

Connector PowerTOP Xtra R

Part number: 14666



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Product Description

- screw connection technology ErgoCONTACT
- economic enclosure design with nubbed grip areas
- enclosure with thread lock and safety slide
- rubberised bayonet ring
- highly heat resistant contact carrier, nickel plated contacts
- X-CONTACT
- sealed against dust, temporary submersion and high pressure cleaning
- protection against kinking
- strain relief
- rubberised cable gland with sealing
- area for self-adhesive labels

Technical Details

| | |
|---|---|
| Connector PowerTOP Xtra R | 14666 |
| Product serie | PowerTOP Xtra R |
| Ampere | 16A |
| Number of poles | 3p |
| Clock position | 3h |
| Nominal voltage DC | 50 - 250V |
| Protection type IP | IP69, IP67 |
| Contact carrier | highly heat resistant contact carrier, nickel plated contacts |
| X-CONTACT | yes |
| Connection | screw terminals - ErgoCONTACT |
| Contact screw drive | PZ2, slot |
| Tightening torque connection terminal | 1.2 Nm |
| Recommended wire end treatment for supply cable connection terminal | ferrule square gasproof crimped |
| Strip length jacket | 55 mm |
| Strip length conductor PH + N | 10 mm |
| Strip length conductor PE | 10 mm |
| Pilot contact | without pilot contact |
| Conductor cross-section min. | 1 mm ² |
| Conductor cross-section max. | 2.5 mm ² |

| | |
|-----------------------------|----------------------------|
| Connector PowerTOP Xtra R | 14666 |
| Cable kink protection | integrated in cable gland |
| Protective grommet | without protective grommet |
| Weight (net) | 240 g |
| Packaging unit | 10 pcs |
| EAN / identification number | 4015394306177 |

Permissible ambient conditions

| | Min. | Max. |
|-------------------------------|--------|-------|
| Permanent ambient temperature | -25 °C | 40 °C |

Material properties

| | |
|--------------|---|
| Cover | PA6 squirrel grey [similar RAL 7000] |
| Front part | PA6 light grey [similar RAL 7035] |
| | TPE black [similar RAL 9005] |
| Hinged lid | PA6 light grey [similar RAL 7035] |
| | TPE black [similar RAL 9005] |
| | PBT/PC squirrel grey [similar RAL 7000] |
| | TPE anthracite [similar RAL 7016] |
| Clamp basket | PA6 natural colour [no RAL colour code] |
| | TPE squirrel grey [similar RAL 7000] |
| Fastening | PA6 squirrel grey [similar RAL 7000] |
| | TPE anthracite [similar RAL 7016] |

Material resistance

The material resistance overview can be found on the website in the section “Knowledge” - “Product knowledge” - “Materials”.

Material and environmental properties

| | |
|-----------------------------------|---|
| RoHS 2011/65/EU incl. 2015/863/EU | ✓ |
|-----------------------------------|---|

Material and environmental properties

POP regulation (EU) 2019/1021

✓

Regulations and Standards

Norm

DIN EN IEC 60309-2

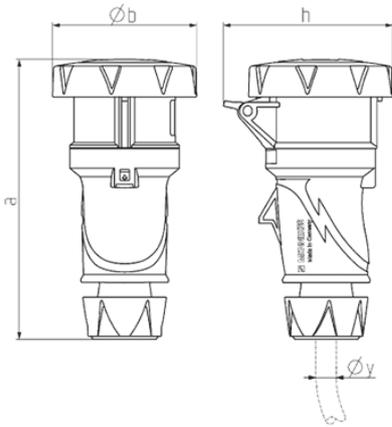
Declaration of Conformity

CE

Test label

CB Zertifikat, VDE

Dimensional Drawing



| Drawing 3 MB 82 | Amp. Poles | 16 | | | 32 | | |
|--------------------------------------|---------------|------|-------|-------|------|------|------|
| | | 3 | 4 | 5 | 3 | 4 | 5 |
| Dim. in mm | a | 167 | 177 | 179 | 213 | 213 | 214 |
| | b | 73 | 82 | 89 | 97 | 97 | 103 |
| | h | 89 | 99 | 105 | 109 | 109 | 115 |
| y min. from | | 7 | 8 | 8 | 10.5 | 10.5 | 13.5 |
| to max. mm | | -13 | -15.5 | -15.5 | -18 | -18 | -20 |
| Terminal for cond. cross | | 1 | 1 | 1 | 2.5 | 2.5 | 2.5 |
| section (mm ²) min.-max. | | -2.5 | -2.5 | -2.5 | -6 | -6 | -6 |