

**M8 male 0° A-cod. / MSUD valve plug BI-11mm**

PUR 3x0.34 ye UL/CSA+drag ch. 2m

MSUD

Further cable lengths on request.

Form BI (11 mm)

3-pole

Male M8

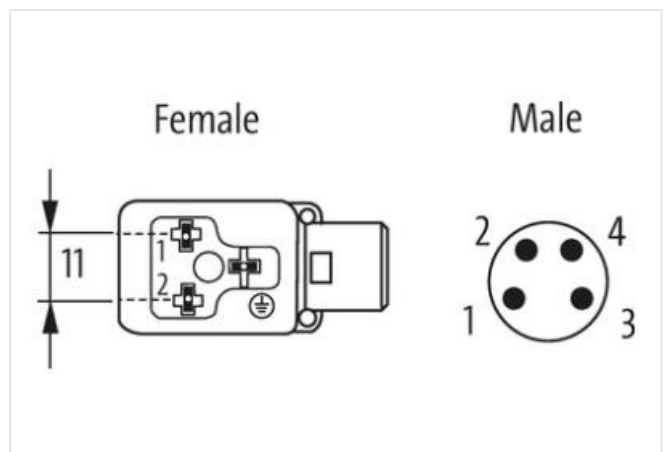
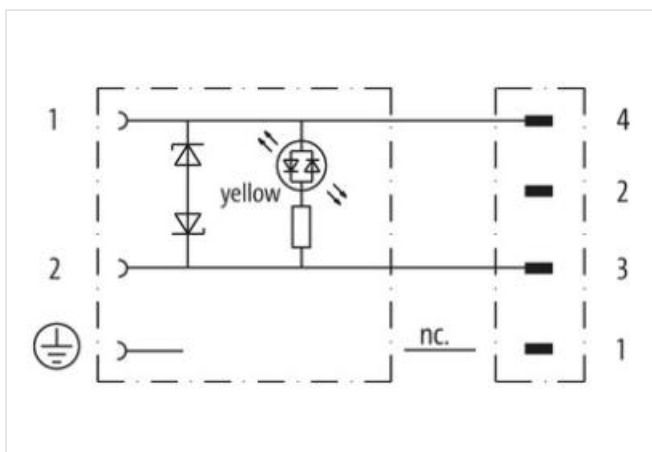
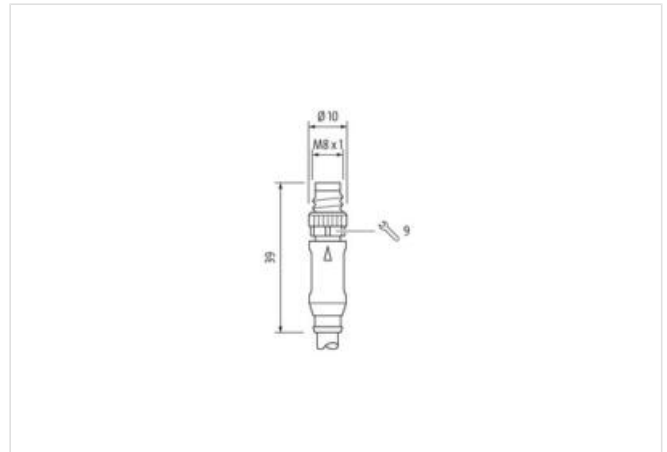
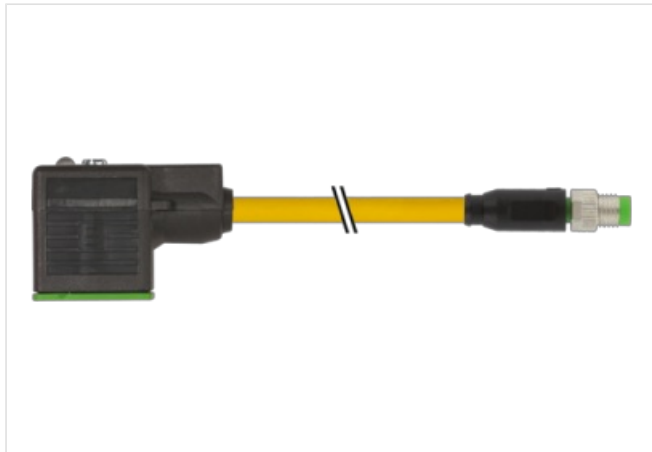
straight

