

MSUD valve plug BI-11mm with cable

PUR 3x0.75 ye UL/CSA+robot+drag ch. 5m

MSUD

Form BI (11 mm)

0...230 V AC/DC

without components

PE at cable entry (0°)

Further cable lengths on request.

Plastic housings with good resistance against chemicals and oils.

The resistance to aggressive media should be individually tested for your application. Further details on request.

[Link to Product](#)**Illustration**

Height: 30 mm

Product may differ from Image



* only for products with UL/CSA approved cable

Form

Form 11061

Technical Data

Operating voltage max. 250 V AC/DC

Rated surge voltage 4.0 kV

| | |
|-------------------------------|--|
| Operating current per contact | max. 10 A |
| Locking of ports | M3 (recommended torque 0.4 Nm) |
| Protection | IP67 inserted and tightened (EN 60529) |
| Housing | Black plastic (gray on request) |

General data

| | |
|-------------------|--|
| Temperature range | -25...+85 °C, depending on cable quality |
|-------------------|--|

Cables

| | |
|------------------------------------|---|
| No./diameter of wires | 3× 0.75 mm ² |
| Wire isolation | PP (bk num, gnye) |
| C-track properties | 10 Mio. |
| Outer Ø | 5.2 mm ±5% |
| Cable identification | 056 |
| Cable Type | 5 (PUR schweißfunkenbeständig) |
| Approval (cable) | cURus (AWM-Style 20549/10493); CE conform |
| Cable weight [g/m] | 48,4 g |
| Material (wire) | Cu wire, bare |
| Resistor (core) | max. 26 Ω/km (20 °C) |
| Single wire Ø (core) | 0.15 mm |
| Construction (core) | 42× 0.15 mm (multi-strand wire class 6) |
| Diameter (core) | 3× 0.75 mm ² |
| AWG | similar to AWG 18 |
| Material (wire isolation) | PP |
| Material property (wire isolation) | CFC-, halogen-, cadmium-, silicone- and lead-free |
| Shore hardness (wire isolation) | 74 ±3 D |
| Wire-Ø incl. isolation | 1.7 mm ±5% |
| Color/numbering of wires | bk numbered, gnye longitudinally striped |
| Stranding combination | 3 wires twisted |
| Shield | no |
| Material (jacket) | PUR |
| Material property (jacket) | CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis-, microbial- and welding spark resistant |
| Shore hardness (jacket) | 58 ±3 D |
| Outer-Ø (jacket) | 5.2 mm ±5% |
| Color (jacket) | yellow |
| Cable labeling | see frame delivery specifications 7000-00000-001 |
| Jacket Color | yellow |
| chemical resistance | good resistance to oil, gasoline and chemicals (EN 60811-404) |
| thermal resistance | flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant |
| Nominal voltage | 300 V AC |
| Test voltage | 2500 V AC |
| Current load capacity | to DIN VDE 0298-4 |
| Temperature range (fixed) | -40...+80 °C |
| Temperature range (fixed) | -40...+80 °C, (+90 °C at max. 10 000 operating hours) |
| Temperature range (mobile) | -25...+80 °C |
| Temperature range (mobile) | -25...+80 °C, (+90 °C at max. 10 000 operating hours) |
| Bend radius (fixed) | 5× outer Ø |
| Bend radius (moving) | 10× outer Ø |
| Bend radius (moving) | 10× outer Ø |
| No. of bending cycles (C-track) | max. 10 Mio. (25 °C) |
| Travel speed (C-track) | max. 3.3 m/s |
| Acceleration (C-track) | max. 5 m/s ² |
| Torsion stress | ±360°/m |
| No. of torsion cycles | max. 1 Mio. (25 °C) |
| Torsion speed | 35 cycles/min |

The information in this brochure has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 03/22

Material (jacket) PUR (UL/CSA), welding spark

Commercial data

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|-----------------------|---------------|
| country of origin | CZ |
| customs tariff number | 85444290 |
| EAN | 4048879420181 |
| eClass | 27279218 |
| Packaging unit | 1.000 |