

**M8 male 0° A-cod. / MSUD valve plug A-18mm**

PUR 3x0.34 gy UL/CSA 1m

**⚠ NOTICE ⚠****PRODUCT IS DISCONTINUED. PLEASE HAVE A LOOK AT THE ALTERNATIVE PRODUCTS.**

MSUD

Further cable lengths on request.

Form A (18 mm)

4-pole

Male M8

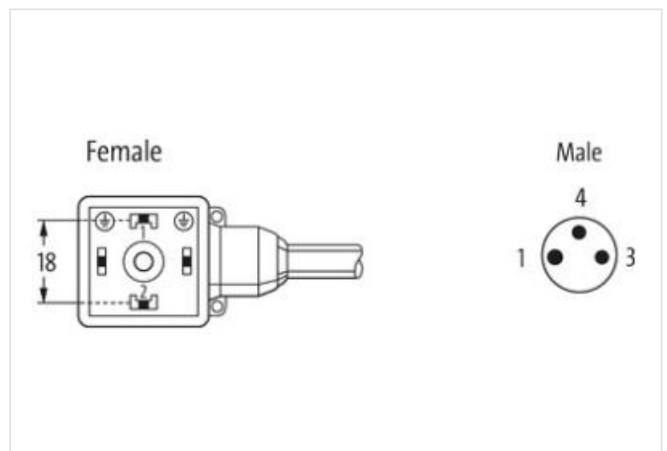
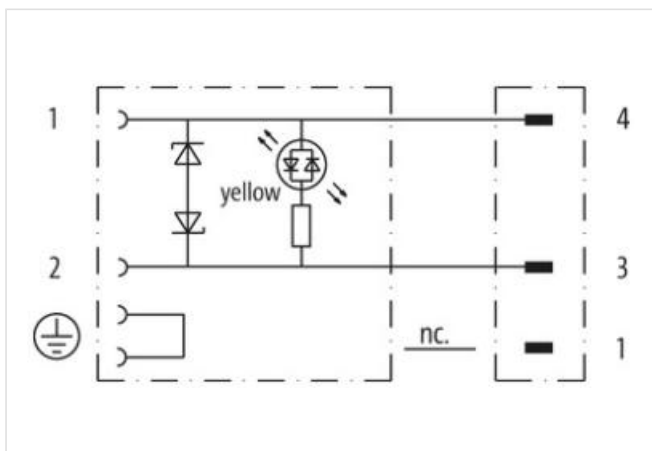
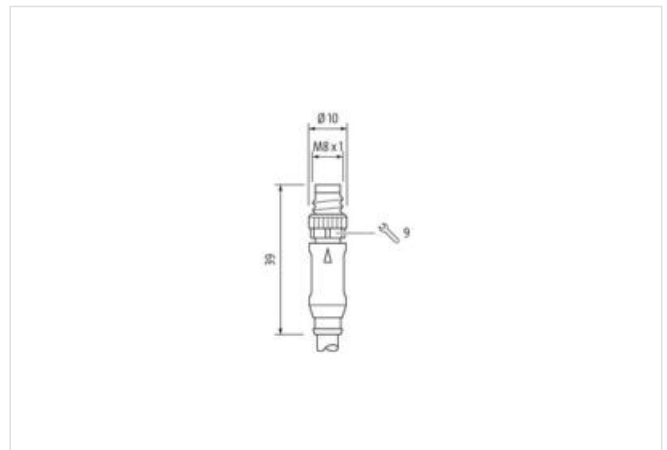
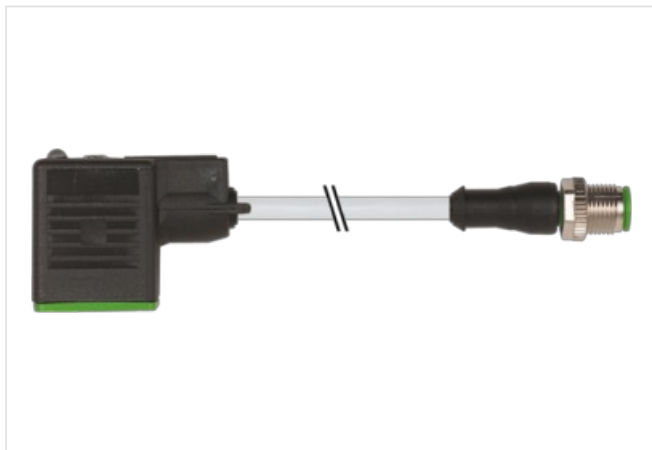
straight

