

**M12 male 0° A-cod. / MSUD valve plug A-18mm**

PUR 5x0.34 gy UL/CSA 4.5m

**MSUD**

Form A (18 mm) – M12, male straight

24 V DC  $\pm 25\%$ 

LED (yellow/green)

for pressure switches

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**

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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|--|--|
| Form   | 40931  |
| <b>Technical Data</b>                                  |  |
| Operating voltage                                      | 24 V DC $\pm 25\%$   |
| Rated surge voltage                                    | 0.8 kV   |
| Operating current per contact                          | max. 4 A   |
| Current consumption                                    | max. 15 mA   |
| Material group   | IEC 60664-1, category I  |
| LED display  | (yellow/green)   |
| Locking of ports                                       | M3/M12 $\times$ 1 mm (recommended torque 0.4/0.6 Nm)   |
| Compression gland                                      | M12 (SW13)   |
| Protection   | IP67 inserted and tightened (EN 60529)   |
| Material   | MSUD (PBT); M12 (PUR)  |
| Locking material                                       | Zinc die casting, matte nickel plated  |
| suitable for corrugated tube (internal $\varnothing$ ) | 10 mm  |
| Housing  | Black plastic (gray on request)  |
| <b>General data</b>                                    |  |
| Material (gasket)                                      | PUR  |
| Pollution Degree                                       | 3  |
| Temperature range                                      | -25...+85 °C, depending on cable quality   |
| <b>Cables</b>  |  |
| Cable identification                                   | 225  |
| Cable Type   | 2 (PUR/PVC)  |
| Approval (cable)                                       | UL (AWM-Style 20549/1731), CSA; CE conform   |
| Cable weight [g/m]                                     | 54,78 g  |
| Material (wire)  | Cu wire, bare  |
| Resistor (core)  | max. 57 $\Omega$ /km (20 °C)   |
| Single wire $\varnothing$ (core)                       | 0.1 mm   |
| Construction (core)                                    | 42 $\times$ 0.1 mm (multi-strand wire class 6)   |
| Diameter (core)  | 5 $\times$ 0.34 mm <sup>2</sup>  |
| AWG  | similar to AWG 22  |
| Material (wire isolation)                              | PVC  |
| Material property (wire isolation)                     | CFC-, cadmium-, silicone- and lead-free  |
| Shore hardness (wire isolation)                        | 43 $\pm$ 5 D   |
| Wire- $\varnothing$ incl. isolation                    | 1.25 mm $\pm 5\%$  |
| Color/numbering of wires                               | br, bk, bl, wh, gnye longitudinally striped  |
| Stranding combination                                  | 5 wires twisted around central filler  |
| Shield   | no   |
| Material (jacket)                                      | PUR/PVC  |
| 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)                                | 80 $\pm$ 5 A (PVC-under jacket); 85 $\pm$ 5 A (PUR-jacket)   |
| Outer- $\varnothing$ (jacket)                          | 5.0 mm $\pm 5\%$   |
| Color (jacket)   | gray   |
| Cable labeling   | see frame delivery specifications 7000-00000-001   |
| chemical resistance                                    | good resistance to oil, gasoline and chemicals   |
| Nominal voltage  | UL 300 V AC  |
| Test voltage   | 2000 V AC  |
| Current load capacity                                  | to DIN VDE 0298-4  |
| Temperature range (fixed)                              | -30...+80 °C   |
| Temperature range (mobile)                             | -5...+80 °C  |
| Bend radius (fixed)                                    | 10 $\times$ outer $\varnothing$  |
| Bend radius (moving)                                   | 15 $\times$ outer $\varnothing$  |
| No. of bending cycles (C-track)                        | max. 2 Mio. (25 °C)  |

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|                        |              |
|------------------------|--------------|
| Travel speed (C-track) | max. 3.3 m/s |
|------------------------|--------------|

|                        |                         |
|------------------------|-------------------------|
| Acceleration (C-track) | max. 5 m/s <sup>2</sup> |
|------------------------|-------------------------|

**Commercial data**

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

|                       |          |
|-----------------------|----------|
| customs tariff number | 85444290 |
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| EAN | 4048879336901 |
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| eClass | 27279218 |
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| Packaging unit | 1.000 |
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