

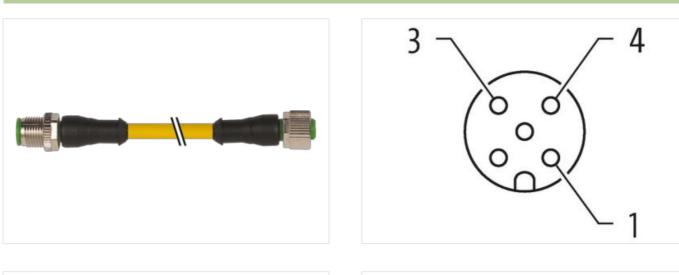
M12 male 0° / M12 female 0° A-cod.

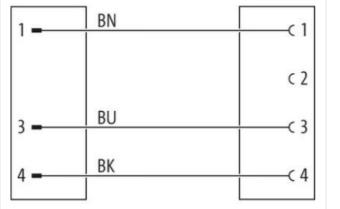
PUR 3x0.34 ye UL/CSA+drag ch. 3.5m

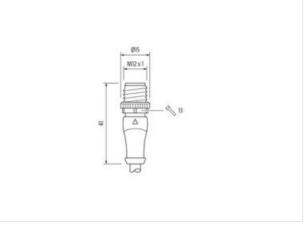
Male straight – female straight M12 – M12, 3-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

Link to Product

Illustration

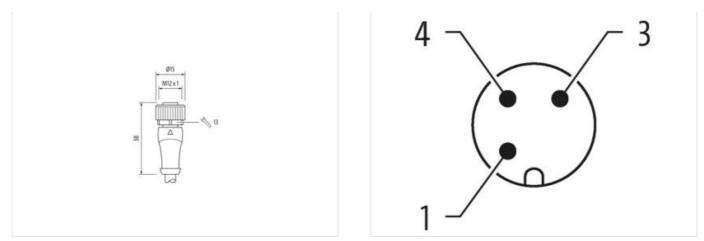






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Product may differ from Image



| Cable length | 3,5 m |
|--|-------------------|
| Side 1 | |
| Tightening torque | 0,6 Nm |
| Mounting method | inserted, screwed |
| Family construction form | M12 |
| Thread | M12 x 1 |
| suitable for corrugated tube (internal Ø) | 10 mm |
| Coding | A |
| Material | PUR |
| No. of poles | 3 |
| Width across flats | SW13 |
| Degree of protection (EN IEC 60529) | IP65, IP66K, IP67 |
| Side 2 | |
| Tightening torque | 0,6 Nm |
| Mounting method | inserted, screwed |
| Family construction form | M12 |
| Thread | M12 x 1 |
| suitable for corrugated tube (internal \emptyset) | 10 mm |
| Coding | A |
| Material | PUR |
| No. of poles | 3 |
| Width across flats | SW13 |
| 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 |

