

M12 male 0° A-cod. with cable shielded

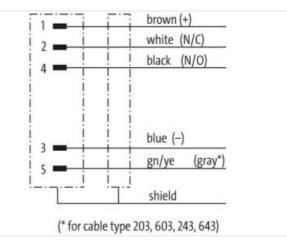
PUR 5x0.34 shielded gy 3.5m

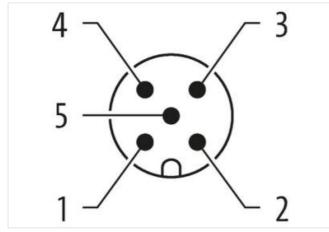
Male straight M12, 5-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

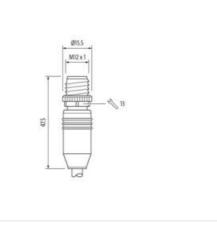
Link to Product

Illustration









Product may differ from Image



Cable length

Side 1

3,5 m

Tightening torque

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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 | 4048879687751 |
| Packaging unit | 1 |
| Electrical data Supply | |
| Operating voltage AC max. | 60 V |
| Operating voltage DC max. | 60 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 | |
| Additional condition protection degree | inserted, screwed |
| Pollution Degree | 3 |
| Rated surge voltage | 1,5 kV |
| Material group (IEC 60664-1) | I |
| Mechanical data | |
| Contour for corrugated hose | without |
| Mechanical data Material data | |
| Coating locking | Nickeled |
| Coating of fitting | nickel plated |
| Locking material | Zinc die-casting |
| Material screw connection | Zinc die-casting |
| Mechanical data Mounting data | |
| Mounting method | inserted, screwed, Shaking protection |
| Environmental characteristics Climatic | |
| | |
| Operating temperature min. | -25 °C |

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| 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. |
| lote 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 | |
| Cable identification | 349 |
| Jacket Color | |
| Amount stranding | gray 1 |
| Stranding | 5 wires around Core filler twisted |
| 5 | |
| Cable shielding (type) | copper braid, tinned 85 % |
| Cable shielding (coverage) | |
| Banding Filler | Fleece, Foil |
| vire arrangement | yes |
| Vire arrangement | brown, black, blue, white, green-yellow 5 m @ 25 °C |
| Taversing distance (C-track) | |
| | 59,4 g/m PUR |
| Aaterial jacket Shore hardness jacket | |
| , | 85 ± 5 Shore A |
| reedom from ingredients (jacket) | lead-free, cadmium-free, CFC-free, halogen-free |
| Duter-diameter (jacket) | 5,9 mm |
| olerance outer diameter (sheath) | ±5% |
| Aaterial inner jacket | PVC |
| Color (inner jacket) | gray |
| Aaterial wire insulation | PVC |
| Amount wires | 5 |
| Duter diameter insulation | 1,45 mm |
| Duter diameter tolerance core insulation | ±5% |
| Shore hardness wire insulation | 85 ± 5 Shore A |
| laterial properties wire insulation | good machinability |
| ngredient freeness wire insulation | lead-free, cadmium-free, CFC-free, silicone-free |
| Amount strands (wire) | 42 |
| Diameter of single wires | 0,1 mm |
| Conductor crosssection (wire) | 0,34 mm ² |
| Naterial conductor wire | Stranded copper wire, bare |
| Conductor type (wire) | strand class 6 |
| Nax. rated voltage (conductor - conductor) | 350 V |
| lax. rated voltage (conductor - ground) | 300 V |
| Current load capacity (standard) | to DIN VDE 0298-4 |
| Current load capacity min. wire | 4,5 A |
| lectrical resistance line constant wire | 57 Ω/km @ 20 °C |
| C withstand voltage (wire - wire) | 2 kV @ 60 s |
| Power frequency withstand voltage (wire - acket) | 2 kV @ 60 s |
| C withstand voltage (wire - shield) | 1,5 kV @ 60 s |
| <i>I</i> in. operating temperature (static) | -40 °C |
| fax. operating temperature (fixed) | 80 °C |
| Operating temperature min. (dynamic) | -5 °C |
| Operating temperature max. (dynamic) | 70 °C |
| lame resistance | IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 |
| chemical resistance | Good, application-related testing |

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| Gasoline resistance | Good, application-related testing |
|--------------------------|--|
| Oil resistance | DIN EN 60811-404 Good, application-related testing |
| Bending radius (fixed) | 10 x Outer diameter |
| Bending radius (dynamic) | 15 x Outer diameter |
| Travel speed (C-track) | 0,1 Mio. @ 25 °C |

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