

| Part no. |
|-------------|
| Article no. |

CS-810/300 111711



Delivery program

| Product range | | | Wall-mounting housing CS |
|--------------------------------------|---------------|----|---|
| Product function | | | Wall-mounting housing with mounting plate |
| Degree of Protection | | | IP66 IP23 (with ventilating plates) |
| Description | | | 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 |
| Material | | | Steel plate |
| Dimensions | | | |
| Width | | mm | 1000 |
| Height | | mm | 800 |
| Depth | | mm | 300 |
| Locks | Number | | 2 |
| Hinges | Number | | 3 |
| Door profile molding | Number | | 2 |
| Flange plates | Width x Depth | mm | 172 x 932 |
| Max. F3A flanges | Number | | 3 |
| Mounting plates | | | |
| Height | | mm | 770 |
| Width | | mm | 950 |
| Weight | | kg | 54.2 |
| Information about equipment supplied | | | Lock, 3 mm double ward key Including M6 threaded welded studs for earth conductor connections in the door |

Technical data

| General | | | |
|--|----------------|----|--|
| Standards | | | IEC/EN 60529, IEC 62262, IEC/EN 62208 |
| RoHS | | | In accordance with Directive 2002/95/EC of the European Parliament and Council |
| RoHS (in accordance with Directive 2002/95/EC of the European Parliament and Council) $\label{eq:council}$ | | | yes |
| Climatic proofing | | | Damp heat, constant, to IEC 60068-2-78; Damp heat, cyclical, to IEC 60068-2-30 |
| Ambient temperature | | °C | -40 - +70 |
| Degree of Protection | | | IP66 IP23 (with ventilating plates) |
| Installation conditions | | | Indoor-/outdoor installation |
| Power loss | | | |
| | | | Power loss P_v [W] for fully enclosed sheet steel enclosure CS without internal partitions for wall mounting. Example: max. ambient temperature 35°C; Overtemperature ΔT = 20 K; Relative humidity = 75%. |
| Max. heat dissipation | | | |
| Individual enclosure for wall mounting | P _V | W | 120 |
| Starting enclosure for wall mounting | P _V | W | 113 |
| Middle enclosure for wall mounting | P _V | W | 108 |
| Material characteristics | | | |
| Material | | | Steel plate |
| Surface treatment | | | Structured powder spray polyester based paint finish |
| Surface finish | | | Semi-textured |
| Colour | | | light gray (RAL 7035) |

