

Part no. Article no. CS-43/200 111682



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 | 300 |
| Height | | mm | 400 |
| Depth | | mm | 200 |
| Locks | Number | | 1 |
| Hinges | Number | | 2 |
| Door profile molding | Number | | 2 |
| Flange plates | Width x Depth | mm | 172 x 262 |
| Max. F3A flanges | Number | | 1 |
| Mounting plates | | | |
| Height | | mm | 370 |
| Width | | mm | 250 |
| Weight | | kg | 7.6 |
| Information about equipment supplied | | | Lock, 3 mm double ward key Including M6 threaded welded studs for earth conductor connections in the door |

Technical data

| eral | | | |
|---|----------------|----|--|
| idards | | | IEC/EN 60529, IEC 62262, IEC/EN 62208 |
| S | | | In accordance with Directive 2002/95/EC of the European Parliament and Council |
| S (in accordance with Directive 2002/95/EC of the European Parliament ar ncil) | ıd | | yes |
| atic proofing | | | Damp heat, constant, to IEC 60068-2-78; Damp heat, cyclical, to IEC 60068-2-30 |
| ient temperature | | °C | -40 - +70 |
| ree of Protection | | | IP66 IP23 (with ventilating plates) |
| allation conditions | | | Indoor-/outdoor installation |
| er 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 | Pv | W | 24 |
| Starting enclosure for wall mounting | P _V | W | 22 |
| Middle enclosure for wall mounting | Pv | W | 20 |
| terial characteristics | | | |
| erial | | | Steel plate |
| ace treatment | | | Structured powder spray polyester based paint finish |
| ace finish | | | Semi-textured |
| ur | | | light gray (RAL 7035) |

