

# Plug

Part number: 643A



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# Product Description

- screw connection technology
- protection against kinking
- strain relief

# Technical Details

| Plug                                                                | 643A                            |
|---------------------------------------------------------------------|---------------------------------|
| Ampere                                                              | 32A                             |
| Number of poles                                                     | 2p                              |
| Clock position                                                      | 12h                             |
| Nominal voltage AC                                                  | 40 - 50V                        |
| Nominal frequency                                                   | 50 - 60 Hz                      |
| Protection type IP                                                  | IP44                            |
| Contact carrier                                                     | standard                        |
| Connection                                                          | screw terminals                 |
| Contact screw drive                                                 | PZ2, slot                       |
| Recommended wire end treatment for supply cable connection terminal | ferrule square gasproof crimped |
| Phase inverter                                                      | without phase inverter          |
| Pilot contact                                                       | without pilot contact           |
| Conductor cross-section min.                                        | 4 mm <sup>2</sup>               |
| Conductor cross-section max.                                        | 10 mm <sup>2</sup>              |
| Cable kink protection                                               | with cable kink protection      |
| Protective grommet                                                  | without protective grommet      |
| Protective cap                                                      | without protective cap          |
| Weight (net)                                                        | 141 g                           |
| Packaging unit                                                      | 10 pcs                          |
| Quantity per pallet                                                 | 1520 pcs                        |
| EAN / identification number                                         | 4015394004899                   |

#### Permissible ambient conditions

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

#### Material properties

|            |                                      |
|------------|--------------------------------------|
| Front part | PA6 light grey [similar RAL 7035]    |
| Housing    | PC/PET light grey [similar RAL 7035] |

#### Material resistance

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

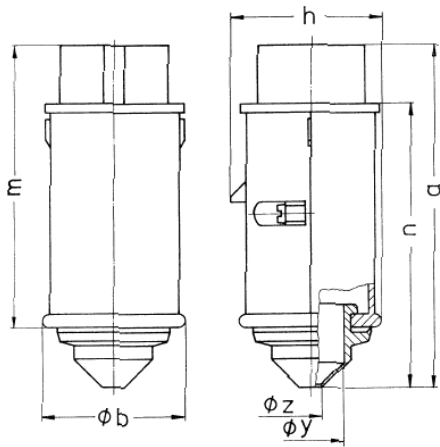
#### Material and enviromental properties

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

# Dimensional Drawing



| Drawing                  | Amp.<br>Poles | 16  |     | 32  |     |
|--------------------------|---------------|-----|-----|-----|-----|
|                          |               | 2   | 3   | 2   | 3   |
| 2 MB 159                 |               |     |     |     |     |
| Dim. in mm               | a             | 130 | 130 | 130 | 130 |
|                          | b             | 55  | 55  | 55  | 55  |
|                          | h             | 58  | 58  | 58  | 58  |
|                          | m             | 108 | 108 | 108 | 108 |
|                          | n             | 107 | 107 | 107 | 107 |
|                          | y             | 25  | 25  | 25  | 25  |
|                          | z             | 9   | 9   | 9   | 9   |
| Terminal for cond. cross |               | 4   | 4   | 4   | 4   |
| section (mm²) min.-max.  |               | —10 | —10 | —10 | —10 |