

Wall enclosure with mounting plate, HxWxD=800x600x250mm

Part no. CS-86/250
111707
EL Number 2466131
(Norway)

| General specifications | | |
|-----------------------------------|--|--|
| Product name | | Eaton xEffect CS enclosure single door |
| Part no. | | CS-86/250 |
| EAN | | 4015081112661 |
| Product Length/Depth | | 250 millimetre |
| Product height | | 800 millimetre |
| Product width | | 600 millimetre |
| Product weight | | 32.72 kilogram |
| Compliances | | UL 508A; CSA-C22.2 No.14; IEC/EN 62208; CE marking 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 |
| Certifications | | UL (Category Control Number NITW) IEC/EN 62208 UL (File No. E336299) UL CSA08 (request filed) 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 Structured powder spray polyester based paint finish Powder coating Gloss |
| Surface treatment | | Structured powder spray polyester based paint finish |
| Mounting method | | 9 mm drilling dimensions for wall mounting (Back plate) Wall fastening Intermediate mounting |
| Mounting plate height | | 770 mm |
| Mounting plate material | | Sheet steel, hot-galvanized |
| Mounting plate width | | 550 mm |
| Material | | Steel Steel plate |
| 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 12 (NEMA) IP66 IEC: IP66, indoor; UL/CSA Types 1, 12, indoor only. IP23 (with ventilating plates) IK09 (impact resistance) |
| Number of F3A flanges | | 2 |
| Number of connector holes | | 0 |
| Number of covers/doors | | 1 |
| Number of hinges | | 3 |
| Number of locks | | 2 |
| Load capacity (door) | | 25 kg |

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| 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. 300 kg |
| 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 | | 325 kg |
| Cover/door angle | | 120° door opening angle |
| Cover/door profile | | 2 door profiles |
| Cover/door type | | Closed Standard closure 3 mm double-ward key (door interlock) Door hinges on the right, can be converted by user |
| 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) | | 65 W |
| Heat diss. ambient 35°C delta T: 35°C wall mount middle encl. top (IEC 60890) | | 126 W |
| Heat diss. ambient 35°C delta T: 20°C wall mount individ. encl. top (IEC 60890) | | 75 W |
| Heat diss. ambient 35°C delta T: 20°C wall mount starting encl. top (IEC 60890) | | 70 W |
| Heat diss. ambient 35°C delta T: 35°C wall mount individ. encl. top (IEC 60890) | | 143 W |
| Heat diss. ambient 35°C delta T: 35°C wall mount starting encl. top (IEC 60890) | | 134 W |
| Heat diss. wall mount individual encl. top | | 75 W |
| Heat diss. wall mount middle encl. top | | 65 W |
| Heat diss. wall mount starting encl. top | | 70 W |
| Thermal dissipation (Delta T = 20 K) according to IEC/TR 60890 | | 75 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: | | Mounting plate Including M6 threaded welded studs for earth conductor connections in the door: |

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| | | 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

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| 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 | 800 |
| 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 | | | 2 |
| 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 | 75 |
| 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 |

