

Connector AM-TOP

Part number: 746



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Product Description

- screw connection technology
- single part body
- highly heat resistant contact carrier, nickel plated contacts
- protection against kinking
- strain relief
- cable gland and sealing

Technical Details

| Connector AM-TOP | 746 |
|---|---|
| Product serie | AM-TOP |
| Ampere | 16A |
| Number of poles | 7p |
| Clock position | 6h |
| Nominal voltage AC | 400V |
| Nominal frequency | 50 - 60 Hz |
| Protection type IP | IP44 |
| Contact carrier | highly heat resistant contact carrier, nickel plated contacts |
| X-CONTACT | no |
| Connection | screw terminals |
| Contact screw drive | PZ2, slot |
| Tightening torque connection terminal for cable cross-section 1,0 - 1,5 mm ² | 0.6 Nm |
| Tightening torque connection terminal for cable cross-section 2,5 - 4,0 mm ² | 0.8 Nm |
| Recommended wire end treatment for supply cable connection terminal | ferrule square gasproof crimped |
| Strip length jacket | 40 mm |
| Strip length conductor PH + N | 8 - 10 mm |
| Strip length conductor PE | 12 - 17 mm |
| Pilot contact | without pilot contact |
| Conductor cross-section min. | 1 mm ² |
| Conductor cross-section max. | 2.5 mm ² |

| | |
|-----------------------------|----------------------------|
| Connector AM-TOP | 746 |
| Cable kink protection | integrated in cable gland |
| Protective grommet | without protective grommet |
| Weight (net) | 241 g |
| Packaging unit | 10 pcs |
| EAN / identification number | 4015394005735 |

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

| | |
|----------------------------|---|
| Material properties | |
| Housing | PA6 red [similar RAL 3013] |
| Hinged lid | PC red [similar RAL 3013] |
| Clamp basket | PA6 natural colour [no RAL colour code] |
| | TPE squirrel grey [similar RAL 7000] |
| Fastening | PA6 squirrel grey [similar RAL 7000] |

Material resistance

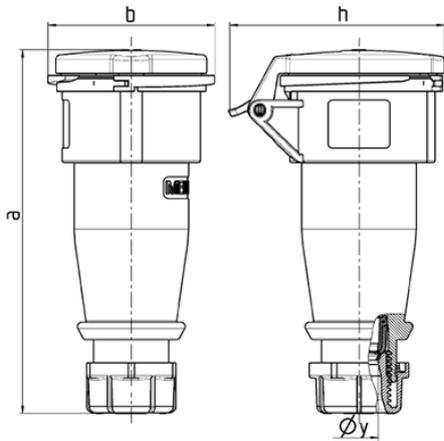
The material resistance overview can be found on the website in the section “Knowledge” - “Product knowledge” - “Materials”.

| | |
|---|---|
| Material and 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 3 MB 63 | Amp. Poles | 16 | 32 |
|--------------------------------------|---------------|------|-----|
| | | 7 | 7 |
| Dim. in mm | a | 167 | 208 |
| | b | 76 | 89 |
| | h | 98 | 108 |
| | y | 16 | 22 |
| Terminal for cond. cross | | 1 | 2.5 |
| section (mm ²) min.-max. | | —2.5 | —6 |