

# Plug PowerTOP Xtra R

Part number: 13666



**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
- rubberised bayonet ring
- highly heat resistant contact carrier, nickel plated contacts
- 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

| Plug PowerTOP Xtra R                                                | 13666                                                         |
|---------------------------------------------------------------------|---------------------------------------------------------------|
| Product serie                                                       | PowerTOP Xtra R                                               |
| Ampere                                                              | 16A                                                           |
| Number of poles                                                     | 3p                                                            |
| Clock position                                                      | 3h                                                            |
| Nominal voltage DC                                                  | 50 - 250V                                                     |
| Protection type IP                                                  | IP67, IP69                                                    |
| Contact carrier                                                     | highly heat resistant contact carrier, nickel plated contacts |
| Connection                                                          | screw terminals - ErgoCONTACT                                 |
| Contact screw drive                                                 | PZ2, slot                                                     |
| Tightening torque connection terminal                               | 0.9 Nm                                                        |
| Recommended wire end treatment for supply cable connection terminal | ferrule square gasproof crimped                               |
| Strip length jacket                                                 | 55 mm                                                         |
| Strip length conductor                                              | 10 mm                                                         |
| Phase inverter                                                      | without phase inverter                                        |
| Pilot contact                                                       | without pilot contact                                         |
| Conductor cross-section min.                                        | 1 mm <sup>2</sup>                                             |
| Conductor cross-section max.                                        | 2.5 mm <sup>2</sup>                                           |
| Cable kink protection                                               | integrated in cable gland                                     |
| Protective grommet                                                  | without protective grommet                                    |
| Protective cap                                                      | without protective cap                                        |
| Military version                                                    | no                                                            |

|                             |               |
|-----------------------------|---------------|
| Plug PowerTOP Xtra R        | 13666         |
| Weight (net)                | 200 g         |
| Packaging unit              | 10 pcs        |
| Quantity per pallet         | 1120 pcs      |
| EAN / identification number | 4015394306153 |

#### Permissible ambient conditions

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

#### Material properties

|              |                                         |
|--------------|-----------------------------------------|
| Cover        | PA6 squirrel grey [similar RAL 7000]    |
| Front part   | PA6 light grey [similar RAL 7035]       |
|              | TPE black [similar RAL 9005]            |
| Bayonet ring | 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 environmental properties

|                                   |     |
|-----------------------------------|-----|
| RoHS 2011/65/EU incl. 2015/863/EU | ✓   |
| POP regulation (EU) 2019/1021     | ✓   |
| Halogen-free                      | yes |

Regulations and Standards

Norm

DIN EN IEC 60309-2

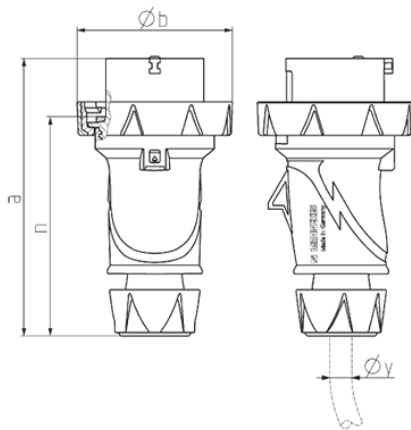
Declaration of Conformity

CE

Test label

CB Zertifikat, VDE

# Dimensional Drawing



| Drawing<br>2 MB 256                  | Amp.<br>Poles | 16   |       |       | 32   |      |      |
|--------------------------------------|---------------|------|-------|-------|------|------|------|
|                                      |               | 3    | 4     | 5     | 3    | 4    | 5    |
| Dim. in mm                           | a             | 154  | 163   | 163   | 196  | 196  | 196  |
|                                      | b             | 73   | 81    | 89    | 95   | 95   | 102  |
|                                      | n             | 121  | 129   | 129   | 154  | 154  | 154  |
| 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   |