

M12 male 0° / M12 female 0° A-cod.

PUR 5x0.34 bk UL/CSA+drag ch. 3.3m

Male straight – female straight M12 – M12, 5-pole

A-coded

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

Plastic housings with good resistance against chemicals and oils.

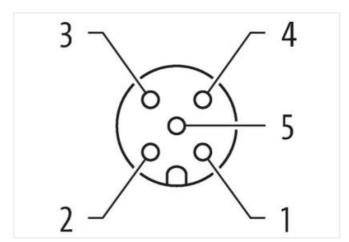
The resistance to aggressive media should be individually tested for your application. Further details on request.

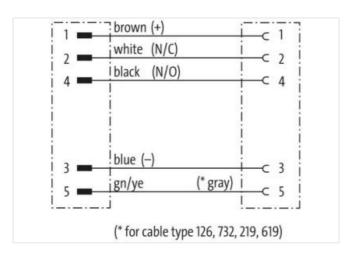
Further cable lengths on request.

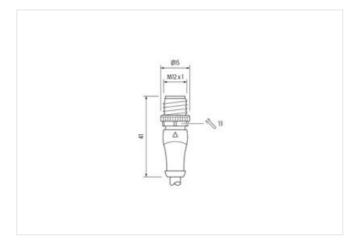
Link to Product

Illustration





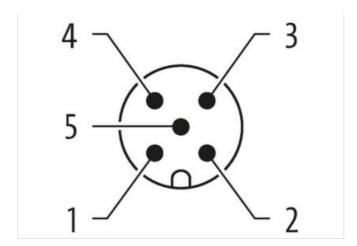






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Product may differ from Image













| Cable length | 3,3 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 |
| Cable outlet | straight |
| Coding | A |
| Material | PUR |
| No. of poles | 5 |
| 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 Ø) | 10 mm |
| Cable outlet | straight |
| Coding | A |
| Material | PUR |
| No. of poles | 5 |
| Width across flats | SW13 |
| Degree of protection (EN IEC 60529) | IP65, 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 |

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: 2024-05-20



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| ECLASS-11.1 | 27060311 |
|--|--|
| ECLASS-12.0 | 27060311 |
| ETIM-5.0 | EC001855 |
| customs tariff number | 85444290 |
| GTIN | 4048879890212 |
| Packaging unit | 1 |
| Electrical data Supply | |
| Operating voltage AC max. | 125 V |
| 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 |
| | WILAI |
| Device protection Electrical | IDOS IDOS IDOSIA |
| Degree of protection (EN IEC 60529) | IP65, IP67, IP66K |
| Additional condition protection degree Pollution Degree | inserted, screwed 3 |
| Rated surge voltage | 3 1.5 kV |
| Material group (IEC 60664-1) | 1,5 KV |
| | 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 | |
| Important installation notes Note on strain relief | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. |
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| Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate | Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12) 635 3 black |
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| Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding | Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12) 635 3 black cURus 1 |
| Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding | Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12) 635 3 black cURus 1 5 wires around Core filler twisted |
| Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler | Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12) 635 3 black cURus 1 5 wires around Core filler twisted yes |
| Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement | Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12) 635 3 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow |
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| Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket | Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12) 635 3 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow 41,8 g/m PUR |



| 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 |
| Traversing distance (C-track) | 10 m @ 25 °C horizontal |
| 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 |
| Travel speed (C-track) | 10 Mio. @ 25 °C |
| No. of torsion cycles | 2 Mio. |
| Torsion stress | ± 180 °/m |
| Torsion speed | 35 cycles/min |