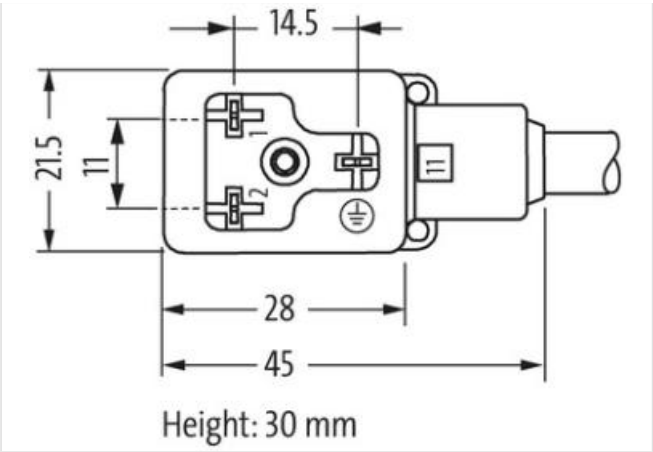
4-pole

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                              | 2 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                              | 3                 |
| 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                              | 4                 |
| Width across flats                        | SW9               |
| Commercial data                           |                   |
| ECLASS-6.0                                | 27279218          |
| ECLASS-7.0                                | 27279218          |
| ECLASS-8.0                                | 27279218          |
| ECLASS-9.0                                | 27060311          |
| ECLASS-10.1                               | 27060312          |
| ECLASS-11.1                               | 27060312          |
| ECLASS-12.0                               | 27060312          |
| ETIM-5.0                                  | EC001855          |
| customs tariff number                     | 85444290          |
| GTIN                                      | 4048879116541     |
| 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                          | Nickel                                                         |
| 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                                     |
| Conformity                               |                                                                |
| Product standard                         | DIN EN 61076-2-114 (M8)                                        |
| Installation   Cable                     |                                                                |
| Cable identification                     | 033                                                            |
| Cable Type                               | 3                                                              |
| Jacket Color                             | yellow                                                         |
| Type of Certificate                      | cURus                                                          |
| Amount stranding                         | 1                                                              |
| Stranding                                | 3 wires twisted                                                |
| wire arrangement                         | brown, black, blue                                             |
| No. of bending cycles (C-track)          | 10 Mio. @ 25 °C                                                |
| Cable weight                             | 29,7 g/m                                                       |
| Material jacket                          | PUR                                                            |
| Shore hardness jacket                    | 90 ± 5 Shore A                                                 |
| Freedom from ingredients (jacket)        | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Outer-diameter (jacket)                  | 4,1 mm                                                         |
| Tolerance outer diameter (sheath)        | ± 5 %                                                          |
| Material wire insulation                 | PP                                                             |
| Amount wires                             | 3                                                              |
| Outer diameter insulation                | 1,25 mm                                                        |

|                                                         |                                                                |
|---------------------------------------------------------|----------------------------------------------------------------|
| Outer diameter tolerance core insulation                | ± 5 %                                                          |
| Shore hardness wire insulation                          | 70 ± 5 Shore D                                                 |
| Ingredient freeness wire insulation                     | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Amount strands (wire)                                   | 42                                                             |
| Diameter of single wires                                | 0,1 mm                                                         |
| Conductor crosssection (wire)                           | 0,34 mm²                                                       |
| Material conductor wire                                 | Stranded copper wire, bare                                     |
| Conductor type (wire)                                   | strand class 6                                                 |
| Traversing distance (C-track)                           | 10 m @ 25 °C   horizontal                                      |
| Current load capacity (standard)                        | to DIN VDE 0298-4                                              |
| Current load capacity min. wire                         | 6 A                                                            |
| Electrical resistance line constant wire                | 57 Ω/km @ 20 °C                                                |
| Nominal voltage power AC max.                           | 300 V                                                          |
| Power frequency withstand voltage power (wire - jacket) | 2,5 kV @ 60 s                                                  |
| AC withstand voltage power (wire - wire)                | 2,5 kV @ 60 s                                                  |
| Min. operating temperature (static)                     | -40 °C                                                         |
| Max. operating temperature (fixed)                      | 80 °C / 90 °C @ 10000 h Operation                              |
| Operating temperature min. (dynamic)                    | -25 °C                                                         |
| Operating temperature max. (dynamic)                    | 80 °C / 90 °C @ 10000 h Operation                              |
| Flame resistance                                        | UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2            |
| chemical resistance                                     | Good, application-related testing                              |
| Gasoline resistance                                     | Good, application-related testing                              |
| Oil resistance                                          | Good, application-related testing   DIN EN 60811-404           |
| Bending radius (fixed)                                  | 5 x Outer diameter                                             |
| Bending radius (dynamic)                                | 10 x Outer diameter                                            |
| No. of torsion cycles                                   | 2 Mio.                                                         |
| Torsion speed                                           | 35 cycles/min                                                  |
| Torsion stress                                          | ± 180 °/m                                                      |