
Installation site	Indoor installation
Installation type	Floor standing wall model
Thickness of mounting plate	3 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)	79 W
Heat diss. ambient 35°C delta T: 35°C wall mount middle encl. top (IEC 60890)	125 W
Heat diss. ambient 35°C delta T:20°C wall mount individ. encl. top (IEC 60890)	91 W
Heat diss. ambient 35°C delta T:20°C wall mount starting encl. top (IEC 60890)	85 W
Heat diss. ambient 35°C delta T:35°C wall mount individ. encl. top (IEC 60890)	132 W
Heat diss. ambient 35°C delta T:35°C wall mount starting encl. top (IEC 60890)	157 W
Heat diss. wall mount individual encl. top	91 W
Heat diss. wall mount middle encl. top	79 W
Heat diss. wall mount starting encl. top	85 W
Thermal dissipation (Delta T = 20 K) according to IEC/TR 60890	91 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	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 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:		Door Cover Mounting plate Including M6 threaded welded studs for earth conductor connections in the door:
Functions		Floor standing enclosure
RAL-number		7035
Special features		Top plate without apertures Side plates without apertures Including M6 threaded welded studs for earth conductor connections in the door Lock, 3 mm double ward key Single door, door stop on the right, door opening angle 120° Bottom plate with foamed gasket. Sheet steel mounting plate Impact resistance category IK10 to EN 62262. Foamed polyurethane sealing throughout. Powder coating RAL 7035 inside and outside Standardized locking system with sash fastener. Door hinge pins with quick change technology. Bottom plate enclosed, foamed gasket, can be unscrewed for F3A-… flanges or for assembly by user
Suitable for		Metrical mounting
Used with		Industrial control panels

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	600
Height	mm	1000
Depth	mm	250
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		1
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		IK10
Degree of protection (IP)		IP66

Degree of protection (NEMA)			12
Thermal dissipation (Delta T = 20 K) according to IEC/TR 60890		W	91
Max. permissible load of the enclosure according to IEC 62208		N	3900
Max. permissible load of the door(s) according to IEC 62208		N	400
Max. permissible load of the mounting plate according to IEC 62208		N	3500

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