

# Connector PowerTOP Xtra R

Part number: 14639



**MENNEKES**  
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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   | 14639   |
| Product serie   | PowerTOP Xtra R   |
| Ampere  | 16A   |
| Number of poles   | 4p  |
| Clock position  | 10h   |
| Nominal voltage AC  | 50 - 500V   |
| Nominal frequency   | 100 - 300 Hz  |
| Protection type IP  | IP67, IP69  |
| 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 <sup>2</sup>   |

|                              |                            |
|------------------------------|----------------------------|
| Connector PowerTOP Xtra R    | 14639                      |
| Conductor cross-section max. | 2.5 mm <sup>2</sup>        |
| Cable kink protection        | integrated in cable gland  |
| Protective grommet           | without protective grommet |
| Weight (net)                 | 290 g                      |
| Packaging unit               | 10 pcs                     |
| Quantity per pallet          | 660 pcs                    |
| EAN / identification number  | 4015394308829              |

**Permissible ambient conditions**

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

**Material properties**

|              |   |
|--------------|---|
| Cover        | PA6 squirrel grey [similar RAL 7000]    |
| Front part   | PA6 green [similar RAL 6010]            |
|              | TPE black [similar RAL 9005]            |
| Hinged lid   | PA6 green [similar RAL 6010]            |
|              | 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 enviromental properties

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