

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

PUR 3x0.34 gy UL/CSA 3m

**⚠ 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

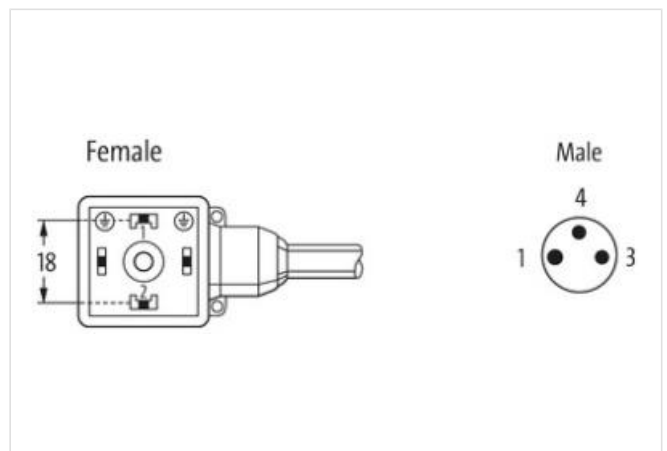
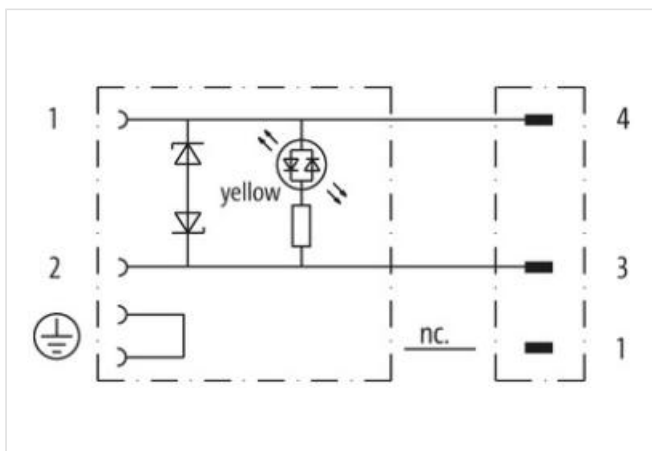
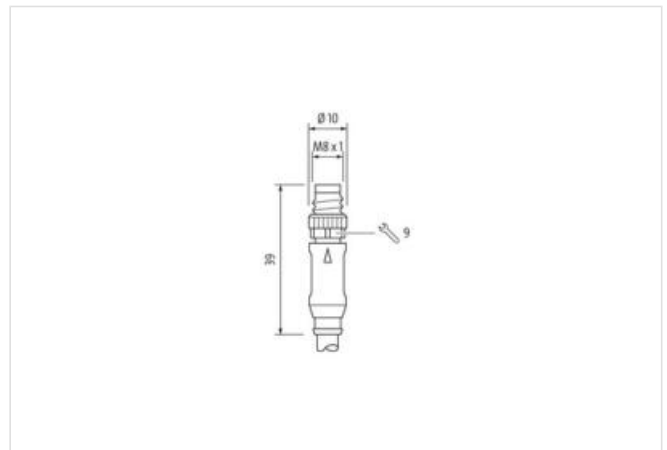
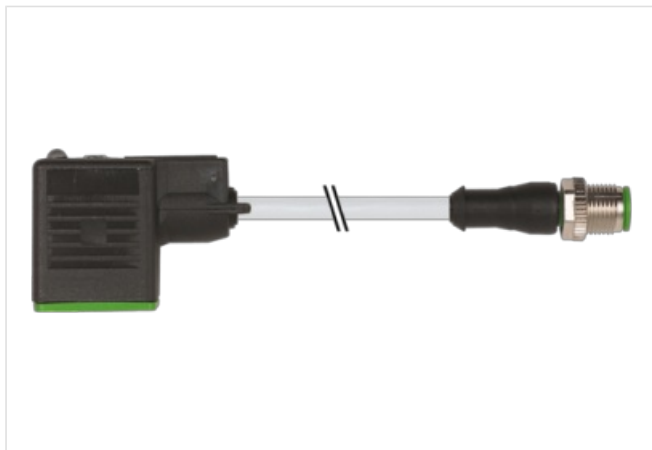
straight

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                              | 3 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                                      | 4048879691918     |

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                                                                                                                                            |