



Wall enclosure, +mounting plate, HxWxD=1000x600x300mm

Part no. CS-106/300  
Article no. 111713

## Delivery program

|                                      |                  |    |                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------------------|------------------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product range                        |                  |    | Wall-mounting housing CS                                                                                                                                                                                                                                                                                                                                                    |
| Product function                     |                  |    | Wall-mounting housing with mounting plate                                                                                                                                                                                                                                                                                                                                   |
| Degree of Protection                 |                  |    | IP66<br>IP23 (with ventilating plates)                                                                                                                                                                                                                                                                                                                                      |
| Description                          |                  |    | Foamed polyurethane sealing throughout.<br>Impact resistance category IK09 to EN 62262.<br>Sheet steel mounting plate<br>Bottom plate with foamed gasket.<br>Single door, door stop on the right, door opening angle 120°<br>Door hinge pins with quick change technology.<br>Standardized locking system with sash fastener.<br>Powder coating RAL 7035 inside and outside |
| Material                             |                  |    | Steel plate                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Dimensions</b>                    |                  |    |                                                                                                                                                                                                                                                                                                                                                                             |
| Width                                |                  | mm | 600                                                                                                                                                                                                                                                                                                                                                                         |
| Height                               |                  | mm | 1000                                                                                                                                                                                                                                                                                                                                                                        |
| Depth                                |                  | mm | 300                                                                                                                                                                                                                                                                                                                                                                         |
| Locks                                | Number           |    | 1 (3-point)                                                                                                                                                                                                                                                                                                                                                                 |
| Hinges                               | Number           |    | 3                                                                                                                                                                                                                                                                                                                                                                           |
| Door profile molding                 | Number           |    | 2                                                                                                                                                                                                                                                                                                                                                                           |
| Flange plates                        | Width x Depth mm |    | 172 x 532                                                                                                                                                                                                                                                                                                                                                                   |
| Max. F3A flanges                     | Number           |    | 2                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Mounting plates</b>               |                  |    |                                                                                                                                                                                                                                                                                                                                                                             |
| Height                               |                  | mm | 970                                                                                                                                                                                                                                                                                                                                                                         |
| Width                                |                  | mm | 550                                                                                                                                                                                                                                                                                                                                                                         |
| Weight                               |                  | kg | 45.4                                                                                                                                                                                                                                                                                                                                                                        |
| Information about equipment supplied |                  |    | Lock, 3 mm double ward key<br>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) |       |    | 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<br>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.<br>Example: max. ambient temperature 35°C; Overtemperature $\Delta T = 20$ K; Relative humidity = 75%. |
| Max. heat dissipation                                                                 |       |    |                                                                                                                                                                                                                        |
| Individual enclosure for wall mounting                                                | $P_V$ | W  | 99                                                                                                                                                                                                                     |
| Starting enclosure for wall mounting                                                  | $P_V$ | W  | 91                                                                                                                                                                                                                     |
| Middle enclosure for wall mounting                                                    | $P_V$ | W  | 84                                                                                                                                                                                                                     |

### Material characteristics

|                   |  |  |                                                      |
|-------------------|--|--|------------------------------------------------------|
| Material          |  |  | Steel plate                                          |
| Surface treatment |  |  | Structured powder spray polyester based paint finish |

|                    |  |    |                       |
|--------------------|--|----|-----------------------|
| Surface finish     |  |    | Semi-textured         |
| Colour             |  |    | light gray (RAL 7035) |
| Finish             |  |    | Gloss                 |
| Material thickness |  | mm |                       |
| Body               |  | mm | 1.5                   |
| Mounting plate     |  | mm | 3                     |
| Door               |  | mm | 2                     |
| Bottom plate       |  | mm | 1.5                   |

## Material properties

|                                      |  |    |                                                                                                                                                                     |
|--------------------------------------|--|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mechanical                           |  |    |                                                                                                                                                                     |
| Impact resistance                    |  |    | IK09 according to EN 62262                                                                                                                                          |
| max. assembly weights                |  |    |                                                                                                                                                                     |
| Total of Weight of fitted components |  | kg | 390                                                                                                                                                                 |
| Mounting plate                       |  | kg | 350                                                                                                                                                                 |
| Door                                 |  | kg | 40                                                                                                                                                                  |
|                                      |  |    | 500 kg payload, when brackets fitted in all four enclosure corners (vertically or horizontally) and the weights are symmetrically distributed within the enclosure. |

## Description/standard features

|                                      |        |  |                                                                                                                                                                                                                                                                                                              |
|--------------------------------------|--------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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<br>Including M6 threaded welded studs for earth conductor connections in the door                                                                                                                                                                                                 |
|                                      |        |  | <b>If electrical apparatus is to be installed in 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 wall must be used as connecting points for the ground leads.</b> |
| Door hinges                          |        |  | On the right, can be converted by user                                                                                                                                                                                                                                                                       |
| Type Door                            |        |  | Door hinges right<br>can be converted by user                                                                                                                                                                                                                                                                |
| door opening angle                   |        |  | 120°                                                                                                                                                                                                                                                                                                         |
| Door interlock                       |        |  | Protection insulated turn-buckle<br>Standard closure 3 mm double-ward key                                                                                                                                                                                                                                    |
| Locks                                | Number |  | 1 (3-point)                                                                                                                                                                                                                                                                                                  |

## 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                                                                                 | P <sub>V</sub> | CO | 74                                         |
| Starting enclosure for wall mounting                                                                                   | P <sub>V</sub> | CO | 70                                         |
| Middle enclosure for wall mounting                                                                                     | P <sub>V</sub> | CO | 68                                         |
| Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees, calculated as per IEC 60890                  |                |    |                                            |
| Individual enclosure for wall mounting                                                                                 | P <sub>V</sub> | CO | 148                                        |
| Starting enclosure for wall mounting                                                                                   | P <sub>V</sub> | CO | 141                                        |
| Middle enclosure for wall mounting                                                                                     | P <sub>V</sub> | CO | 136                                        |
| 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 <sub>i</sub> = 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 |
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## Additional product information (links)

|                                                                                |                                                                                                                                                                                                                                       |  |
|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>AWA4300-2521 CS wall-mounted sheet steel enclosures with mounting plate</b> |                                                                                                                                                                                                                                       |  |
| AWA4300-2521 CS wall-mounted sheet steel enclosures with mounting plate        | <a href="ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/25210414.pdf">ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/25210414.pdf</a>                                                                                     |  |
| Declaration of conformity                                                      | <a href="http://intranet.moeller.net/technik_daten/file/produkt_deklarationen/file/konformitaeten/00002/00002259.pdf">http://intranet.moeller.net/technik_daten/file/produkt_deklarationen/file/konformitaeten/00002/00002259.pdf</a> |  |