

M12 male 0° / M12 female 90° A-cod. shielded

PUR 4x0.34 shielded bk UL/CSA+drag ch. 1.2m

Male straight – female 90° M12 – M12, 4-pole shielded with cable sleeves

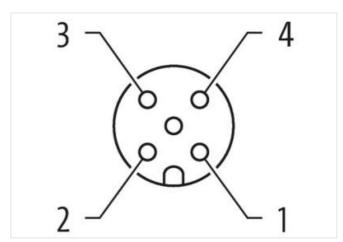
Plastic housings with good resistance against chemicals and oils.

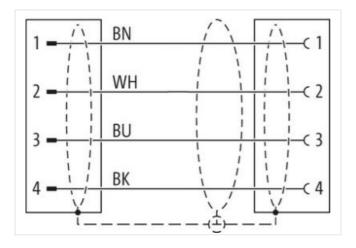
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

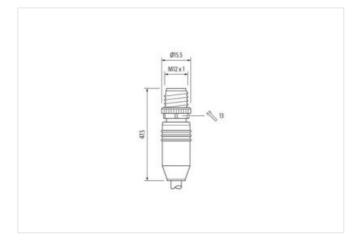
Link to Product

Illustration



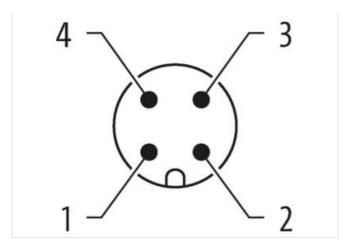


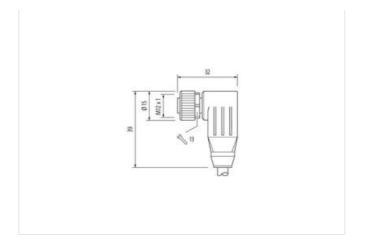






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Cable length





1,2 m







| Cable length | 1,2 111 |
|-------------------------------------|-------------------|
| Side 1 | |
| Tightening torque | 0,6 Nm |
| Mounting method | inserted, screwed |
| Family construction form | M12 |
| Thread | M12 x 1 |
| Coding | A |
| Material | PUR |
| No. of poles | 4 |
| Width across flats | SW13 |
| Degree of protection (EN IEC 60529) | IP66K, IP67 |
| Side 2 | |
| Tightening torque | 0,6 Nm |
| Mounting method | inserted, screwed |
| Family construction form | M12 |
| Thread | M12 x 1 |
| Coding | A |
| Material | PUR |
| No. of poles | 4 |
| Width across flats | SW13 |
| Degree of protection (EN IEC 60529) | IP66K, IP67 |
| Commercial data | |
| ECLASS-6.0 | 27279218 |
| ECLASS-6.1 | 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 | 4065909048924 |

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: 2024-06-23



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| Mounting set M12 x 1 | Packaging unit | 1 |
|--|--|---|
| Operating voltage DC max. 60 V Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Status indication LED no Installation (Connection M12 x 1 Mounting set M12 x 1 Additional condition protection degree Inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 k V Malerial group (EC 0064+1) 1 Machanical data Without To corrugated hose Mechanical data (Material data) Without To corrugated hose Mechanical data (Material data) Zinc die-casting Coating to fitting nickel glabel Coating to fitting nickel glabel Coding material Zinc die-casting Mechanical data (Mounting data) Inserted, screwed, Shaking protection Environmental characteristics Climatic Coperating temperature max. Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important residence Department of the permissibl | Electrical data Supply | |
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| Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min. | Locking material | Zinc die-casting |
| Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min. | Material screw connection | Zinc die-casting |
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| Banding Fleece, Foil wire arrangement brown, black, blue, white Cable weigth 50,6 g/m Material jacket PUR | Cable shielding (type) | copper braid, tinned |
| wire arrangement brown, black, blue, white Cable weigth 50,6 g/m Material jacket PUR | Cable shielding (coverage) | 80 % |
| Cable weigth 50,6 g/m Material jacket PUR | Banding | Fleece, Foil |
| Material jacket PUR | wire arrangement | brown, black, blue, white |
| | Cable weigth | 50,6 g/m |
| Shore hardness jacket 90 ± 5 Shore A | Material jacket | PUR |
| | Shore hardness jacket | 90 ± 5 Shore A |



| stay | connected | |
|------|-----------|--|
| | | |

| Freedom from ingredients (jacket) | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
|---|--|
| Outer-diameter (jacket) | 5,3 mm |
| Tolerance outer diameter (sheath) | ±5% |
| Material wire insulation | PP |
| Amount wires | 4 |
| 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 | 4,8 A |
| Electrical resistance line constant wire | 57 Ω/km @ 20 °C |
| AC withstand voltage (wire - wire) | 2 kV @ 60 s |
| Power frequency withstand voltage (wire - jacket) | 2 kV @ 60 s |
| AC withstand voltage (wire - shield) | 2 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 | IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 |
| chemical resistance | Good, application-related testing |
| Gasoline resistance | Good, application-related testing |
| Oil resistance | DIN EN 60811-404 Good, application-related testing |
| 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 |