

# Connector PowerTOP Plus

Part number: 3409



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## Product Description

- screw connection technology ErgoCONTACT
- enclosure with thread lock and safety slide
- X-CONTACT
- protection against kinking
- strain relief
- cable gland and sealing
- area for self-adhesive labels

## Technical Details

| Connector PowerTOP Plus                                             | 3409                            |
|---------------------------------------------------------------------|---------------------------------|
| Product serie                                                       | PowerTOP Plus                   |
| Ampere                                                              | 16A                             |
| Number of poles                                                     | 5p                              |
| Clock position                                                      | 6h                              |
| Nominal voltage AC                                                  | 400V                            |
| Nominal frequency                                                   | 50 - 60 Hz                      |
| Protection type IP                                                  | IP44                            |
| 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                                                 | 50 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>             |
| Cable kink protection                                               | integrated in cable gland       |
| Protective grommet                                                  | without protective grommet      |

|                             |               |
|-----------------------------|---------------|
| Connector PowerTOP Plus     | 3409          |
| Weight (net)                | 255 g         |
| Packaging unit              | 10 pcs        |
| Quantity per pallet         | 880 pcs       |
| EAN / identification number | 4015394296461 |

#### Permissible ambient conditions

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

#### Material properties

|              |                                                                                 |
|--------------|---------------------------------------------------------------------------------|
| Cover        | PA6 squirrel grey [similar RAL 7000]                                            |
| Front part   | PA6 red [similar RAL 3013]                                                      |
| Hinged lid   | PC red [similar RAL 3013]                                                       |
| Clamp basket | PA6 natural colour [no RAL colour code]<br>TPE squirrel grey [similar RAL 7000] |
| Fastening    | PA6 squirrel grey [similar RAL 7000]                                            |

#### Material resistance

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

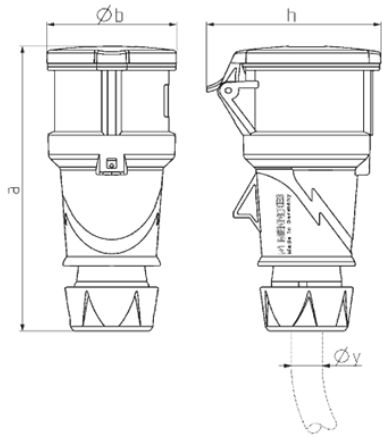
#### Material and environmental properties

|                                   |   |
|-----------------------------------|---|
| 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, CQC |

# Dimensional Drawing



| Drawing<br>3 MB 80                   | Amp.<br>Poles | 16   |       |       | 32   |      |      |
|--------------------------------------|---------------|------|-------|-------|------|------|------|
|                                      |               | 3    | 4     | 5     | 3    | 4    | 5    |
| Dim. in mm                           | a             | 155  | 167   | 164   | 202  | 202  | 200  |
|                                      | b             | 55   | 68    | 69    | 78   | 78   | 80   |
|                                      | h             | 72   | 92    | 98    | 100  | 100  | 107  |
| 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   |