| Body Imm 1.2 Mouning plate Imm 2 Dor Imm 1.3 Botten plate Imm 1.3 Material properties Imm 1.3 Material properties Imm 1.3 Impact resistance Imm 1.3 Impact resistance Imm 1.3 Impact resistance Imm 1.3 Total of Weight of fitted components Imm 1.3 Mounting plate Imm 1.3 Dor Imm 1.3 Construction Imm 1.3 Dor Imm 1.3 Construction Imm 1.3 Back plate Imm 2.3 Side plate | Finish | | | Gloss |
|--|--------------------------------------|--------|----|---|
| Muniting plate Muniting plate Immediate Immediat Immediate Immediate | Material thickness | | mm | |
| Door Image: | Body | | mm | 1.2 |
| Bottom plate mm 1.3 Bottom plate Mechanical Mechanical <td< td=""><td>Mounting plate</td><td></td><td>mm</td><td>2</td></td<> | Mounting plate | | mm | 2 |
| Material properties Machanical Image of resistance < | Door | | mm | 1 |
| Mechanical Impact resistance Impact resistance <thr< td=""><td>Bottom plate</td><td></td><td>mm</td><td>1.5</td></thr<> | Bottom plate | | mm | 1.5 |
| Impact resistance Ke9 according to EN 6252 max. assembly weights kg 15 Total of Weight of fitted components kg 16 Mounting plate kg 15 Door kg 25 Door Kg 26 Stel plate Stel plate 26 Bottom plate Kg Khout apertures Mounting plate, material Stel stel, hot-galvanized Door, Engineering Including Mit threaded weided studs for earth conductor connections in the door Including Mit treaded weided studs for earth conductor connections in the door Including Mit treaded we | Material properties | | | |
| max. assembly weights reference Total of Weight of fitted components kg 175 Mounting plate kg 50 Door Kg 25 Docr Sold optic weights are symmetrically distributed within the enclosure corners (vertically or horizontally) and the weights are symmetrically distributed within the enclosure corners (vertically or horizontally) and the weights are symmetrically distributed within the enclosure corners (vertically or horizontally) and the weights are symmetrically distributed within the enclosure corners (vertically or horizontally) and the weights are symmetrically distributed within the enclosure connections inside the enclosure. Description/standard features Canted and seam weided, including two M6 threaded bolts for earth conductor connections inside the enclosure. Back plate Sold optic apertures Sold optic apertures Top plate Mounting plate, matorial Sold optic apertures Door, Engineering Including M6 threaded weided studs for earth conductor connections in the door in the door in the door in the door in the cobinet side weided studs of or earth conductor connections in the door in the door in the cobinet side weided studs of the aperture is to be installed in the door, a continuous permeasent protective ground contactor connection must be established with a protective ground contactor connections in the cobor in the side weided studs of the aperture is to be installed in the door, a continuous permeasent protective ground contactor connection must be established with a prot | Mechanical | | | |
| Tota of Weight of fitted components Ig | Impact resistance | | | IK09 according to EN 62262 |
| Mounting plate kg 150 Door 500 kg payload, when brackets fitted in all four enclosure corners (vertically or norschut)/ and the weights are symmetrically distributed within the enclosure. Description/standard features 500 kg payload, when brackets fitted in all four enclosure corners (vertically or norschut)/ and the weights are symmetrically distributed within the enclosure. Description/standard features 500 kg payload, when brackets fitted in all four enclosure corners (vertically or norschut)/ and the weights are symmetrically distributed within the enclosure. Description/standard features 500 kg payload, when brackets fitted in all four enclosure corners (vertically or norschut)/ and the weights are symmetrically distributed within the enclosure. Back plate 500 kg payload, when brackets fitted in all four enclosure corners (vertically or norschut)/ and the weights are symmetrically distributed within the enclosure. Top plate 9 mm drilling dimensions for wall mounting Bottom plate Without apertures Mounting plate, material 5 ket steel, hot-galvanized Door, Engineering Including M6 threaded weided studs for earth conductor connections in the door: a continuous, permanent protective ground contactor connection must be established with a protective ground contactor connection ground beads. Door hinges 0 m the right, can be converted by user Type Door 100 m tringht can be converted by | max. assembly weights | | | |
| box kg 5 Description/standard features 500 kg payload, when brackets fitted in all four enclosure corners (vertically or norizontally) and the weights are symmetrically distributed within the enclosure. Description/standard features 5 Construction Image: Standard | Total of Weight of fitted components | | kg | 175 |
| 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 Image: Construction is iside the enclosure. Back plate Image: Construction is iside the enclosure. Top plate Image: Construction is iside the enclosure. Bottom plate Image: Construction is iside the enclosure. Door, Engineering Image: Construction is iside the enclosure. Information about equipment supplied Image: Construction is iside the enclosure. Door hinges Image: Construction is iside the enclosure. Type Door Image: Construction is iside the enclosure. Door interfock Image: Con | Mounting plate | | kg | 150 |
| Description/standard features Norizontally) and the weights are symmetrically distributed within the enclosure. Construction Canted and seam 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 Including M6 threaded welded studs for earth conductor connections in the door: Information about equipment supplied Cock, 3 mm double ward key Door hinges Context of the ground context or buy sear Top Door Oor hinges right Top Door Context or buy sear Door hinges angle Door hinges right Top Door Correction insulated turn-buckle Door hinges right Correction insulated turn-buckle | Door | | kg | 25 |
| Construction Canted and seam welded, including two M6 threaded bolts for earth conductor connections inside the enclosure. Back plate 9 mm drilling dimensions for wall mounting Side plates Without apertures Top plate Without apertures 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 Lock, 3 mm double ward key Including M6 threaded welded studs for earth conductor connections in the door. Door hinges On the right, can be converted by user Type Door On the right, can be converted by user door opening angle Loo Door interlock Forection insulated turn-buckle stands for the ground leads. | | | | |