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| GTIN | 4048879293860 |
|--|---|
| Packaging unit | 1 |
| Electrical data Supply | |
| Operating voltage AC max. | 250 V |
| Operating voltage DC max. | 250 V |
| Operating voltage AC (UL-listed) | 30 V |
| Operating voltage DC (UL-listed) | 30 V |
| Current operating per contact max. | 4 A |
| Installation Connection | |
| Mounting set | M12 x 1 |
| Device protection Electrical | |
| · · · | |
| Additional condition protection degree Pollution Degree | inserted, screwed 3 |
| <u> </u> | - |
| Rated surge voltage | 2,5 kV |
| Material group (IEC 60664-1) | |
| 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 |
| 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. |
| | The connectors by suitable measures non 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 |
| | Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |
| Conformity | endangered by excessive bending forces. |
| Conformity Product standard | |
| Conformity | endangered by excessive bending forces. |
| Conformity Product standard | endangered by excessive bending forces. |
| Conformity Product standard Installation Cable | endangered by excessive bending forces. DIN EN 61076-2-101 (M12) |
| Conformity Product standard Installation Cable wire arrangement Cable identification Cable Type | endangered by excessive bending forces. DIN EN 61076-2-101 (M12) brown, black, blue |
| Conformity Product standard Installation Cable wire arrangement Cable identification Cable Type Jacket Color | endangered by excessive bending forces. DIN EN 61076-2-101 (M12) brown, black, blue 033 3 yellow |
| Conformity Product standard Installation Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate | endangered by excessive bending forces. DIN EN 61076-2-101 (M12) brown, black, blue 033 3 yellow cURus |
| Conformity Product standard Installation Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding | endangered by excessive bending forces. DIN EN 61076-2-101 (M12) brown, black, blue 033 3 yellow cURus 1 |
| Conformity Product standard Installation Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding | endangered by excessive bending forces. DIN EN 61076-2-101 (M12) brown, black, blue 033 3 yellow cURus 1 3 wires twisted |
| Conformity Product standard Installation Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement | endangered by excessive bending forces. DIN EN 61076-2-101 (M12) brown, black, blue 033 3 yellow cURus 1 3 wires twisted brown, black, blue |
| Conformity Product standard Installation Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth | endangered by excessive bending forces. DIN EN 61076-2-101 (M12) brown, black, blue 033 3 yellow cURus 1 3 wires twisted brown, black, blue 29,7 g/m |
| Conformity Product standard Installation Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket | endangered by excessive bending forces. DIN EN 61076-2-101 (M12) brown, black, blue 033 3 yellow cURus 1 3 wires twisted brown, black, blue 29,7 g/m PUR |
| Conformity Product standard Installation Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket | endangered by excessive bending forces. DIN EN 61076-2-101 (M12) brown, black, blue 033 3 yellow cURus 1 3 wires twisted brown, black, blue 29,7 g/m PUR 90 ± 5 Shore A |
| Conformity Product standard Installation Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket | endangered by excessive bending forces. DIN EN 61076-2-101 (M12) brown, black, blue 033 3 yellow cURus 1 3 wires twisted brown, black, blue 29,7 g/m PUR |
| Conformity Product standard Installation Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) | endangered by excessive bending forces. DIN EN 61076-2-101 (M12) brown, black, blue 033 3 yellow cURus 1 3 wires twisted brown, black, blue 29,7 g/m PUR 90 ± 5 Shore A |
| Conformity Product standard Installation Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) | endangered by excessive bending forces. DIN EN 61076-2-101 (M12) brown, black, blue 033 3 yellow cURus 1 3 wires twisted brown, black, blue 29,7 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Conformity Product standard Installation Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) | endangered by excessive bending forces. DIN EN 61076-2-101 (M12) brown, black, blue 033 3 yellow cURus 1 3 wires twisted brown, black, blue 29,7 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,1 mm |
| Conformity Product standard Installation Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) | endangered by excessive bending forces. DIN EN 61076-2-101 (M12) brown, black, blue 033 3 yellow cURus 1 3 wires twisted brown, black, blue 29,7 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,1 mm ± 5 % |
| Conformity Product standard Installation Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation | endangered by excessive bending forces. DIN EN 61076-2-101 (M12) brown, black, blue 033 3 yellow cURus 1 3 wires twisted brown, black, blue 29,7 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,1 mm ± 5 % PP |

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| 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 mm ² |
| 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 | 6 A |
| Electrical resistance line constant wire | 57 Ω/km @ 20 °C |
| AC withstand voltage (wire - wire) | 2,5 kV @ 60 s |
| Power frequency withstand voltage (wire - jacket) | 2,5 kV @ 60 s |
| Min. operating temperature (static) | -40 °C |
| Max. operating temperature (fixed) | 80 °C / 90 °C @ 10000 h Operation |
| Operating temperature min. (dynamic) | -25 °C |
| Operating temperature max. (dynamic) | 80 °C / 90 °C @ 10000 h Operation |
| Flame resistance | UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 |
| 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) | 10 Mio. @ 25 °C |
| Traversing distance (C-track) | 10 m @ 25 °C horizontal |
| Travel speed (C-track) | 3 m/s @ 25 °C |
| No. of torsion cycles | 2 Mio. |
| Torsion stress | ± 180 °/m |
| Torsion speed | 35 cycles/min |

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