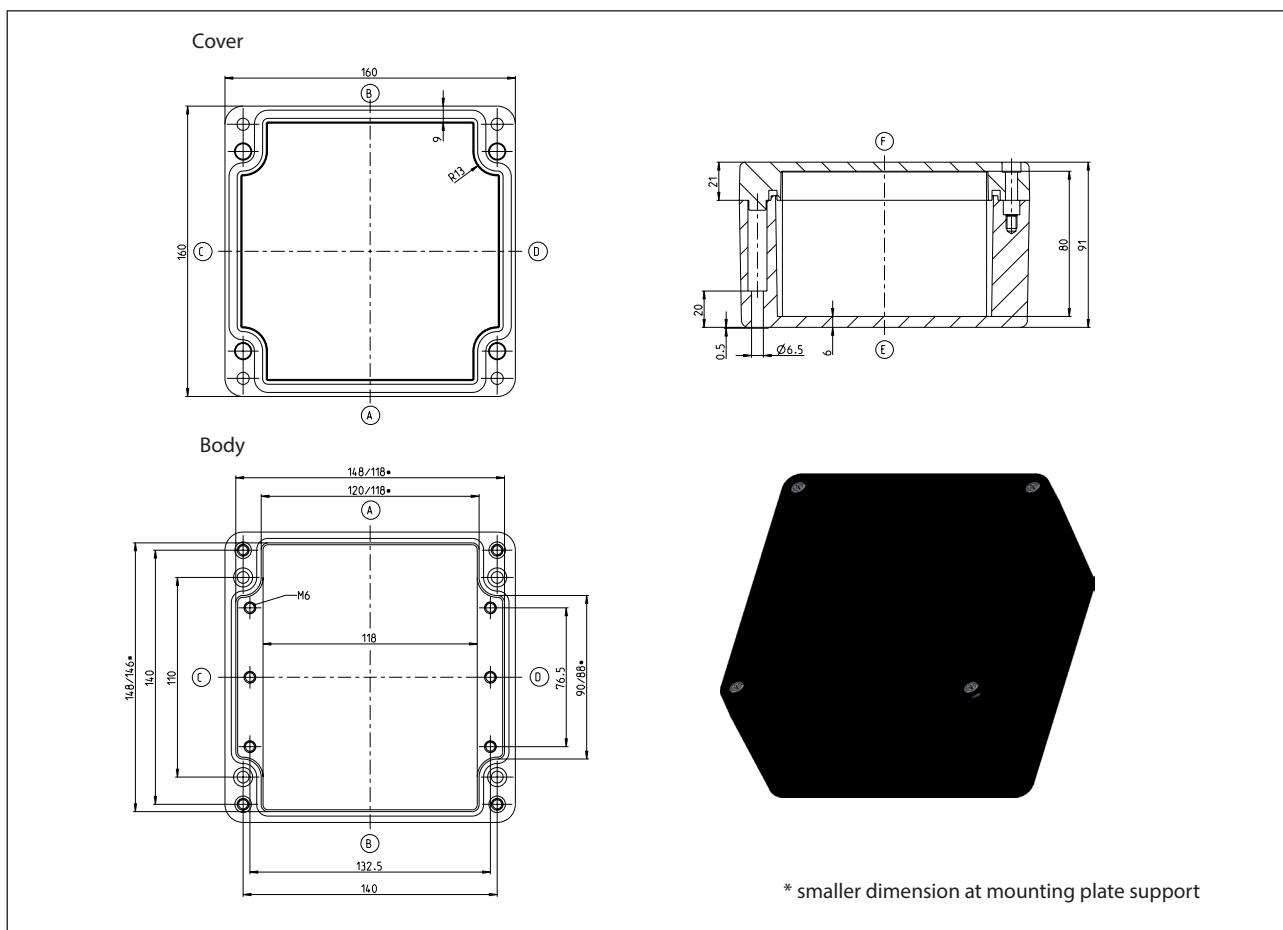


Standard enclosure

Series CPS

Designation CPS-280

Article number 5280000000



Standard version

Scope of supply:

