

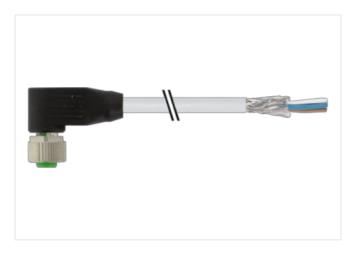
M12 female 90° A-cod. with cable shielded

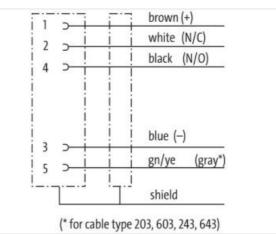
PUR 5x0.34 shielded gy UL/CSA+drag ch. 5m

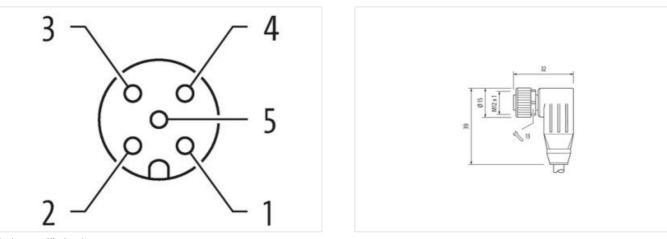
Female 90° M12, 5-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

Link to Product

Illustration







Product may differ from Image



Cable length

Side 1

Tightening torque

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-19

Murrelektronik B.V. | Takkebijsters 3 | 4817 BL Breda | Fon 085-22 20 282 | Fax 085-22 20 283 | shop@murrelektronik.nl | shop.murrelektronik.nl

5 m

0,6 Nm



| Mounting method | inserted, screwed |
|---|---------------------|
| Coating contact | gold plated |
| Family construction form | M12 |
| Thread | M12 x 1 |
| Coding | A |
| Material contact | Copper alloy |
| Material | PUR |
| No. of poles | 5 |
| Width across flats | SW13 |
| Degree of protection (EN IEC 60529) | IP65, IP66K, IP67 |
| Side 2 | |
| Stripping length (jacket) | 20 mm |
| Coating contact | gold plated |
| Commercial data | |
| ECLASS-6.0 | 27279218 |
| ECLASS-7.0 | 27279218 |
| ECLASS-8.0 | 27279218 |
| ECLASS-9.0 | 27060311 |
| ECLASS-10.1 | 27060311 |
| ECLASS-11.1 | 27060311 |
| ECLASS-12.0 | 27060311 |
| ETIM-5.0 | EC001855 |
| customs tariff number | 85444290 |
| GTIN | 4048879441704 |
| Packaging unit | 1 |
| Electrical data Supply | |
| Operating voltage AC max. | 60 V |
| Operating voltage DC max. | 60 V |
| Operating voltage AC (UL-listed) | 30 V |
| Operating voltage DC (UL-listed) | 30 V |
| Current operating per contact max. | 4 A |
| Diagnostics | |
| Status indication LED | no |
| Installation Connection | |
| Stripping length (jacket) | 20 mm |
| Mounting set | M12 x 1 |
| Device protection Electrical | |
| | insorted corowed |
| Additional condition protection degree Pollution Degree | inserted, screwed 3 |
| Rated surge voltage | 3 1,5 kV |
| Material group (IEC 60664-1) | |
| Mechanical data | |
| Contour for corrugated hose | without |
| Mechanical data Material data | |
| Coating locking | Nickeled |
| Coating of fitting | nickel plated |
| Material gasket | FKM |
| | Zinc die-casting |
| Locking material | |
| Locking material Material screw connection | Zinc die casting |

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-19

Murrelektronik B.V. | Takkebijsters 3 | 4817 BL Breda | Fon 085-22 20 282 | Fax 085-22 20 283 | shop@murrelektronik.nl | shop.murrelektronik.nl



| Mounting method | inserted, screwed, Shaking protection | |
|--|--|--|
| 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 | Attention: 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 61076-2-101 (M12) | |
| Installation Cable | | |
| • | | |
| wire arrangement Cable identification | brown, black, blue, white, gray 243 | |
| | | |
| Cable Type | 3 | |
| Jacket Color | gray cURus | |
| Type of Certificate | | |
| Amount stranding | 1 E wiree around Care filler twisted | |
| Stranding | 5 wires around Core filler twisted | |
| Cable shielding (type) | copper braid, tinned 80 % | |
| Cable shielding (coverage) | | |
| Banding | Fleece, Foil | |
| Filler | yes | |
| wire arrangement | brown, black, blue, white, gray | |
| Cable weigth | 57,2 g/m | |
| Material jacket | PUR | |
| Shore hardness jacket | 90 ± 5 Shore A | |
| Freedom from ingredients (jacket) | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free | |
| Outer-diameter (jacket) | 5,6 mm | |
| Tolerance outer diameter (sheath) | ±5% | |
| Material wire insulation | PP | |
| Amount wires | 5 | |
| Outer diameter insulation | 1,25 mm | |
| Outer diameter tolerance core insulation | ±5% | |
| Shore hardness wire insulation | 70 ± 5 Shore D | |
| Ingredient freeness wire insulation | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free | |
| Amount strands (wire) | 42 | |
| Diameter of single wires | 0,1 mm | |
| Conductor crosssection (wire) | 0,34 mm² | |
| Material conductor wire | Stranded copper wire, bare | |
| Conductor type (wire) | strand class 6 | |
| Nominal voltage AC max. | 300 V | |
| Current load capacity (standard) | to DIN VDE 0298-4 | |
| Current load capacity min. wire | 4,5 A | |
| Electrical resistance line constant wire | 57 Ω/km @ 20 °C | |
| AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - | 2 kV @ 60 s 2 kV @ 60 s | |
| acket) | | |
| AC withstand voltage (wire - shield) | 2 kV @ 60 s -40 ℃ | |
| Min. operating temperature (static) | | |
| Max. operating temperature (fixed) | 80 °C / 90 °C @ 10000 h Operation | |
| Operating temperature min. (dynamic) | -25 °C | |

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-19

Murrelektronik B.V. | Takkebijsters 3 | 4817 BL Breda | Fon 085-22 20 282 | Fax 085-22 20 283 | shop@murrelektronik.nl | shop.murrelektronik.nl



| Flame resistance | IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 |
|---------------------------------|--|
| chemical resistance | Good, application-related testing |
| Gasoline resistance | Good, application-related testing |
| Oil resistance | Good, application-related testing DIN EN 60811-404 |
| Bending radius (fixed) | 5 x Outer diameter |
| Bending radius (dynamic) | 10 x Outer diameter |
| No. of bending cycles (C-track) | 5 Mio. @ 25 °C |
| Traversing distance (C-track) | 5 m @ 25 °C horizontal |
| Travel speed (C-track) | 3,3 m/s @ 25 °C |
| No. of torsion cycles | 2 Mio. |
| Torsion stress | ± 30 °/m |
| Torsion speed | 35 cycles/min |

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-19 Murrelektronik B.V. | Takkebijsters 3 | 4817 BL Breda | Fon 085-22 20 282 | Fax 085-22 20 283 | shop@murrelektronik.nl | shop.murrelektronik.nl