DATASHEET - CS-43/200

Wall enclosure with mounting plate, HxWxD=400x300x200mm

EA·T·N

Powering Business Worldwide™

Part no.	CS-43/200
	111682
EL Number (Norway)	2466106

General specifications

Product name		Eaton xEffect CS enclosure single door
Part no.		CS-43/200
EAN		4015081112418
Product Length/Depth		200 millimetre
Product height		400 millimetre
Product width		300 millimetre
Product weight		7.79 kilogram
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 In accordance with Directive 2015/863/EU of the European Parliament and Council UL CSA08 (request filed) IEC/EN 62208 UL (Category Control Number NITW) UL (File No. E336299)
Product Tradename		xEffect CS
Product Type		Enclosure
Product Sub Type		Single door
Catalog Notes		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 chang

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		Structured powder spray polyester based paint finish Powder coating Gloss Semi-textured
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		370 mm
Mounting plate material		Sheet steel, hot-galvanized
Mounting plate width		250 mm
Material		Steel Steel plate
Material thickness (body)		1.2 mm
Material thickness (bottom plate)		2 mm
Material thickness (door)		1 mm
Material quality		Other
Degree of protection		IEC: IP66, indoor; UL/CSA Types 1, 12, indoor only. IK09 12 (NEMA) IP66 IK09 (impact resistance) IP23 (with ventilating plates)

Number of F3A flanges		1
Number of connector holes		0
Number of covers/doors		1
Number of hinges		2
Number of locks		1
Load capacity (door)		25 kg
Load capacity (mounting plate)		150 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		1750 N
Permissible load of the mounting plate according to IEC 62208 - max		1500 N
Weight of mounted components - max		175 kg
Cover/door angle		120° door opening angle
Cover/door profile		2 door profiles
Cover/door type		Standard closure 3 mm double-ward key (door interlock) Door hinges right Can be converted by user Door hinges on the right, can be converted by user
Flange plate dimensions		172 mm x 262 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)		20 W
Heat diss. ambient 35°C delta T: 35°C wall mount middle encl. top (IEC 60890)		43 W
Heat diss. ambient 35°C delta T:20°C wall mount individ. encl. top (IEC 60890)		24 W
Heat diss. ambient 35°C delta T:20°C wall mount starting encl. top (IEC 60890)		22 W
Heat diss. ambient 35°C delta T:35°C wall mount individ. encl. top (IEC 60890)		51 W
Heat diss. ambient 35°C delta T:35°C wall mount starting encl. top (IEC 60890)		47 W
Heat diss. wall mount individual encl. top		24 W
Heat diss. wall mount middle encl. top		20 W
Heat diss. wall mount starting encl. top		22 W
Thermal dissipation (Delta T = 20 K) according to IEC/TR 60890		24 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		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:			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			Bottom plate 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 Side plates without apertures Top plate without apertures
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	300
Height		mm	400
Depth		mm	200
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			IK09
Degree of protection (IP)			IP66
Degree of protection (NEMA)			12
Thermal dissipation (Delta T = 20 K) according to IEC/TR 60890		W	24
Max. permissible load of the enclosure according to IEC 62208		N	1750
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	1500