Wall enclosure with mounting plate, HxWxD=400x300x200mm



Part no. CS-43/200

111682

EL Number 2466106

(Norway)

(Norway)	
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	
Туре	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.

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 Fluor standing enclosure 7035 Special features Bottom plate enclosed, foamed gasket, can be unscrewed for F3A flanges or assembly by user Foamed polyurethane sealing throughout. Impact resistance category IKO9 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		
10.13 Mechanical function Meets the product standard's requirements. Sdditional information Wall build in Pole fasterning Features Wall build in Pole fasterning 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 assembly by user Fasternee depolyurethane 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 Suitable for Metrical mounting	10.11 Short-circuit rating	Is the panel builder's responsibility.
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 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 Suitable for Metrical mounting	10.12 Electromagnetic compatibility	Is the panel builder's responsibility.
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 RAL-number Special features Tops plate without apertures Top plate	10.13 Mechanical function	Meets the product standard's requirements.
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Special features Bottom plate enclosed, foamed gasket, can be unscrewed for F3A flanges or a 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	Functions	Floor standing enclosure
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	Special features	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
Used with Industrial control panels	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 Moment 300 Height 400 400 Depth 500 300 Material Quality 500 1000 Surface finishing 600 1000 All-muther 700 1000 Recestanding Vall 600 1000 Floor standing wall model 900 1000 Suitable for wall mounting 800 1000 Corper model 900 1000 Intermediate mounting 900 1000 Colligation 900 1000 With mounting plate 900 1000 With mounting plate dooth-adjustable 900 1000 Suitable for wall built-in 900 1000 With mounting plate dooth-adjustable 900 1000 With qualitating wall 900 1000 With q			
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Material Stele Material quality Other Surface finishing Powder coating Colour Grey RAI-number No Freestanding No Floor standing wall model Yes Suitable for wall mounting Yes Corner modal No Intermediate mounting Yes Coughable No With mounting plate dopth-adjustable No Suitable for wall built-in Yes Voice fastening Yes With door Yes Value of doors Yes With door Yes With rear door Yes	Height	mm	400
Material quality Other Surface finishing powder coating Colour Fee RAL-number 703 Freestanding No Floor standing wall model Yes Suitable for wall mounting Yes Corner model Yes Intermediate mounting Yes Couplable Yes With mounting plate Yes With mounting plate depth-adjustable Yes Suitable for wall built-in Yes Pole fastening Yes With door Yes With glazed dorth-adjustable Yes With door Yes With glazed forwall built-in	Depth	mm	200
Surface finishing Powder coating Colour Grey RAL-number 7035 Freestanding No Floor standing wall model Yes Suitable for wall mounting No Corner model No Intermediate mounting Yes Couplable No With mounting plate Yes With mounting plate depth-adjustable No Suitable for wall built-in Yes Pole fastening Yes With ador Yes With glazed door Yes With glazed door Yes With glazed door No With vential and off No With rear door No With rear door No With reard flocks Yes With cover Yes Yes With reard flocks Yes With cover Yes Yes Yes With reard flocks Yes With cover Yes	Material		Steel
ColourGreyRAL-number703FreestandingNoFroestanding wall modelYesSuitable for wall mountingYesCorner modelNoIntermediate mountingYesCouplableNoWith mounting plateYesMounting plate depth-adjustableNoSuitable for wall built-inYesPole fasteningYesWith doorYesWith doorYesWith glazed doorYesWith special doorYesWith ventilation doorYesWith rear doorNoWith rear doorNoWith rear doorNoWith rear doorNoWith coverYesTansparent coverYesSuitable for metrical mountingYesSuitable for metrical mountingNo	Material quality		Other
RAL-number 735 Freestadding 705 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 Yes With glazed door Yes With ventilation door Yes With rear door No With rear door No With rear door No With rear door No With rear door Yes With rear door No With cover Yes Transparent cover Yes Solid played Yes With cover Yes Yes Yes With cover Yes Yes Yes	Surface finishing		Powder coating
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CouplableNoWith mounting plateYesMounting plate depth-adjustableNoSuitable for wall built-inYesPole fasteningYesWith doorYesNumber of doors1With glazed doorNoWith ventilation doorNoWith rear doorNoNumber of locks1With coverYesTransparent coverNoSuitable for metrical mountingYes	Corner model		No
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With door Number of doors Nith glazed door With ventilation door With rear door No Number of locks Number of locks Transparent cover Suitable for metrical mounting Yes 1 Yes 1 No No No Yes No No Yes Yes Yes Yes Yes	Suitable for wall built-in		Yes
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With ventilation doorNoWith rear doorNoNumber of locks1With coverYesTransparent coverNoSuitable for metrical mountingYes	Number of doors		1
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Number of locks With cover Transparent cover Suitable for metrical mounting 1 Yes No Yes	With ventilation door		No
With cover Yes Transparent cover No Suitable for metrical mounting Yes	With rear door		No
Transparent cover No Suitable for metrical mounting Yes	Number of locks		1
Suitable for metrical mounting Yes	With cover		Yes
	Transparent cover		No
Suitable for outdoor set-up No	Suitable for metrical mounting		Yes
	Suitable for outdoor set-up		No
Pitched roof 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