

M12 male 0° / M12 female 0° A-cod.

PUR 4x0.34 gy UL/CSA+robot+drag ch. 8m

Male straight - female straight

M12 - M12, 4-pole

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

Plastic housings with good resistance against chemicals and oils.

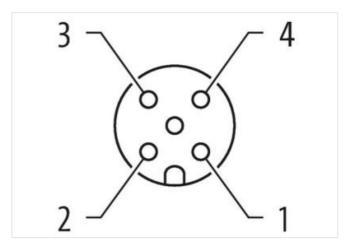
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

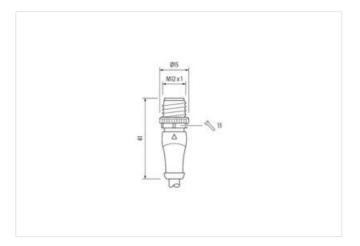
Link to Product

Illustration



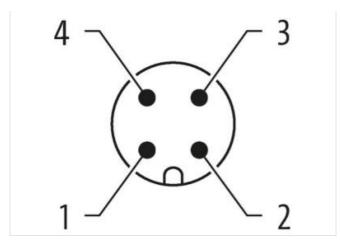








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Product may differ from Image













| Fightening torque 0.6 Nm Mounting method inserted, screwed Family construction form M12 Fined M12 x 1 Fined M2 x 1 Fined M3 x 1 Fined M3 x 1 Fined M4 x 1 Fined M5 x 1 Fined M6 | Cable length | 8 m |
|--|---|-------------------|
| Mounting method inserted, screwed | Side 1 | |
| Family construction form M12 Thread M12x 1 Suitable for corrugated tube (internal Ø) 10 mm Coding A Material PUR Midth across flats SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Side 2 Fightening torque 0,6 Nm Mounting method inserted, screwed Family construction form M12 Thread M12x 1 Suitable for corrugated tube (internal Ø) 10 mm Coding A Material PUR Midth across flats SW13 Commercial date ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ECLASS-11.1 4048879892193 Packaging unit 4048879892193 Packaging unit 500 10 ms | Tightening torque | 0,6 Nm |
| Efficiency M12 x 1 Suitable for corrugated tube (internal Ø) 10 mm Coding A Midth across flats SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Side 2 Eightening 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 Width across flats SW13 Commercial data ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 sustoms tariff number 85444290 SETIN 404879892193 Packaging unit 1 Electrical data Supply Operating voltage AC max. 250 V Operating voltage AC (UL-listed) 30 V | Mounting method | inserted, screwed |
| suitable for corrugated tube (internal Ø) 10 mm Coding A Material PUR Width across flats SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Side 2 Fightening torque 0,6 Nm Mounting method inserted, screwed armity construction form M12 Thread M12 x 1 buildable for corrugated tube (internal Ø) 10 mm Coding A Material PUR Width across flats SW13 Commercial data CCLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 customs tariff number 85444290 2TIN 4048879892193 Packaging unit 1 Electrical data Supply Operating voltage AC max. 250 V Operating voltage AC (UL-listed) 30 V | Family construction form | M12 |
| A A A A A A A A A A | Thread | M12 x 1 |
| Material PUR 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 Undertial M12 mm Coding A Material PUR Width across flats SW13 Commercial data ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 Customs tariff number 85444290 3TIN 4048879892193 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 | suitable for corrugated tube (internal Ø) | 10 mm |
| Width across flats SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Side 2 Fightening torque 0,6 Nm Mounting method inserted, screwed Finead M12 x 1 Suitable for corrugated tube (internal Ø) 10 mm Coding A Material PUR Width across flats SW13 Commercial data ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 SiTIN 4048879892193 Packaging unit 1 Electrical data Supply Operating voltage AC max. 250 V Operating voltage AC (UL-listed) 30 V | Coding | A |
| Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Side 2 Fightening torque Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 suitable for corrugated tube (internal Ø) 10 mm Decing A Material PUR Width across flats SW13 Commercial data ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 sustoms tariff number 85444290 3TIN 4048879892193 Packaging unit 1 Electrical data Supply Operating voltage AC max. 250 V Operating voltage AC (UL-listed) 30 V | Material | PUR |
| Fightening 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 Moth across flats SW13 Commercial data ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ECLASS-12.0 127060311 ECLASS-12.0 12 | Width across flats | SW13 |
| Eightening torque 0,6 Nm Mounting method inserted, screwed Family construction form M12 Firead M12 x 1 Suitable for corrugated tube (internal Ø) 10 mm Coding A Material PUR Width across flats SW13 Commercial data ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 customs tariff number 85444290 3TIN 4048879892193 Packaging unit 1 Electrical data Supply Operating voltage AC max. 250 V Operating voltage AC (UL-listed) 30 V | Degree of protection (EN IEC 60529) | IP65, IP66K, IP67 |
| Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 suitable for corrugated tube (internal Ø) 10 mm Coding A Material PUR Width across flats SW13 Commercial data ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 sustoms tariff number 85444290 3TIN 4048879892193 Packaging unit 1 Electrical data Supply Operating voltage AC max. 250 V Operating voltage AC (UL-listed) 30 V | Side 2 | |
| Family construction form M12 Thread M12 x 1 Suitable for corrugated tube (internal Ø) 10 mm Coding A Material PUR Width across flats SW13 Commercial data ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ECLASS-12.0 127060311 ECL | Tightening torque | 0,6 Nm |
| Innead M12 x 1 Suitable for corrugated tube (internal Ø) 10 mm Coding A Material PUR Width across flats SW13 Commercial data ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-11.1 27060311 Customs tariff number 85444290 GTIN 404879892193 Cackaging unit 1 Electrical data Supply Departing voltage AC max. 250 V Departing voltage DC max. 250 V Departing voltage AC (UL-listed) 30 V | Mounting method | inserted, screwed |
| Suitable for corrugated tube (internal Ø) 10 mm | Family construction form | M12 |
| Coding A Material PUR Width across flats SW13 Commercial data ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 customs tariff number 85444290 GTIN 4048879892193 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 | Thread | M12 x 1 |
| Material PUR Width across flats SW13 Commercial data ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 customs tariff number 85444290 GTIN 4048879892193 Packaging unit 1 Electrical data Supply Operating voltage AC max. 250 V Operating voltage AC (UL-listed) 30 V | suitable for corrugated tube (internal Ø) | 10 mm |
| Width across flats SW13 | Coding | A |
| ## Commercial data ### ECLASS-10.1 27060311 ### ECLASS-11.1 27060311 ### ECLASS-12.0 27060311 ### Sustoms tariff number 85444290 ### GTIN 4048879892193 ### Packaging unit 1 ### Electrical data Supply ### Operating voltage AC max. 250 V ### Operating voltage AC (UL-listed) 30 V | Material | PUR |
| ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ECLASS-12.0 4048879892193 Packaging unit 1 Electrical data Supply Operating voltage AC max. 250 V Operating voltage AC (UL-listed) 30 V | Width across flats | SW13 |
| ECLASS-11.1 27060311 ECLASS-12.0 27060311 sustoms tariff number 85444290 GTIN 4048879892193 Packaging unit 1 Electrical data Supply Operating voltage AC max. 250 V Operating voltage AC (UL-listed) 30 V | Commercial data | |
| ECLASS-12.0 27060311 customs tariff number 85444290 GTIN 4048879892193 Packaging unit 1 Electrical data Supply Operating voltage AC max. 250 V Operating voltage AC (UL-listed) 30 V | ECLASS-10.1 | 27060311 |
| Electrical data Supply Operating voltage AC (UL-listed) 85444290 85444290 4048879892193 1 1 Electrical data Supply Operating voltage AC max. 250 V Operating voltage AC (UL-listed) 30 V | ECLASS-11.1 | 27060311 |
| GTIN 4048879892193 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 | ECLASS-12.0 | 27060311 |
| 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 | customs tariff number | 85444290 |
| Electrical data Supply Operating voltage AC max. 250 V Operating voltage DC max. 250 V Operating voltage AC (UL-listed) 30 V | GTIN | 4048879892193 |
| Operating voltage AC max. 250 V Operating voltage DC max. 250 V Operating voltage AC (UL-listed) 30 V | Packaging unit | 1 |
| Operating voltage DC max. 250 V Operating voltage AC (UL-listed) 30 V | Electrical data Supply | |
| Operating voltage AC (UL-listed) 30 V | Operating voltage AC max. | 250 V |
| | Operating voltage DC max. | 250 V |
| Operating voltage DC (UL-listed) 30 V | Operating voltage AC (UL-listed) | 30 V |
| | Operating voltage DC (UL-listed) | 30 V |

