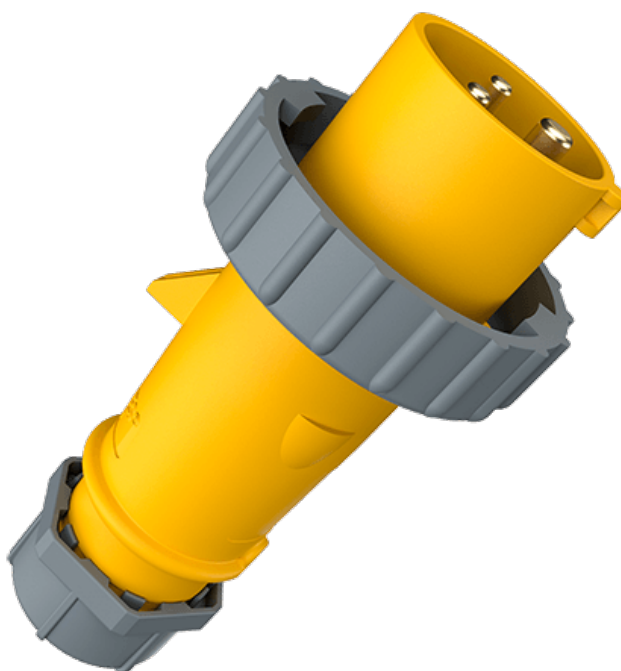


# Plug AM-TOP

Part number: 277



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# Product Description

- screw connection technology
- single part body
- protection against kinking
- strain relief
- cable gland and sealing

# Technical Details

| Plug AM-TOP                                                                             | 277                             |
|-----------------------------------------------------------------------------------------|---------------------------------|
| Product serie                                                                           | AM-TOP                          |
| Ampere                                                                                  | 16A                             |
| Number of poles                                                                         | 3p                              |
| Clock position                                                                          | 4h                              |
| Nominal voltage AC                                                                      | 110V                            |
| Nominal frequency                                                                       | 50 - 60 Hz                      |
| Protection type IP                                                                      | IP67                            |
| Contact carrier                                                                         | standard                        |
| Connection                                                                              | screw terminals                 |
| Contact screw drive                                                                     | PZ2, slot                       |
| Tightening torque connection terminal for cable cross-section 1,0 - 1,5 mm <sup>2</sup> | 0.6 Nm                          |
| Tightening torque connection terminal for cable cross-section 2,5 - 4,0 mm <sup>2</sup> | 0.8 Nm                          |
| Recommended wire end treatment for supply cable connection terminal                     | ferrule square gasproof crimped |
| Strip length jacket                                                                     | 40 mm                           |
| Strip length conductor                                                                  | 8 - 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          |
| Weight (net)                                                                            | 156 g                           |

|                             |               |
|-----------------------------|---------------|
| Plug AM-TOP                 | 277           |
| Packaging unit              | 10 pcs        |
| EAN / identification number | 4015394001898 |

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

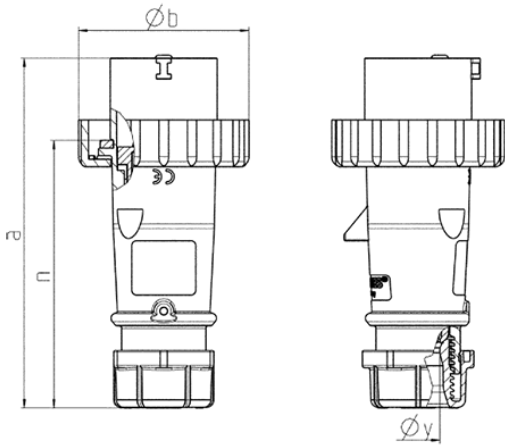
| Material properties |                                         |
|---------------------|-----------------------------------------|
| Housing             | PA6 yellow [similar RAL 1021]           |
| Bayonet ring        | PC/PET squirrel grey [similar RAL 7000] |
| Clamp basket        | PA6 natural colour [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                | VDE, EAC, CQC      |

# Dimensional Drawing



| Drawing<br>2 MB 218      | Amp.<br>Poles | 16   |      |      | 32  |     |     |
|--------------------------|---------------|------|------|------|-----|-----|-----|
|                          |               | 3    | 4    | 5    | 3   | 4   | 5   |
| Dim. in mm               | a             | 142  | 144  | 147  | 186 | 186 | 180 |
|                          | b             | 70   | 78   | 87   | 94  | 94  | 101 |
|                          | n             | 109  | 111  | 114  | 145 | 145 | 138 |
|                          | y             | 14.5 | 16   | 16   | 22  | 22  | 22  |
| 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  |