

**M8 male 0° A-cod. / MSUD valve plug CI-9.4mm small**

PUR 3x0.34 bk UL/CSA+drag ch. 1m

**MSUD**

Form CI (9.4 mm) – M12, male straight

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

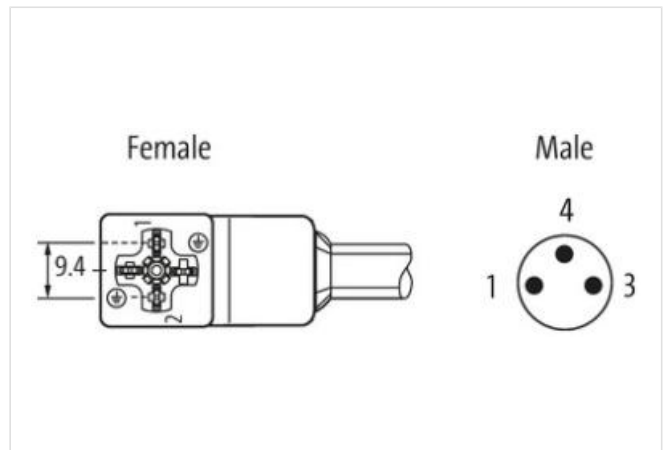
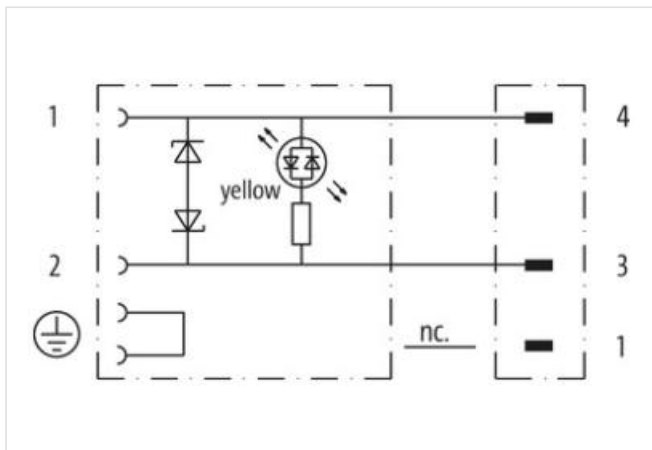
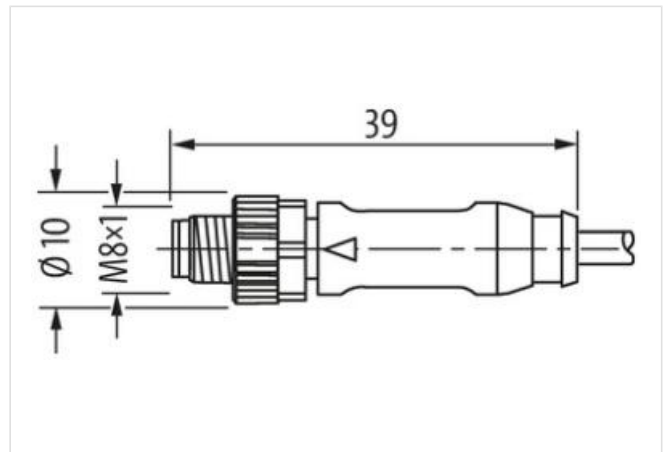
2-pole used

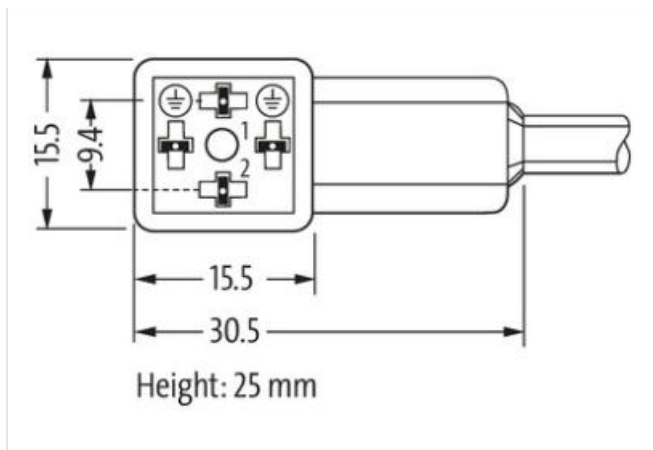
LED and suppression

Further cable lengths on request.

Plastic housings with good resistance against chemicals and oils.

The resistance to aggressive media should be individually tested for your application. Further details on request.

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



Product may differ from Image

**Form**

Form 88415

**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                                                  |
| Material group                | IEC 60664-1, category I                                   |
| Switch off peak               | max. 55 V                                                 |
| LED display                   | LED (yellow)                                              |
| Locking of ports              | M3/M8 (recommended torque 0.4 Nm)                         |
| Protection                    | IP65, IP66K, IP67, IP68 inserted and tightened (EN 60529) |
| Material                      | MSUD (PBT); M8 (PUR)                                      |
| Locking material              | Zinc die casting, matte nickel plated                     |
| Housing                       | Black plastic (gray on request)                           |
| Additional suppressor         | Diode/Z-Diode                                             |
| Compression gland             | M8 (SW9)                                                  |
| Switch off delay time         | max. 20 ms                                                |

**General data**

|                   |                                          |
|-------------------|------------------------------------------|
| 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 Ø (core)               | 0.1 mm                                            |
| Construction (core)                | 42× 0.1 mm (multi-strand wire class 6)            |
| Diameter (core)                    | 3× 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 $\pm$ 5 D                                      |
| Wire-Ø incl. isolation             | 1.25 mm $\pm$ 5%                                  |
| Color/numbering of wires           | br, bk, bl                                        |
| Stranding combination              | 3 wires twisted                                   |

The information in this brochure has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2022-11-13

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|                                        |                                                                                                                                                        |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 $\pm$ 5 A                                                                                                                                           |
| Outer-Ø (jacket)                       | 4.1 mm $\pm$ 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                         | $\pm$ 180°/m                                                                                                                                           |
| No. of torsion cycles                  | max. 2 Mio. (25 °C)                                                                                                                                    |
| Torsion speed                          | 35 cycles/min                                                                                                                                          |
|                                        |                                                                                                                                                        |
| Product article number of manufacturer | 7000-88415-6330100                                                                                                                                     |
| Cable length                           | 1 m                                                                                                                                                    |