

# Connector PowerTOP Xtra R

Part number: 14658



**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   | 14658   |
| Product serie   | PowerTOP Xtra R   |
| Ampere  | 32A   |
| Number of poles   | 5p  |
| Clock position  | 4h  |
| Nominal voltage AC  | 110V  |
| Nominal frequency   | 50 - 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    | 14658                      |
| Conductor cross-section max. | 6 mm <sup>2</sup>          |
| Cable kink protection        | integrated in cable gland  |
| Protective grommet           | without protective grommet |
| Weight (net)                 | 510 g                      |
| Packaging unit               | 10 pcs                     |
| Quantity per pallet          | 1120 pcs                   |
| EAN / identification number  | 4015394306061              |

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

| Material properties |   |
|---------------------|---|
| Cover               | PA6 squirrel grey [similar RAL 7000]    |
| Front part          | PA6 yellow [similar RAL 1021]           |
|                     | TPE black [similar RAL 9005]            |
| Hinged lid          | PA6 yellow [similar RAL 1021]           |
|                     | 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

✓

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