

**M8 male 90° A-cod. / MSUD valve plug C-8mm small**

PUR 3x0.34 bk UL/CSA+drag ch. 0.6m

MSUD

Form C (8 mm) – M8, male straight

Form C (8 mm)

4-pole

Male M8

90°

3-pole

24 V AC  $\pm 20\%$  / DC  $\pm 25\%$ 

Z-Diode + LED

Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request

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



Product may differ from Image

### Form

Form 88441

### Technical Data

|  |  |
|--|--|
| Operating voltage                                      | 24 V AC $\pm 20\%$ / DC $\pm 25\%$                     |
| Rated surge voltage                                    | 0.8 kV   |
| Operating current per contact                          | max. 4 A   |
| No. of poles   | MSUD (4); M8 (3)                                       |
| Current consumption                                    | 15 mA  |
| Material group   | IEC 60664-1, category I                                |
| Switch off peak  | max. 55 V  |
| LED display  | yellow   |
| Locking of ports                                       | M2.5/M8 (recommended torque 0.4 Nm)                    |
| Compression gland                                      | M8 (SW9)   |
| Protection   | IP65 and IP67 when plugged and screwed down (EN 60529) |
| Material   | MSUD (PBT); M8 (PUR)                                   |
| Locking material                                       | Zinc die casting, matte nickel plated                  |
| suitable for corrugated tube (internal $\varnothing$ ) | 6.5 mm   |
| Housing  | Black plastic (gray on request)                        |
| Additional suppressor                                  | Diode/Z-Diode  |

### General data

|                            |  |
|----------------------------|--|
| Standards                  | DIN EN 61076-2-104 (M8)                  |
| Mounting method            | inserted, tightened                      |
| Material (contact)         | Copper alloy                             |
| Material (contact surface) | MSUD (Ag); M8 (Au)                       |
| Material (gasket)          | PUR                                      |
| Pollution Degree           | 3  |
| Temperature range          | -25...+85 °C, depending on cable quality |

### Cables

|                                  |  |
|----------------------------------|--|
| Cable identification             | 633  |
| Cable Type                       | 3 (PUR)  |
| Approval (cable)                 | cURus (AWM-Style 20549/10493); CE conform      |
| Cable weight [g/m]               | 29,7 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)                  | 3 $\times$ 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   |
| 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 and microbial resistant |
| Shore hardness (jacket)            | 90 ±5 A  |
| Outer-Ø (jacket)                   | 4.1 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

|                       |               |
|-----------------------|---------------|
| country of origin     | CZ            |
| customs tariff number | 85444290      |
| EAN                   | 4048879119382 |
| eClass                | 27279218      |
| Packaging unit        | 1.000         |