# DATASHEET - CS-66/300

**Wall enclosure with mounting plate, HxWxD=600x600x300mm**

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|---|---|
| **Part no.** | **CS-66/300** |
| **Catalog No.** | **111700** |
| **EL-Nummer (Norway)** | **2466124** |

## 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 |
| **Dimensions** | | | |
| Width | | mm | 600 |
| Height | | mm | 600 |
| Depth | | mm | 300 |
| Locks | Number | | 2 |
| Hinges | Number | | 2 |
| Door profile molding | Number | | 2 |
| Flange plates | Width x Depth | mm | 172 x 532 |
| Max. F3A flanges | Number | | 2 |
| **Mounting plates** | | | |
| Height | | mm | 570 |
| Width | | mm | 550 |
| Weight | | kg | 24.5 |
| 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 62208 |
| RoHS | | | in accordance with Directive 2015/863/EU 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 | -25 - +40 |
| Degree of Protection | | | IP66<br>IP23 (with ventilating plates) |
| Installation conditions | | | Indoor 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 ΔT = 20 K; Relative humidity = 75%. |
| Max. heat dissipation | | | |
| Individual enclosure for wall mounting | $P_V$ | W | 65 |
| Starting enclosure for wall mounting | $P_V$ | W | 61 |
| Middle enclosure for wall mounting | $P_V$ | W | 57 |

### 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 | 2 |
| Door | | mm | 1.5 |
| Bottom plate | | mm | 2 |

## Material properties

| | | | |
|---|---|---|---|
| Mechanical | | | |
| Impact resistance | | | IK09 according to EN 62262 |
| max. assembly weights | | | |
| Total of Weight of fitted components | | kg | 275 |
| Mounting plate | | kg | 250 |
| Door | | kg | 25 |
| | | | 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 |
| | | | **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.** |
| Door hinges | | | On the right, can be converted by user |
| Type Door | | | closed |
| door opening angle | | | 120° |
| Door interlock | | | Standard closure 3 mm double-ward key |
| Locks | Number | | 2 |

# Design verification as per IEC/EN 61439

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|---|---|---|---|
| Technical data for design verification | | | |
| Heat dissipation, at an ambient temperature of 35°C, delta T: 20 degrees in top of the enclosure, calculated as per IEC 60890 | | | |
| Individual enclosure for wall mounting | $P_V$ | W | 65 |
| Starting enclosure for wall mounting | $P_V$ | W | 61 |
| Middle enclosure for wall mounting | $P_V$ | W | 57 |
| Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees in top of the enclosure, calculated as per IEC 60890 | | | |
| Individual enclosure for wall mounting | $P_V$ | W | 131 |
| Starting enclosure for wall mounting | $P_V$ | W | 123 |
| Middle enclosure for wall mounting | $P_V$ | W | 115 |
| 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. |

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| 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 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. |

## Technical data ETIM 8.0

| | | | |
|---|---|---|---|
| Cabinet enclosures (EG000011) / Enclosure/cabinet (empty) (EC000261) | | | |
| Electric engineering, automation, process control engineering / Electrical cabinet, housing, rack / Electrical cabinet (empty) / Electrical cabinet (ecl@ss10.0.1-27-18-01-01 [AGZ056016]) | | | |
| Width | | mm | 600 |
| Height | | mm | 600 |
| Depth | | mm | 300 |
| Material | | | Steel |
| Material quality | | | Other |
| Surface finishing | | | Powder coating |
| Colour | | | Grey |
| RAL-number | | | 7035 |
| Detached | | | No |
| Floor standing wall model | | | Yes |
| Suitable for wall mounting | | | Yes |
| Corner model | | | No |
| Intermediate mounting | | | Yes |
| Connectable | | | No |
| With mounting plate | | | Yes |
| Mounting plate depth-adjustable | | | No |
| Suitable for wall built-in | | | Yes |
| Pole fastening | | | Yes |
| Number of doors | | | 1 |
| Number of locks | | | 2 |
| Suitable for metrical mounting | | | Yes |
| Suitable for outdoor set-up | | | No |
| Pitched roof | | | No |
| EMC-version | | | No |
| With glazed door | | | No |
| With ventilation door | | | No |
| With backside door | | | 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 | 65 |
| Max. permissible load of the enclosure according to IEC 62208 | | N | 2750 |
| 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 | 2500 |