

# Connector PowerTOP Xtra R

Part number: 14609



**MENNEKES**  
Elektrotechnik GmbH & Co. KG

Aloys-Mennekes-Straße 1  
57399 Kirchhundem  
GERMANY

[www.MENNEKES.org](http://www.MENNEKES.org)

# Product Description

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

# Technical Details

| Connector PowerTOP Xtra R                                           | 14609                                                         |
|---------------------------------------------------------------------|---------------------------------------------------------------|
| Product serie                                                       | PowerTOP Xtra R                                               |
| Ampere                                                              | 32A                                                           |
| Number of poles                                                     | 5p                                                            |
| Clock position                                                      | 1h                                                            |
| Nominal voltage AC                                                  | 50 - 500V                                                     |
| Protection type IP                                                  | IP54                                                          |
| 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>                                           |
| Conductor cross-section max.                                        | 6 mm <sup>2</sup>                                             |
| Cable kink protection                                               | integrated in cable gland                                     |

|                             |                            |
|-----------------------------|----------------------------|
| Connector PowerTOP Xtra R   | 14609                      |
| Protective grommet          | without protective grommet |
| Weight (net)                | 445 g                      |
| Packaging unit              | 10 pcs                     |
| Quantity per pallet         | 540 pcs                    |
| EAN / identification number | 4015394296690              |

#### 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]                                                  |
| Hinged lid   | PC light grey [similar RAL 7035]                                                   |
| Clamp basket | PA6 natural colour [no RAL colour code]<br>TPE natural colour [no RAL colour code] |
| Fastening    | PA6 squirrel grey [similar RAL 7000]<br>TPE anthracite [similar RAL 7016]          |

#### Material resistance

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

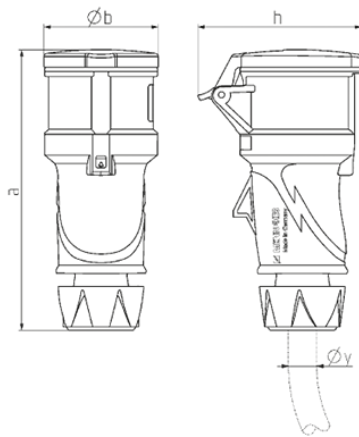
#### Material and enviromental properties

|                                   |   |
|-----------------------------------|---|
| 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                | CB Zertifikat, VDE, EAC |

# Dimensional Drawing



| Drawing<br>3 MB 79                   | Amp.<br>Poles | 16   |       |       | 32   |      |      |
|--------------------------------------|---------------|------|-------|-------|------|------|------|
|                                      |               | 3    | 4     | 5     | 3    | 4    | 5    |
| Dim. in mm                           | a             | 165  | 177   | 174   | 211  | 211  | 209  |
|                                      | b             | 55   | 68    | 69    | 78   | 78   | 80   |
|                                      | h             | 72   | 93    | 98    | 100  | 100  | 108  |
| 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   |