| Body nm 5.4 1.4 < | Finish | | | Gloss |
|---|--------------------------------------|--------|----|---|
| Muniting plato Imm 3 Bottom plate 2 Bottom plate Imm 1 Muniting plato Imm 1 Mutiting properties Imm 1 Mutiting plato Imm 1 Impact resistance Imm 1 Impact resistance Imm 1 Impact resistance Imm 1 Muniting plato | Material thickness | | mm | |
| Door mm 2 Bottom plate mm 1.5 Material properties K08 according to EN 62262. Impact resistance K08 according to EN 62262. max. assembly weights K9 30 Total of Weight of fitted components Kg 30 Mounting plate Kg 30 Door Kg 50 Bottom plate Kg 50 Door Kg 50 Bottom plate Solid p previded, whole weights are symmetrically distributed within the enclosure conversed weights are symmetrically distributed within the enclosure conversed weights are symmetrically distributed weight are symmetrically distributed weight are symmetrically distributed weights are symmetrical | Body | | mm | 1.5 |
| Bottom plate Image Image Image Image Mechanical Image Image </td <td>Mounting plate</td> <td></td> <td>mm</td> <td>3</td> | Mounting plate | | mm | 3 |
| Material properties Mechanical Impact resistance Impact resista | Door | | mm | 2 |
| Mechanical Impact resistance Impact re | Bottom plate | | mm | 1.5 |
| Impact resistance K98 according to EN 6252 max. assembly weights kg 30 Total of Weight of fitted components kg 30 Mounting plate kg 40 Door kg 50 Botto appretures 50 400 Stel plates Faclosed, foamed gaket, can be unscrewed for F3A finages or for assembly by user Mounting plate, material Kg 50 Door, Engineering Kg Faclosed, foamed gaket, can be unscrewed or F3A finages or foa | Material properties | | | |
| max. assembly weights reference reference <threference< th=""> <threference< th=""></threference<></threference<> | Mechanical | | | |
| Total of Weight of fitted components kg 30 Mounting plate 50 30 Door Kg 40 Door Kg 40 Door Nok payload, when brackets fitted in all four enclosure correct (vertically or not once to some town including two M6 threaded bolts for earth conductor connections inside the enclosure. Door Side plates Some down including dimensions for wall mounting Side plates Yinout apertures Winout apertures Door, Engineering Including threaded welded studs for earth conductor connections in the door. Including M6 threaded welded studs for earth conductor connections in the door. Information about equipment supplied Image: Some down in the some down in the door. Including M6 threaded welded studs for earth conductor connections in the door. Door hinges Including M6 threaded welded studs for earth conductor connections in the door. Including M6 threaded welded studs for earth conductor connections in the door. Door hinges. Including M6 threaded welded studs for earth conductor connections in the door. Including M6 threaded welded studs for earth conductor connections in the door. Door hinges. Including M6 threaded welded studs for earth conductor connections in the door. Including M6 threaded welded studs for earth conductor connections in | Impact resistance | | | IK09 according to EN 62262 |
| Mounting plate Kag 55 Door Kag 40 Door Sol kg payload, when brackets fitted in all four enclosure corners (vertically or notically) and the weights are symmetrically distributed within the enclosure. Description/standard features Construction Canted and seam weiled, including two M6 threaded bolts for earth conductor connections inside the enclosure. Back plate Ganted and seam weiled, including two M6 threaded bolts for earth conductor connections inside the enclosure. Side plates Top plate Mounting plate, material Without apertures Mounting plate, material Enclosed, foamed gasket, can be unscrewed for F3A flanges or for assembly by user Mounting plate, material Enclosed, foamed gasket, can be unscrewed for F3A flanges or for assembly by user Mounting plate, material Enclosed, foamed gasket, can be unscrewed for F3A flanges or for assembly by user Nor, Engineering Including M6 threaded weiled studs for earth conductor connections in the door: a connectione ground contactor connection must be established with a protective ground cable? Door hinges On the right, can be converted by user Type Door Cont hinges right can be converted by user door opening angle Iot Door inters/cok Frelectricion insulated tu | max. assembly weights | | | |
| box kg 4 Dosr S00 kg payload, when brackets fitted in all four enclosure corners (vertically or noizontally) and the weights are symmetrically distributed within the enclosure. Dostrotection (connections inside the enclosure. Description/standard features Canted and seam welded, including two M6 threaded bolts for earth conductor connections inside the enclosure. Side plates Side plates Side plates Side plates Without apertures Dot plate Side plates Without apertures Without apertures Mounting plate, material Side plates Side plates Side steel, hot-galvanized Door, Engineering Including M6 threaded welded studs for earth conductor connections in the door. Including M6 threaded welded studs for earth conductor connections in the door. Door hinges Including M6 threaded welded studs for earth conductor connections in the door. Including M6 threaded welded studs for earth conductor connections in the door. Type Door In the right, can be converted by user In the right can be converted by user Goor oneing angle Ioor interload. Ioor interload. Door interloack Ioor insulated turn-buckle Standard closure 3 mm double-ward key | Total of Weight of fitted components | | kg | 390 |
| Description/standard features 500 kg payload, when brackets fitted in all four enclosure corners (vertically or horizontally) and the weights are symmetrically distributed within the enclosure. Construction Sande and aseam welded, including two M6 threaded bolts for earth conductor connections inside the enclosure. Back plate 9 mm drilling dimensions for wall mounting Top plate Without apertures Bottom plate, material Without apertures Door, Engineering Sheet steel, hot-galvanized Information about equipment supplied Sheet steel, hot-galvanized Door, Engineering Including M6 threaded welded studs for earth conductor connections in the door including M6 threaded welded studs for earth conductor connections in the door including M6 threaded welded studs for earth conductor connections in the door including M6 threaded welded studs for earth conductor connections in the door including M6 threaded welded studs for earth conductor connections in the door including M6 threaded welded studs for earth conductor connections in the door including M6 threaded welded studs for earth conductor connections in the door including M6 threaded welded studs for earth conductor connections in the conserted including M6 threaded welded studs for earth conductor connections in the conserted including M6 threaded welded studs for earth conductor connections in the conserted including M6 threaded welded studs for earth conductor connections in the conserted including M6 threaded welded studs for earth conductor connections in the conserted including M6 threaded welded studs for earth conductor connections in the conserted incon be | Mounting plate | | kg | 350 |
| Description/standard features Indiciditally and the weights are symmetrically distributed within the enclosure. Construction Canel and seam welded, including two M6 threaded bolts for earth conductor connections inside the enclosure. Back plate 9 mm drilling dimensions for well mounting Side plates Without apertures Top plate Without apertures Bottom plate Face seat of the enclosure. Mounting plate, material Face seat of the enclosure of the enclosure of the enclosure. Information about equipment supplied Face seat of the enclosure. Door, fingenering Face seat of the enclosure. Information about equipment supplied Face seat of the enclosure. Door hinges Face seat of the enclosure. Type Door Oor hinges right can be converted by user Door hinges right can be converted by user Sort right can be converted by user Door hinges right can be converted by user Sort right can be converted by user Door hinges right can be converted by user Sort right can be converted by user Door hinges right can be converted by user Sort right can be converted by user Door hinges right can be converted by user Sort right can be converted by user <t< td=""><td>Door</td><td></td><td>kg</td><td>40</td></t<> | Door | | kg | 40 |
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| Bottom plate Enclosed, foamed gasket, can be unscrewed for F3A flanges or for assembly by user Mounting plate, material Sheet steel, hot-galvanized Door, Engineering Including M6 threaded welded studs for earth conductor connections in the door: Information about equipment supplied Cock, 3 mm double ward key Door hinges Feletrical apparatus is to be installed in the door, a continuous, permanent protective ground contactor connection must be established with a protective ground contactor connecting not the cabinet side ward welded studs on the door and on the cabinet side ward by user Door hinges On the right, can be converted by user Type Door Door hinges right door opening angle Ioo Door interlock Protection insulated turn-buckle Boor interlock Protection insulated turn-buckle | Side plates | | | Without apertures |
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| Including M6 threaded welded studs for earth conductor connections in the door Including M6 threaded welded studs for earth conductor connections in the door Including M6 threaded welded studs for earth conductor connections in the door Including M6 threaded welded studs for earth conductor connections in the door Including M6 threaded welded studs for earth conductor connections in the door Including M6 threaded welded studs for earth conductor connections in the door Including M6 threaded welded studs for earth conductor connections in the door Including M6 threaded welded studs for earth conductor connections in the door Including M6 threaded welded studs for earth conductor connections in the door Including M6 threaded welded studs for earth conductor connections in the door Including M6 threaded welded studs for earth conductor connections in the door Including M6 threaded welded studs for earth conductor connections in the door Including M6 threaded welded studs for earth conductor connections in the door Including M6 threaded welded studs for earth conductor connections in the door Including M6 threaded welded studs for earth conductor Including M6 threaded welded studs for earth conductor <tr< td=""><td>Door, Engineering</td><td></td><td></td><td>Including M6 threaded welded studs for earth conductor connections in the door:</td></tr<> | Door, Engineering | | | Including M6 threaded welded studs for earth conductor connections in the door: |
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| door opening angle 120° Door interlock Image: Constraint of the con | Door hinges | | | On the right, can be converted by user |
| Door interlock Protection insulated turn-buckle Standard closure 3 mm double-ward key | Type Door | | | |
| Standard closure 3 mm double-ward key | door opening angle | | | 120° |
| Locks Number 2 | Door interlock | | | |
| | Locks | Number | | 2 |

