

## Y-Distributor M12 / MSUD valve plug BI-11mm

PUR 3x0.75 bk UL/CSA 1m

Y connector

Plastic housings with good resistance against chemicals and oils.

Further cable lengths on request.

Male straight – male 90°

M12, 4-pole

A-coded

MSUD

Form BI (11 mm)

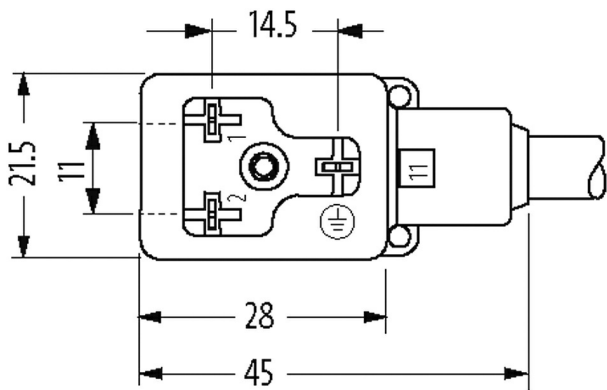
LED (yellow)

Diode/Z-Diode

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

### [Link to Product](#)

#### Illustration



Height: 30 mm





Product may differ from Image

**Form**

Form 42421

**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 (3); M12 (4)                                    |
| Current consumption                                    | 15 mA  |
| Material group   | IEC 60664-1, category I                              |
| Switch off peak  | max. 55 V  |
| Coding   | A-coded  |
| LED display  | yellow   |
| 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 $\varnothing$ ) | without  |
| Additional suppressor                                  | Diode/Z-Diode  |

**General data**

|                            |  |
|----------------------------|--|
| Standards                  | DIN EN 61076-2-101 (M12)                 |
| Mounting method            | inserted, tightened                      |
| Material (contact)         | Copper alloy                             |
| Material (contact surface) | MSUD (Ag); M12(Au)                       |
| Material (gasket)          | PUR                                      |
| Pollution Degree           | 3  |
| Temperature range          | -25...+85 °C, depending on cable quality |

**Cables**

|                            |                                 |
|----------------------------|---------------------------------|
| No./diameter of wires      | 3 $\times$ 0.75 mm <sup>2</sup> |
| Wire isolation             | PVC (bk num, gnye)              |
| C-track properties         | 2 Mio.                          |
| Material (jacket)          | PUR/PVC (UL/CSA)                |
| Outer $\varnothing$        | 5.9 mm $\pm 5\%$                |
| Bend radius (moving)       | 15 $\times$ outer $\varnothing$ |
| Temperature range (fixed)  | -30...+80 °C                    |
| Temperature range (mobile) | -5...+80 °C                     |

|                                     |  |
|-------------------------------------|--|
| Cable identification                | 626  |
| Cable Type                          | 2 (PUR/PVC)  |
| Approval (cable)                    | UL (AWM-Style 20549/1731), CSA; CE conform   |
| Cable weight [g/m]                  | 55,33  |
| Material (wire)                     | Cu wire, bare  |
| Resistor (core)                     | max. 26 $\Omega$ /km (20 °C)   |
| Single wire $\varnothing$ (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)           | PVC  |
| Material property (wire isolation)  | CFC-, cadmium-, silicone- and lead-free  |
| Shore hardness (wire isolation)     | 43 $\pm$ 5 D   |
| Wire- $\varnothing$ incl. isolation | 1.8 mm $\pm$ 5%  |
| Color/numbering of wires            | bk numbered, gnye longitudinally striped   |
| Stranding combination               | 3 wires twisted  |
| 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)       | 5.9 mm $\pm$ 5%  |
| Color (jacket)                      | black  |
| 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× outer $\varnothing$  |
| Bend radius (moving)                | 15× outer $\varnothing$  |
| No. of bending cycles (C-track)     | max. 2 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>  |
| Jacket Color                        | black  |

#### Commercial data

|                       |               |
|-----------------------|---------------|
| country of origin     | CZ            |
| customs tariff number | 85444290      |
| EAN                   | 4048879142861 |
| eClass                | 27143423      |
| Packaging unit        | 1             |