

**MQ12 MALE 0° / M8 FEMALE 0°**

PUR 3x0.25 black UL/CSA, drag ch 1m

Male straight – female straight

MQ12 – M8

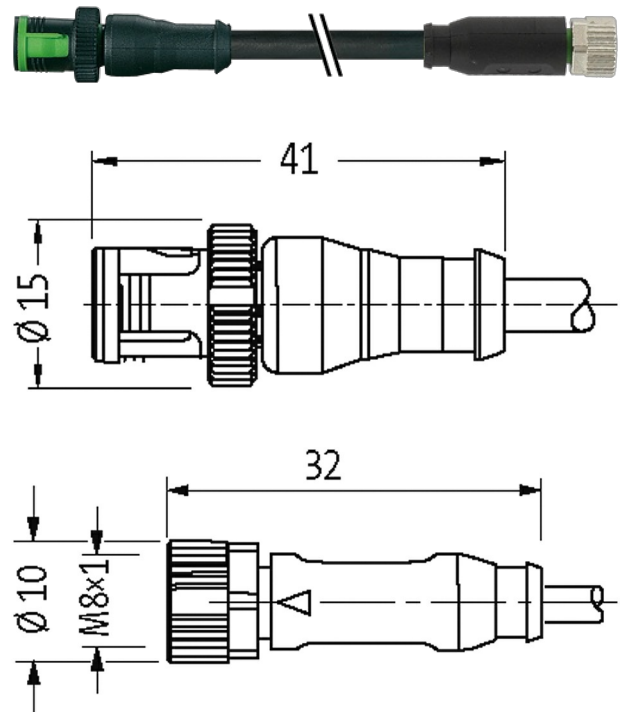
3-pole

with cable sleeves

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 40561

**Technical Data**

|                               |  |
|-------------------------------|--|
| Operating voltage             | max. 60 V AC/DC  |
| Rated surge voltage           | 1.5 kV   |
| Operating current per contact | max. 4 A   |
| No. of poles                  | 3  |
| Material group                | IEC 60664-1, category II   |
| Coding                        | M12, A-coded   |
| Locking of ports              | Screw thread (M8x1 mm) recommended torque 0.4 Nm, self-securing; quick connection MQ12, 1/4 turn |
| Compression gland             | M8 (SW9)   |
| Protection                    | IP65 and IP67 when plugged and screwed down (EN 60529)   |
| Material                      | PUR  |
| Locking material              | M8 (zinc die casting, matte nickel plated); M12 (PA)   |

suitable for corrugated tube (internal Ø) M12 (10 mm); M8 (6.5 mm)

**General data**

|                            |  |
|----------------------------|--|
| Standards                  | 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>   |
| Wire isolation                     | PP (br, bl, bk)  |
| C-track properties                 | 10 Mio.  |
| 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               | 630  |
| 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)                     | 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   |

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: 02/21

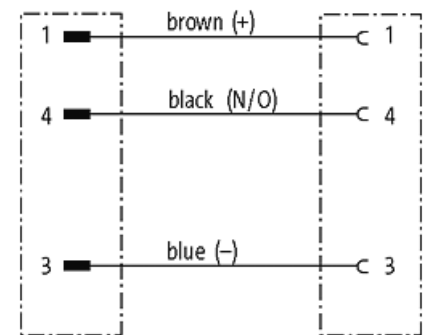
Murrelektronik GmbH | Falkenstr. 3 | 71570 Oppenweiler | Fon +49 (71 91) 47-0 | Fax +49 (71 91) 47-491000 | shop@murrelektronik.com | shop.murrelektronik.com

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

#### Commercial data

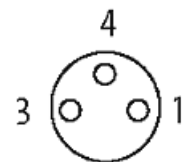
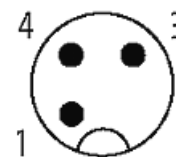
|                       |               |
|-----------------------|---------------|
| country of origin     | DE            |
| customs tariff number | 85444290      |
| EAN                   | 4048879105446 |
| eClass                | 27279218      |
| Packaging unit        | 1             |

#### Sketch



Male

Female



Product may differ from Image