

Wall enclosure with mounting plate, HxWxD=250x200x150mm



Part no. CS-2520/150
111646
EL Number 2466100
(Norway)

| General specifications | | |
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| Product name | | Eaton xEffect CS enclosure single door |
| Part no. | | CS-2520/150 |
| EAN | | 4015081112050 |
| Product Length/Depth | | 150 millimetre |
| Product height | | 250 millimetre |
| Product width | | 200 millimetre |
| Product weight | | 3.5 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 | | UL (Category Control Number NITW) UL CSA08 (request filed) In accordance with Directive 2015/863/EU of the European Parliament and Council IEC/EN 62208 UL (File No. E336299) |
| 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 | | Light gray (RAL 7035) Gray |
| 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 Powder coating Gloss Structured powder spray polyester based paint finish |
| 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 | | 220 mm |
| Mounting plate material | | Sheet steel, hot-galvanized |
| Mounting plate width | | 150 mm |
| Material | | Steel plate Steel |
| Material thickness (body) | | 1.2 mm |
| Material thickness (bottom plate) | | 2 mm |
| Material thickness (door) | | 1 mm |
| Material quality | | Other |
| Degree of protection | | IK09 (impact resistance) IP66 IP23 (with ventilating plates) IEC: IP66, indoor; UL/CSA Types 1, 12, indoor only. IK09 12 (NEMA) |
| Number of connector holes | | 0 |
| Number of covers/doors | | 1 |
| Number of hinges | | 2 |
| Number of locks | | 1 |
| 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. 125 kg |
| Permissible load of the door(s) according to IEC 62208 - max | | 250 N |
| Permissible load of the enclosure according to IEC 62208 - max | | 1500 N |
| Permissible load of the mounting plate according to IEC 62208 - max | | 1250 N |
| Weight of mounted components - max | | 150 kg |
| Cover/door angle | | 120° door opening angle |
| Cover/door profile | | 1 door profile |
| Cover/door type | | Door hinges right Standard closure 3 mm double-ward key (door interlock) Can be converted by user Door hinges on the right, can be converted by user |
| Flange plate dimensions | | 112 mm x 167 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) | | 9 W |
| Heat diss. ambient 35°C delta T: 35°C wall mount middle encl. top (IEC 60890) | | 21 W |
| Heat diss. ambient 35°C delta T: 20°C wall mount individ. encl. top (IEC 60890) | | 11 W |
| Heat diss. ambient 35°C delta T: 20°C wall mount starting encl. top (IEC 60890) | | 10 W |
| Heat diss. ambient 35°C delta T: 35°C wall mount individ. encl. top (IEC 60890) | | 25 W |
| Heat diss. ambient 35°C delta T: 35°C wall mount starting encl. top (IEC 60890) | | 23 W |
| Heat diss. wall mount individual encl. top | | 11 W |
| Heat diss. wall mount middle encl. top | | 9 W |
| Heat diss. wall mount starting encl. top | | 10 W |
| Thermal dissipation (Delta T = 20 K) according to IEC/TR 60890 | | 11 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 | | U _i = 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 |

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| | | Including M6 threaded welded studs for earth conductor connections in the door: Cover Door |
| Functions | | Floor standing enclosure |
| RAL-number | | 7035 |
| Special features | | Enclosed, foamed gasket Foamed polyurethane sealing throughout. Impact resistance category IK09 to EN 62262. Sheet steel mounting plate Bottom plate with foamed gasket. Lock, 3 mm double ward key Including M6 threaded welded studs for earth conductor connections in the door Side plates without apertures 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 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 | 200 |
| Height | mm | 250 |
| Depth | mm | 150 |
| 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 | 11 |
| Max. permissible load of the enclosure according to IEC 62208 | N | 1500 |
| 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 | 1250 |