| Back plateconnections inside the enclosure. `Back plate9 mm drilling dimensions for wall mountingSide platesWithout aperturesTop plateWithout aperturesBottom plateEnclosed, foamed gasket, can be unscrewed for F3A flanges or for assembly by userMounting plate, materialSee tseel, hot-galvanizedDoor, EngineeringIncluding M6 threaded welded studs for earth conductor connections in the door.Information about equipment suppliedIncluding M6 threaded welded studs for earth conductor connections in the door.Door, EngineeringIncluding M6 threaded welded studs for earth conductor connections in the door.Information about equipment suppliedIncluding M6 threaded welded studs for earth conductor connections in the door.Door hingesInformationType DoorIncluding M6 threaded velded studs for the door and on the cabinet side welldoor opening angleDoor hinges rightDoor hinges rightInformation about equipment suppliedDoor hinges rightInformation about equipment by userDoor hinges rightInformation about equipment and the door and on the cabinet side wellInformation angleInformation about equipment by userDoor hinges rightInformation about equipment by userDoor hinges rightInformation about equipment by userInformation angleInformation about equipment by userDoor hinges rightInformation about equipment equipm | Description/standard features | | | |
| Side plates Without apertures Top plate Without apertures 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 Lock, 3 mm double ward key Including M6 threaded welded studs for earth conductor connections in the door. Door hinges On the right, can be converted by user Type Door Door hinges right can be converted by user door opening angle Door hinges right can be converted by user Door interlock Protection insulated turn-buckle Standard closure 3 mm double-ward key | Construction | | | |
| Top plate Without apertures 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 Lock, 3 mm double ward key 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 If electrical apparatus is to be installed in the door, a continuous, permanent supple double ward key Including M6 threaded welded studs on the door and on the cabinet side wal must be used as connecting points for the ground leads. Door hinges On the right, can be converted by user door opening angle I20° Door interlock I20° | Back plate | | | 9 mm drilling dimensions for wall mounting |
| 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 Felectrical apparatus is to be installed in the door, a continuous, permanent protective ground contactor connection must be established with a protective ground contactor connecting points for the ground leads. Door hinges On the right, can be converted by user Type Door Door hinges right can be converted by user door opening angle Zo° Door interlock Protection insulated turn-buckle stands turn-buckle st | Side plates | | | Without apertures |
| Mounting plate, material Image: See Steel, hot-galvanized Door, Engineering Including M6 threaded welded studs for earth conductor connections in the door: Information about equipment supplied Image: See Steel, hot-galvanized Image: See Steel, hot-galvanized | Top plate | | | Without apertures |
| Door, EngineeringIncluding M6 threaded welded studs for earth conductor connections in the door:Information about equipment suppliedIncluding M6 threaded welded studs for earth conductor connections in the doorInformation about equipment suppliedIncluding M6 threaded welded studs for earth conductor connections in the doorInformation about equipment suppliedIncluding M6 threaded welded studs for earth conductor connections in the doorInformation about equipment suppliedIncluding M6 threaded welded studs for earth conductor connections in the doorInformation about equipment suppliedIncluding M6 threaded welded studs for earth conductor connections in the doorInformation about equipment suppliedIncluding M6 threaded welded studs on the door, a continuous, permanent protective ground contactor connection must be established with a protective ground cable. The threaded welded studs on the door and on the cabinet side walk must be used as connecting points for the ground leads.Door hingesIncluding M6 threaded welded studs on the door and on the cabinet side walk must be used as connecting points for the ground leads.Type DoorIncluding angleIncluding angleIncluding Including Including S minduble-ward keyDoor interlockIncluding M6 threaded turn-buckle standard closure 3 mm double-ward key | Bottom plate | | | Enclosed, foamed gasket, can be unscrewed for F3A- \ldots flanges or for assembly by user |
| Information about equipment supplied Information about equipment | Mounting plate, material | | | Sheet steel, hot-galvanized |
| Including M6 threaded welded studs for earth conductor connections in the doorIncluding M6 threaded welded studs for earth conductor connections in the doorIncluding M6 threaded welded studs for earth conductor connections in the doorIncluding M6 threaded welded studs for earth conductor connections in the doorIncluding M6 threaded welded studs for earth conductor connections in the doorIncluding M6 threaded welded studs for earth conductor connections in the doorIncluding M6 threaded welded studs for earth conductor connections in the doorIncluding M6 threaded welded studs for earth conductor connections in the doorIncluding M6 threaded welded studs for earth conductor connections in the doorIncluding M6 threaded welded studs for earth conductor connections in the doorIncluding M6 threaded welded studs for earth conductor connections in the doorIncluding M6 threaded welded studs for earth conductor connections in the doorIncluding M6 threaded welded studs for earth conductor connections in the doorIncluding M6 threaded welded studs for earth conductor connections in the doorIncluding M6 threaded welded studs for earth conductorIncluding M6 threaded welded studs for | Door, Engineering | | | Including M6 threaded welded studs for earth conductor connections in the door: |
| Protective ground contactor connection must be established with a protective ground cable. The threaded welded studs on the door and on the cabinet side wal must be used as connecting points for the ground leads.Door hingesOn the right, can be converted by userType DoorDoor hinges right can be converted by userdoor opening angleIOO°Door interlockIOO°Door inter | Information about equipment supplied | | | |
| Type Door Door hinges right can be converted by user door opening angle 120° Door interlock Image: Converted by user | | | | protective ground contactor connection must be established with a protective ground cable. The threaded welded studs on the door and on the cabinet side wall |
| door opening angle 120° Door interlock Protection insulated turn-buckle Standard closure 3 mm double-ward key | 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 1 | Door interlock | | | |
| | Locks | Number | | 1 |

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 | 25 |
| Starting enclosure for wall mounting | P _V | C0 | 24 |
| Middle enclosure for wall mounting | P _V | C0 | 22 |
| 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 | 51 |
| Starting enclosure for wall mounting | P _V | C0 | 47 |
| Middle enclosure for wall mounting | P _V | C0 | 43 |
| 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 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 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