

**MSUD valve plug B-10mm with cable**

PUR 3x0.75 bk UL/CSA+robot+drag ch. 1.5m

MSUD

Form B (10 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**

Product may differ from Image

\* only for products with UL/CSA approved cable

**Form**

Form 10061

**Technical Data**

|                               |                  |
|-------------------------------|------------------|
| Operating voltage             | max. 230 V AC/DC |
| Operating current per contact | max. 10 A        |
| Rated surge voltage           | 4.0 kV           |

|                  |  |
|------------------|--|
| Material group   | IEC 60664-1, category I                |
| Locking of ports | M3 (recommended torque 0.4 Nm)         |
| Protection       | IP67 inserted and tightened (EN 60529) |
| Material         | PBT                                    |
| Housing          | Black plastic (gray on request)        |

**General data**

|                   |  |
|-------------------|--|
| Pollution Degree  | 3  |
| Temperature range | -25...+85 °C, depending on cable quality |

**Cables**

|                                    |   |
|------------------------------------|---|
| No./diameter of wires              | 3× 0.75 mm <sup>2</sup>   |
| Wire isolation                     | PP (bk num, gnye)   |
| C-track properties                 | 10 Mio.   |
| Material (jacket)                  | PUR (UL/CSA), welding spark   |
| Outer Ø                            | 5.2 mm ±5%  |
| Bend radius (moving)               | 10× outer Ø   |
| Temperature range (fixed)          | -40...+80 °C  |
| Temperature range (mobile)         | -25...+80 °C  |
| Cable identification               | 656   |
| Cable Type                         | 5 (PUR schweißfunkenbeständig)  |
| Approval (cable)                   | cURus (AWM-Style 20549/10493); CE conform   |
| Cable weight [g/m]                 | 48,40   |
| 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 <sup>2</sup>   |
| AWG                                | similar to AWG 18   |
| Material (wire isolation)          | PP  |
| Material property (wire isolation) | CFC-, halogen-, cadmium-, silicone- and lead-free   |
| Shore hardness (wire isolation)    | 58 ±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)                     | black   |
| 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, (+90 °C at max. 10 000 operating hours)   |
| 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   |
| No. of bending cycles (C-track)    | max. 10 Mio. (25 °C)  |
| Traversing distance (C-track)      | max. 5 m (horizontal)   |
| Travel speed (C-track)             | max. 3.3 m/s  |
| Acceleration (C-track)             | max. 5 m/s <sup>2</sup>   |
| Torsion stress                     | ±360°/m   |

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

|                       |                     |
|-----------------------|---------------------|
| No. of torsion cycles | max. 1 Mio. (25 °C) |
|-----------------------|---------------------|

|               |               |
|---------------|---------------|
| Torsion speed | 35 cycles/min |
|---------------|---------------|

|              |       |
|--------------|-------|
| Jacket Color | black |
|--------------|-------|

**Commercial data**

|                   |    |
|-------------------|----|
| country of origin | CZ |
|-------------------|----|

|                       |          |
|-----------------------|----------|
| customs tariff number | 85444290 |
|-----------------------|----------|

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|--------|----------|
| eClass | 27061801 |
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|----------------|---|
| Packaging unit | 1 |
|----------------|---|