

**MSUD valve plug A-18mm with cable**

PUR 4x0.75 bk UL/CSA+drag ch. 10m

MSUD

Form A (18 mm)

0...230 V AC/DC

without components

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

**Form**

Form 18111

**Technical Data**

|                               |                                |
|-------------------------------|--------------------------------|
| Operating voltage             | max. 230 V AC/DC               |
| Operating current per contact | max. 10 A                      |
| Locking of ports              | M3 (recommended torque 0.4 Nm) |

|            |   |
|------------|---|
| Housing    | Black plastic (gray on request)               |
| Protection | IP66K, IP67 inserted and tightened (EN 60529) |

#### General data

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

#### Cables

|                                    |  |
|------------------------------------|--|
| No./diameter of wires              | 4× 0.75 mm <sup>2</sup>  |
| Wire isolation                     | PP (bk num, gnye)  |
| C-track properties                 | 10 Mio.  |
| Jacket Color                       | black  |
| Material (jacket)                  | PUR (UL/CSA)   |
| Outer Ø                            | 6.5 mm ±5%   |
| Bend radius (moving)               | 10× outer Ø  |
| Temperature range (fixed)          | -40...+80 °C   |
| Temperature range (mobile)         | -25...+80 °C   |
| Cable identification               | 637  |
| Cable Type                         | 3 (PUR)  |
| Approval (cable)                   | cURus (AWM-Style 20549/10493); CE conform  |
| Cable weight [g/m]                 | 69,30  |
| 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)                    | 4× 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)    | 70 ±5 D  |
| Wire-Ø incl. isolation             | 1.85 mm ±5%  |
| Color/numbering of wires           | bk numbered, gnye longitudinally striped   |
| Stranding combination              | 4 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 and microbial resistant |
| Shore hardness (jacket)            | 90 ±5 A  |
| Outer-Ø (jacket)                   | 6.5 mm ±5%   |
| Color (jacket)                     | black  |
| chemical resistance                | good resistance to oil, gasoline and chemicals (EN 60811-404)  |
| thermal resistance                 | flame retardand UL 1581 Section 1090 (H), CSA FT2 / IEC 60332-2-2  |
| 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)   |
| Travel speed (C-track)             | max. 3 m/s   |
| Acceleration (C-track)             | max. 10 m/s <sup>2</sup>   |
| Torsion stress                     | ±180°/m  |
| No. of torsion cycles              | max. 2 Mio. (25 °C)  |
| Torsion speed                      | 35 cycles/min  |

#### Commercial data

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

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