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| Installation Connection | |
|--|---|
| Installation Connection | MO. 4 |
| Mounting set | M12 x 1 |
| Device protection Electrical | |
| Additional condition protection degree | inserted, screwed |
| Pollution Degree | 3 |
| Rated surge voltage | 2,5 kV |
| Material group (IEC 60664-1) | |
| Mechanical data Material data | |
| Coating locking | safe-cover coated |
| Coating of fitting | nickel plated |
| ocking 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 min. Operating temperature max. | -25 °C 85 °C |
| Additional condition temperature range | depending on cable quality |
| | depending on casic 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. |
| Note 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 | |
| wire arrangement | brown, black, blue, white |
| Cable identification | 254 |
| Cable Type | 5 |
| Jacket Color | gray |
| Type of Certificate | cURus |
| Amount stranding | 1 |
| Stranding | 4 wires twisted |
| vire arrangement | brown, black, blue, white |
| Cable weigth | 36,3 g/m |
| Material jacket | PUR |
| Shore hardness jacket | 58 ± 3 Shore D |
| reedom from ingredients (jacket) | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Outer-diameter (jacket) | 4,7 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 | 74 ± 3 Shore D |
| ngredient 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 |
| Astrodal association of the | Stranded copper wire, bare |
| Material conductor wire Conductor type (wire) | strand class 6 |

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| 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 | 60 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 | 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) | 10 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 | 1 Mio. |
| Torsion stress | ± 360 °/m |
| Torsion speed | 35 cycles/min |