

M12 male 0° / M8 female 90° A-cod. LED

PUR 3x0.25 gy UL/CSA+drag ch. 1m

Male straight – female 90°

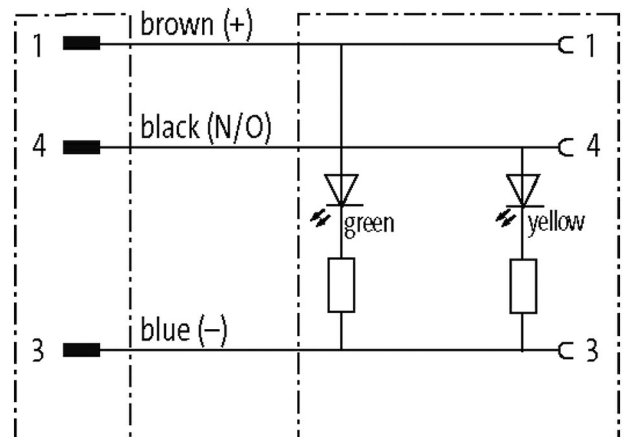
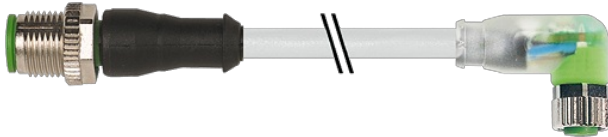
M12 – M8, 3-pole

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.

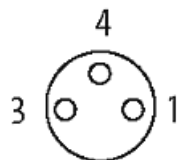
Further cable lengths on request.

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

Male



Female



Product may differ from Image



* only for products with UL/CSA approved cable

Form

Form 40641

Technical DataOperating voltage 24 V DC \pm 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) |

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 ² |
| 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 ² |
| 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) |

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: 03/22

| | |
|---------------------------------|---|
| 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 ² |
| Torsion stress | ±180°/m |
| No. of torsion cycles | max. 2 Mio. (25 °C) |
| Torsion speed | 35 cycles/min |
| Jacket Color | gray |

Commercial data

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|-----------------------|---------------|
| country of origin | DE |
| customs tariff number | 85444290 |
| EAN | 4048879159654 |
| eClass | 27279218 |
| Packaging unit | 1 |