

# Connector PowerTOP Xtra R

Part number: 14680



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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                                           | 14680                                                         |
|---------------------------------------------------------------------|---------------------------------------------------------------|
| Product serie                                                       | PowerTOP Xtra R                                               |
| Ampere                                                              | 32A                                                           |
| Number of poles                                                     | 4p                                                            |
| Clock position                                                      | 11h                                                           |
| Nominal voltage AC                                                  | 440 - 460V                                                    |
| Nominal frequency                                                   | 60 Hz                                                         |
| 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                               | 1.8 Nm                                                        |
| Recommended wire end treatment for supply cable connection terminal | ferrule square gasproof crimped                               |
| Strip length jacket                                                 | 68 mm                                                         |
| Strip length conductor PH + N                                       | 12 - 15 mm                                                    |
| Strip length conductor PE                                           | 12 - 15 mm                                                    |
| Pilot contact                                                       | without pilot contact                                         |
| Conductor cross-section min.                                        | 2.5 mm <sup>2</sup>                                           |

|                              |                            |
|------------------------------|----------------------------|
| Connector PowerTOP Xtra R    | 14680                      |
| Conductor cross-section max. | 6 mm <sup>2</sup>          |
| Cable kink protection        | integrated in cable gland  |
| Protective grommet           | without protective grommet |
| Weight (net)                 | 460 g                      |
| Packaging unit               | 10 pcs                     |
| EAN / identification number  | 4015394308638              |

#### Permissible ambient conditions

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

#### Material properties

|              |                                         |
|--------------|-----------------------------------------|
| Cover        | PA6 squirrel grey [similar RAL 7000]    |
| Front part   | PA6 red [similar RAL 3013]              |
|              | TPE black [similar RAL 9005]            |
| Hinged lid   | PA6 red [similar RAL 3013]              |
|              | 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 natural colour [no RAL colour code] |
| 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 enviromental properties

POP regulation (EU) 2019/1021

✓

#### Regulations and Standards

Norm

DIN EN IEC 60309-2

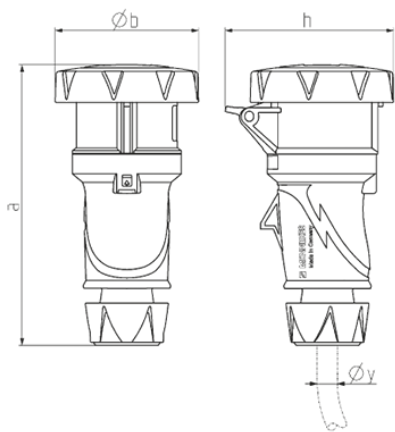
Declaration of Conformity

CE

Test label

VDE

# Dimensional Drawing



| Drawing<br>3 MB 82                   | Amp.<br>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 <sup>2</sup> ) min.-max. |               | -2.5 | -2.5  | -2.5  | -6   | -6   | -6   |