

M12 male 90° / M12 female 90° A-cod.

PUR 5x0.34 bk UL/CSA+drag ch. 3.5m

Male 90° - female 90°

M12 - M12, 5-pole

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

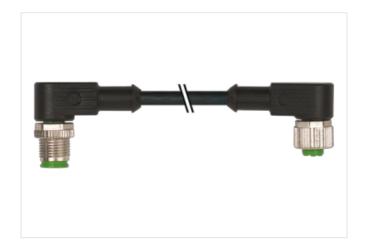
Plastic housings with good resistance against chemicals and oils.

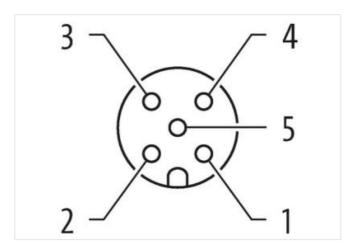
The resistance to aggressive media should be individually tested for your application. Further details on request.

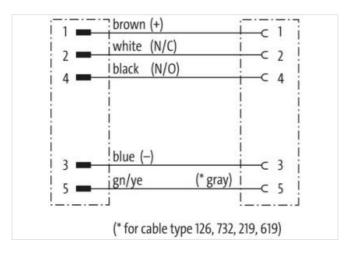
Further cable lengths on request.

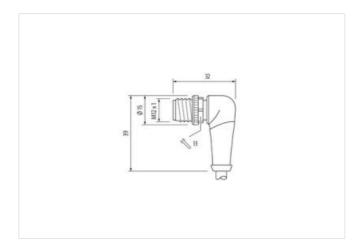
Link to Product

Illustration



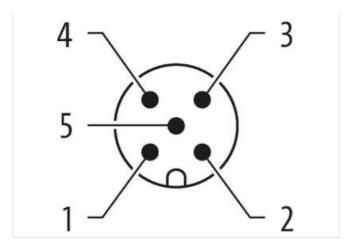


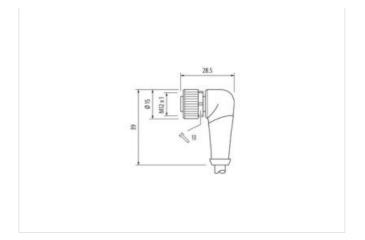






stay connected





Product may differ from Image













| Side 1 Tightening torque 0,6 Nm Mounting method inserted, so | rewed |
|--|-------|
| Mounting method inserted, so | rewed |
| | rewed |
| | |
| Family construction form M12 | |
| Thread M12 x 1 | |
| suitable for corrugated tube (internal Ø) 10 mm | |
| Coding A | |
| Material PUR | |
| Width across flats SW13 | |
| Degree of protection (EN IEC 60529) IP66K, IP67 | |
| Side 2 | |
| Tightening torque 0,6 Nm | |
| Mounting method inserted, so | rewed |
| Family construction form M12 | |
| Thread M12 x 1 | |
| suitable for corrugated tube (internal Ø) 10 mm | |
| Coding A | |
| Material PUR | |
| Width across flats SW13 | |
| Degree of protection (EN IEC 60529) IP66K, IP67 | 7 |
| Commercial data | |
| ECLASS-6.0 27279218 | |
| ECLASS-7.0 27279218 | |
| ECLASS-8.0 27279218 | |
| ECLASS-9.0 27060311 | |
| ETIM-5.0 EC001855 | |
| customs tariff number 85444290 | |
| GTIN 404887968 | 3500 |
| Packaging unit 1 | |
| Electrical data Supply | |
| Operating voltage AC max. 125 V | |



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| Operating voltage DC max. | 125 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 | inserted, screwed |
| Pollution Degree | 3 |
| Material group (IEC 60664-1) | 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 Climati | c |
| 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. |
| | Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be |
| Note on bending radius | endangered by excessive bending forces. |
| Installation Cable | |
| wire arrangement | brown, black, blue, white, green-yellow |
| Cable identification | 635 |
| Cable Type | 3 |
| Jacket Color | black |
| Type of Certificate | cURus |
| Amount stranding | 1 |
| Stranding | 5 wires around Core filler twisted |
| Filler | yes |
| wire arrangement | brown, black, blue, white, green-yellow |
| Cable weigth | 41,8 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) | 4,8 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% |
| 0 | 70 ± 5 Shore D |
| | |
| Ingredient freeness wire insulation | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Ingredient freeness wire insulation Amount strands (wire) | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 42 |
| Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 42 0,1 mm |
| Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire) | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 42 0,1 mm 0,34 mm² |
| Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 42 0,1 mm |



| 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) | 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 |
| UV resistance | DIN EN ISO 4892-2 A |
| Flame resistance | UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 |
| 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 |