Design verification as per IEC/EN 61439

| Technical data for design verification | | | |
|--|----------------|----|--|
| Heat dissipation, at an ambient temperature of 35°C, delta T: 20 degrees, calculated as per IEC 60890 | | | |
| Individual enclosure for wall mounting | PV | C0 | 106 |
| Starting enclosure for wall mounting | P _V | C0 | 101 |
| Middle enclosure for wall mounting | P _V | C0 | 98 |
| Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees, calculated as per IEC 60890 | | | |
| Individual enclosure for wall mounting | P _V | C0 | 212 |
| Starting enclosure for wall mounting | P _V | C0 | 203 |
| Middle enclosure for wall mounting | P _V | CO | 196 |
| IEC/EN 61439 design verification | | | |
| 10.2 Strength of materials and parts | | | |
| 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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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_x |
| 10.4 Clearances and creepage distances | Is the panel builder's responsibility. |
| 10.5 Protection against electric shock | $<$ 0.1 $\Omega;$ 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 Insulation properties | |
| 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. |

| Approvals | |
|--------------------------------------|---|
| Product Standards | UL 508A; CSA-C22.2 No.14; IEC/EN 60529; CE marking |
| UL File No. | E336299 |
| UL Category Control No. | NITW |
| CSA File No. | - |
| CSA Class No. | - |
| North America Certification | Request filed for CSA |
| Conditions of Acceptability | Series CS may be provided with metal sub-panel. No back mounted components are allowed between sub-panel and the back sheet metal enclosure |
| Specially designed for North America | No |
| Suitable for | Industrial Control Panels |
| Degree of Protection | IEC: IP66, indoor and outdoor; UL/CSA Types 1, 12, indoor only. |
| | |

Dimensions

Dimensions

Additional product information (links)

 AWA4300-2521 CS wall-mounted sheet steel enclosures with mounting plate

 AWA4300-2521 CS wall-mounted sheet steel enclosures with mounting plate

 Declaration of conformity
 http://intranet.moeller.net/technik_daten/file/produkt_deklarationen/file/konformitaeten/00002/00002259.pdf