

# Connector PowerTOP Xtra

Part number: 14623



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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
- 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                                             | 14623                           |
|---------------------------------------------------------------------|---------------------------------|
| Product serie                                                       | PowerTOP Xtra                   |
| Ampere                                                              | 16A                             |
| Number of poles                                                     | 4p                              |
| Clock position                                                      | 7h                              |
| Nominal voltage AC                                                  | 500V                            |
| Nominal frequency                                                   | 50 - 60 Hz                      |
| Protection type IP                                                  | IP69, IP67                      |
| Contact carrier                                                     | standard                        |
| 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>               |
| Conductor cross-section max.                                        | 2.5 mm <sup>2</sup>             |

|                             |                            |
|-----------------------------|----------------------------|
| Connector PowerTOP Xtra     | 14623                      |
| 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 | 4015394308898              |

#### Permissible ambient conditions

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

#### Material properties

|              |                                                                                                                                              |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Cover        | PA6 squirrel grey [similar RAL 7000]                                                                                                         |
| Front part   | PA6 black [similar RAL 9005]<br>TPE black [similar RAL 9005]                                                                                 |
| Hinged lid   | PA6 black [similar RAL 9005]<br>TPE black [similar RAL 9005]<br>PBT/PC squirrel grey [similar RAL 7000]<br>TPE anthracite [similar RAL 7016] |
| Clamp basket | PA6 natural colour [no RAL colour code]<br>TPE squirrel grey [similar RAL 7000]                                                              |
| 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 environmental properties

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

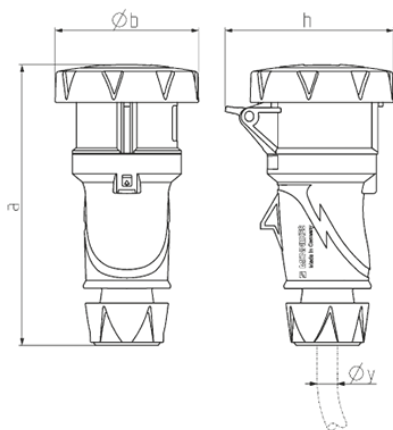
Material and enviromental properties

|                               |   |
|-------------------------------|---|
| 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 (mm²) min.-max.  |               | −2.5 | −2.5  | −2.5  | −6   | −6   | −6   |