

**M12 male 0° / M8 female 90° LED**

PUR 3x0.25 gy UL/CSA+drag chain 0,3m

Male straight – female 90°

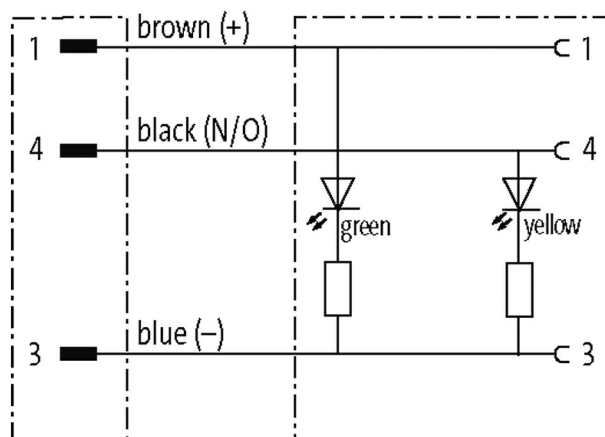
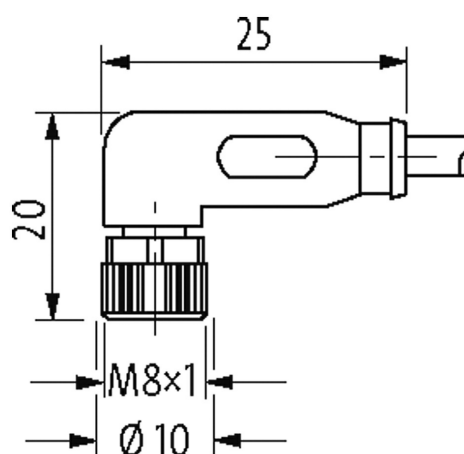
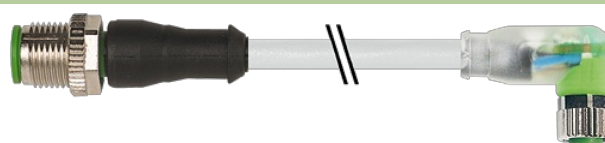
M12 – M8, 3-pole

LED (yellow/green)

Plastic housings with good resistance against chemicals and oils.

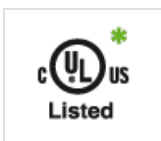
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

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

Product may differ from Image

**Approvals**



\* only for products with UL/CSA approved cable

**Form**

Form 40641

**General data**

|                            |                                                   |
|----------------------------|---------------------------------------------------|
| Standards                  | DIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8) |
| Material (contact)         | Copper alloy                                      |
| Material (contact surface) | Au                                                |
| Material (gasket)          | FKM                                               |
| Pollution Degree           | 3                                                 |
| Temperature range          | -25...+85 °C, depending on cable quality          |

**Cables**

|                                    |                                                                                                                                                        |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| No./diameter of wires              | 3 × 0.25 mm <sup>2</sup>                                                                                                                               |
| C-track properties                 | 10 Mio.                                                                                                                                                |
| Wire isolation                     | PP (br, bl, bk)                                                                                                                                        |
| Material (jacket)                  | PUR (UL/CSA)                                                                                                                                           |
| Outer Ø                            | 4.1 mm ±5%                                                                                                                                             |
| Bend radius (moving)               | 10 × outer Ø                                                                                                                                           |
| Temperature range (fixed)          | -40...+80 °C                                                                                                                                           |
| Temperature range (mobile)         | -25...+80 °C                                                                                                                                           |
| Cable identification               | 230                                                                                                                                                    |
| Cable Type                         | 3 (PUR)                                                                                                                                                |
| Approval (cable)                   | cURus (AWM-Style 20549/10493); CE conform                                                                                                              |
| Cable weight [g/m]                 | 26,40                                                                                                                                                  |
| Material (wire)                    | Cu wire, bare                                                                                                                                          |
| Resistor (core)                    | max. 79 Ω/km (20 °C)                                                                                                                                   |
| Single wire Ø (core)               | 0.1 mm                                                                                                                                                 |
| Construction (core)                | 32 × 0.1 mm (multi-strand wire class 6)                                                                                                                |
| Diameter (core)                    | 3 × 0.25 mm <sup>2</sup>                                                                                                                               |
| AWG                                | similar to AWG 24                                                                                                                                      |
| Material (wire isolation)          | PP                                                                                                                                                     |
| Material property (wire isolation) | CFC-, halogen-, cadmium-, silicone- and lead-free                                                                                                      |
| Shore hardness (wire isolation)    | 70 ±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                                                                                                                                                    |
| 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 ±5 A                                                                                                                                                |
| Outer-Ø (jacket)                   | 4.1 mm ±5%                                                                                                                                             |
| Color (jacket)                     | gray                                                                                                                                                   |
| chemical resistance                | good resistance to oil, gasoline and chemicals (EN 60811-404)                                                                                          |
| thermal resistance                 | flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, 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/s²                                          |
| Torsion stress                  | ±180°/m                                               |
| No. of torsion cycles           | max. 2 Mio. (25 °C)                                   |
| Torsion speed                   | 35 cycles/min                                         |
| Jacket Color                    | gray                                                  |

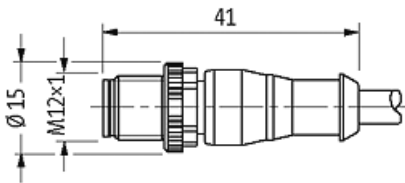
**Technical Data**

|                                           |                                                                         |
|-------------------------------------------|-------------------------------------------------------------------------|
| Operating voltage                         | 24 V DC ±25%                                                            |
| Operating voltage (only UL listed)        | 30 V DC                                                                 |
| Rated surge voltage                       | 0.8 kV                                                                  |
| Operating current per contact             | max. 4 A                                                                |
| No. of poles                              | 3                                                                       |
| Current consumption                       | 5 mA                                                                    |
| Material group                            | IEC 60664-1, category I                                                 |
| Coding                                    | M12, A-coded                                                            |
| LED display                               | (yellow/green)                                                          |
| Locking of ports                          | Screw thread (M8/M12×1 mm) recommended torque 0.4/0.6 Nm, self-securing |
| Compression gland                         | M8 (SW9), M12 (SW13)                                                    |
| Protection                                | IP66K, IP67 inserted and tightened (EN 60529)                           |
| Locking material                          | Zinc die casting, matte nickel plated                                   |
| Material                                  | PUR                                                                     |
| suitable for corrugated tube (internal Ø) | M12 (10 mm); M8 (6.5 mm)                                                |

**Commercial data**

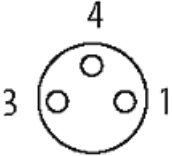
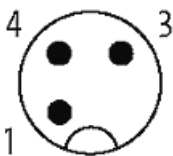
|                       |               |
|-----------------------|---------------|
| country of origin     | DE            |
| customs tariff number | 85444290      |
| EAN                   | 4048879159678 |
| eClass                | 27279218      |
| Packaging unit        | 1             |

**Sketch**



Male

Female



Product may differ from Image