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



|   |                   |
|---|-------------------|
| Cable length                              | 1 m               |
| Side 1                                    |                   |
| Tightening torque                         | 0,4 Nm            |
| Mounting method                           | inserted, screwed |
| Coating contact                           | silver-plated     |
| Family construction form                  | MSUD              |
| Thread                                    | M3                |
| suitable for corrugated tube (internal Ø) | 6,5 mm            |
| Material contact                          | Copper alloy      |
| Material                                  | PUR               |
| No. of poles                              | 4                 |
| Side 2                                    |                   |
| Tightening torque                         | 0,4 Nm            |
| Mounting method                           | inserted, screwed |
| Coating contact                           | gold plated       |
| Family construction form                  | M8                |
| Thread                                    | M8 x 1            |
| Material contact                          | Copper alloy      |
| Material                                  | PBT               |
| No. of poles                              | 3                 |
| Width across flats                        | SW9               |
| Commercial data                           |                   |
| ECLASS-6.0                                | 27279218          |
| ECLASS-6.1                                | 27279218          |
| ECLASS-7.0                                | 27279218          |
| ECLASS-8.0                                | 27279218          |
| ECLASS-9.0                                | 27060312          |
| ECLASS-10.1                               | 27060312          |
| ECLASS-11.1                               | 27060312          |
| ECLASS-12.0                               | 27060312          |
| ETIM-5.0                                  | EC001855          |
| customs tariff number                     | 85444290          |
| GTIN                                      | 4048879382618     |

Packaging unit 1

**Electrical data | Supply**

|                                    |        |
|------------------------------------|--------|
| Operating voltage AC               | 24 V   |
| Operating voltage AC min.          | 19,2 V |
| Operating voltage AC max.          | 28,8 V |
| Operating voltage DC               | 24 V   |
| Operating voltage DC min.          | 18 V   |
| Operating voltage DC max.          | 30 V   |
| Cut-off peak voltage max.          | 55 V   |
| Current operating per contact max. | 4 A    |
| Current consumption max.           | 15 mA  |

**Diagnostics**

Status indication LED yellow

**Device protection | Electrical**

|  |                   |
|--|-------------------|
| Degree of protection (EN IEC 60529)    | IP65, IP67        |
| Additional condition protection degree | inserted, screwed |
| Pollution Degree                       | 3                 |
| Rated surge voltage                    | 0,8 kV            |
| Material group (IEC 60664-1)           | I                 |
| Additional suppressor                  | Diode, Z-Diode    |

**Mechanical data | Material data**

|                  |                  |
|------------------|------------------|
| Coating locking  | Nickeled         |
| Color housing    | black            |
| Material gasket  | PUR              |
| Material housing | Plastic          |
| Locking material | Zinc die-casting |

**Mechanical data | Mounting data**

Mounting method inserted, screwed

**Environmental characteristics | Climatic**

|  |                            |
|--|----------------------------|
| Operating temperature min.             | -25 °C                     |
| Operating temperature max.             | 85 °C                      |
| Additional condition temperature range | depending on cable quality |

**Important installation notes**

|                        |   |
|------------------------|---|
| Note on strain relief  | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.   |
| Note on bending radius | <b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |

**Conformity**

Product standard DIN EN 61076-2-114 (M8)

**Cable**

|                                   |  |
|-----------------------------------|--|
| Cable identification              | 223  |
| Cable Type                        | 2 (PUR/PVC)                                |
| Approval (cable)                  | UL (AWM-Style 20549/1731), CSA; CE conform |
| Cable weight [g/m]                | 35,97 g                                    |
| 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)                   | 3× 0.34 mm²                                |
| AWG                               | similar to AWG 22                          |
| Material wire isolation           | PVC  |
| Material property wire insulation | CFC-, cadmium-, silicone- and lead-free    |

|                                 |  |
|---------------------------------|--|
| Shore hardness wire isolation   | 43 ±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/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 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)   |
| Outer-Ø (jacket)                | 4.3 mm ±5%   |
| Color jacket                    | gray   |
| 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  |
| Bending radius (fixed)          | 10× outer Ø  |
| Bending radius (dynamic)        | 15× outer Ø  |
| No. of bending cycles (C-track) | max. 2 Mio. (25 °C)  |
| Travel speed (C-track)          | max. 3.3 m/s   |
| Acceleration (C-track)          | max. 5 m/s²  |