

**M12 MALE 0° / MSUD VALVE PLUG FORM A 18MM**

PUR 5X0.34 black UL/CSA, drag ch 0.3m

**MSUD**

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

Form A (18 mm) – M12, male straight

24 V DC  $\pm 25\%$ 

LED (yellow/green)

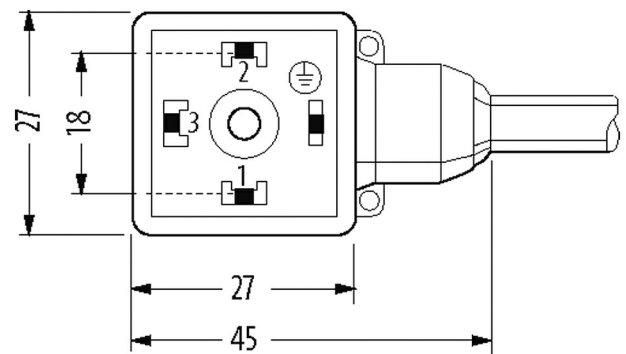
for pressure switches

Attention: Contact carrier turned to 180°!

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

Further cable lengths on request.

Plastic housings with good resistance against chemicals and oils.

**Illustration**

Height: 30 mm

Product may differ from Image

**Approvals****Form**

Form 40932

**Cables**

|                           |                           |
|---------------------------|---------------------------|
| No./diameter of wires     | 5 x 0.34 mm <sup>2</sup>  |
| Wire isolation            | PP (br, wh, bl, bk, gnye) |
| C-track properties        | 10 Mio.                   |
| Material (jacket)         | PUR (UL/CSA)              |
| Outer Ø                   | 4.8 mm $\pm 5\%$          |
| Bend radius (moving)      | 10 x outer Ø              |
| Temperature range (fixed) | -40...+80 °C              |

|                                    |  |
|------------------------------------|--|
| Temperature range (mobile)         | -25...+80 °C   |
| Cable identification               | 635  |
| Cable Type                         | 3 (PUR)  |
| Approval (cable)                   | cURus (AWM-Style 20549/10493); CE conform  |
| Cable weight [g/m]                 | 41,80  |
| Material (wire)                    | Cu wire, bare  |
| Resistor (core)                    | max. 57 Ω/km (20 °C)   |
| Single wire Ø (core)               | 0.1 mm   |
| Construction (core)                | 42× 0.1 mm (multi-strand wire class 6)   |
| Diameter (core)                    | 5× 0.34 mm <sup>2</sup>  |
| AWG                                | similar to AWG 22  |
| 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             | 1.25 mm ±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  |
| 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)                   | 4.8 mm ±5%   |
| Color (jacket)                     | black  |
| chemical resistance                | good resistance to oil, gasoline and chemicals (EN 60811-404)  |
| thermal resistance                 | flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, 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  |
| Jacket Color                       | black  |

#### Technical Data

|                               |   |
|-------------------------------|---|
| Operating voltage             | 24 V DC ±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                     |
| Coding                        | A-coded                                     |
| LED display                   | (yellow/green)                              |
| Locking of ports              | M3/M12×1 mm (recommended torque 0.4/0.6 Nm) |
| Compression gland             | M12 (SW13)                                  |
| Protection                    | IP67 inserted and tightened (EN 60529)      |

|   |                                       |
|---|---------------------------------------|
| Locking material                          | Zinc die casting, matte nickel plated |
| Material                                  | MSUD (PBT); M12 (PUR)                 |
| suitable for corrugated tube (internal Ø) | 10 mm                                 |
| Housing                                   | Black plastic (gray on request)       |

**General data**

|                   |  |
|-------------------|--|
| Pollution Degree  | 3  |
| Temperature range | -25...+85 °C, depending on cable quality |
| Material (gasket) | PUR                                      |

**Commercial data**

|                       |               |
|-----------------------|---------------|
| country of origin     | CZ            |
| customs tariff number | 85444290      |
| EAN                   | 4048879333634 |
| eClass                | 27279218      |
| Packaging unit        | 1             |