Base of enclosure

Enclosure cover

Cover screws (cross recessed head) enclosed loosely

Colour RAL 9005 (jet black)

Cover gasket PUR (polyurethane)

Individually packaged in foil

Maximum possible number of thread (figures for identical diameter, not mixed!)

| ISO M | M12 | M16 | M20 | M25 | M32 | M40 | M50 | M63 |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|
| Page A/B | 18 | 8 | 6 | 4 | 2 | 2 | 1 | 0 |
| Page C/D | 9 | 4 | 3 | 2 | 2 | 1 | 0 | 0 |

Property chart CPS-280

| Specification | Value | According to the standard | Remark |
|---|-----------------------|---------------------------|--|
| General data: | | | |
| Weight | 1130 g | | |
| External dimensions | 160 x 160 x 91 | | |
| Protection classes | | | |
| IP-code | IP 66 | EN 60529 | |
| IP-code | IP67 | EN 60529 | |
| IK- code | IK08 | IEC 62262 | |
| Material | | | |
| Enclosure | Polyester SMC 2600 | | jet black |
| Screws | A2-70 | DIN EN ISO 3506-1 | Cover screws |
| Spring washer | 1.4310 | DIN EN 10088-3 | |
| Insert nuts | 1.4305 CuZn39Pb3-M | DIN EN 10088-3 | |
| Gasket | PUR (Polyurethan) | | Colour: dark grey, 2-component polyurethane foam seal |
| Toxic behaviour | halogen-free | | |
| Thermal properties: | | | |
| Fire behaviour | | | |
| Flammability | V-0 | UL 94 | Contentwise alike with EC60695-11-10 and IEC60695-11-20 |
| Glow wire test | 960 °C ; 3,2mm | IEC 60695-2-12 | |
| Glow wire test | | | |
| Glow wire test | | | |
| Temperature range | | | |
| Enclosure complete | -40 °C bis +100 °C | | |
| Enclosure material | -60 °C bis +165 °C | | |
| PUR-seal | -40 °C bis +100 °C | | |
| Temperature index Enclosure material | | | |
| RTI (tensile strength) | 130 °C | UL 746 B | |
| RTI (impact strength) | 130 °C | UL 746 B | |
| RTI (dielectric strength) | 105 °C | UL 746 B | |
| Ambient temperature according to DIN EN 62208 | | | |
| Indoor application | -5 °C bis +40 °C | DIN EN 62208 | On the average over 24h +35°C |
| Relative humidity according to DIN EN 62208 | | | |
| Indoor application | max. 50% bei +40 °C | DIN EN 62208 | with low temperatures also higher (for ex. 90% at +20°C) |
| Storage temperature | -20 °C bis +60 °C | | |
| Enclosure-specific thermal conductivity value | 2,06 K/W | | taking account of effective dissipation loss |

| Property chart CPS-280 | | | |
|------------------------------------|----------------------|----------------------------------|---|
| Specification | Value | According to the standard | Remark |
| Mechanical properties: | | | |
| Torques | | | |
| Cover screws | 2,0 Nm | | |
| Attachment of accessories | 2,0 Nm | | for ex. mounting plates, mounting rails |
| Other mounting | 2,0 Nm | | Screw channel, External mounting brackets |
| Maximum installation weight | 1,6 kg | | |
| Electrical characteristics: | | | |
| Rated voltage | max. 500 V | | Maximum length of the extension arm |
| Surface resistivity | <10 ⁹ Ohm | IEC 60093 | |
| dielectric strength | > 2 kV/cm | | |
| More details: | | | |
| General tolerance | mH | ISO 2768 | |
| Product standard | Yes | DIN EN 62208 | Empty enclosures for low-voltage switchgear assemblies |
| Approvals | | | |
| c UL us | No | UL508A / C22,2 | Type 1, 4, 4x |
| Compliances | | | |
| RoHs | Yes | Directive 2011/65/EU | |
| CE label | Yes | EC-No 765/2008 | |
| Low-Voltage-Directive No.: | 2014/35/EU | | |