

M12 female 90° A-cod. with cable LED

PUR 4x0.34 bk UL/CSA+drag ch. 15m

Female 90° M12, 4-pole 3× LED (PNP)

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

Plastic housings with good resistance against chemicals and oils.

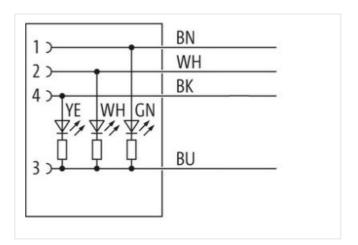
The resistance to aggressive media should be individually tested for your application. Further details on request.

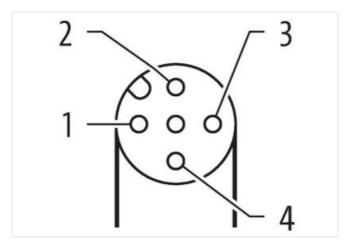
Further cable lengths on request.

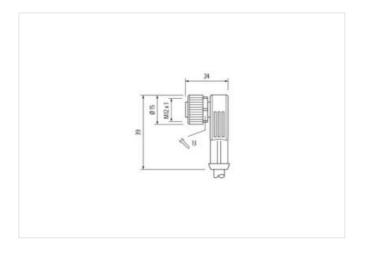
Link to Product

Illustration









Product may differ from Image











Cable length

15 m

Side 1

Tightening torque

0,6 Nm

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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| 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 |
| 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 |
| ECLASS-11.1 | 27060311 |
| ECLASS-12.0 | 27060311 |
| ETIM-5.0 | EC001855 |
| customs tariff number | 85444290 |
| GTIN | 4048879202558 |
| Packaging unit | 1 |
| Electrical data Supply | |
| Operating voltage DC | 24 V |
| Operating voltage DC min. | 18 V |
| Operating voltage DC max. | 30 V |
| Operating voltage DC max. (UL-listed) | 30 V |
| Current operating per contact max. | 4 A |
| Diagnostics | |
| Status indication LED | green, white, yellow |
| | green, write, yellow |
| Installation Connection | |
| Mounting set | M12 x 1 |
| Device protection Electrical | |
| Additional condition protection degree | inserted, screwed |
| Pollution Degree | 3 |
| Rated surge voltage | 0,8 kV |
| Material group (IEC 60664-1) | I |
| 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 | |
| | -25 °C |
| Operating temperature min. | -25 °C 85 °C |
| Operating temperature max. Additional condition temperature range | depending on cable quality |
| | 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. |
| 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. |

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| Product standard DIN EN 61076 2-101 (M12) Installation (Cable wire arrangement brown, black, blue, white Cable identification 634 Cable Type 3 Jacket Cobor Black Type of Certificate cURus Amount stranding 1 Standing 4 were twisted wire arrangement brown, black, blue, white Cable weigh 38.3 g/m Material jacket PUR Shore hardness jacket 90 £ Shore A Freedom from ingredients (jacket) 45 mm Tolerance outer diameter (health) 45 mm Tolerance outer diameter (health) 1 £ 5 % Duter diameter tolerance our insulation 1 £ 5 % Outer diameter tolerance our insulation 70 £ Shore D Ingredient feeness wire insulation 70 £ Shore D Ingredient feeness wire insulation 70 £ Shore D Ingredient feeness wire insulation 84 mm Conductor crosssection (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 57 Q km 20 ° C Amount strand collage (wire) 57 Q km 20 ° C ACurrent load capacity funk wire 4.8 A Current load capacity funk wire 4.8 A Current load capacity funk wire (state) 40 ° C,50 ° C © 10000 h Operation 0 Operating temperature (state) 60 ° C,50 ° C © 10000 h Operation 0 Operating temperature min. (dynamic) 10 K 50 4892 (2) UL 1591 § 1100 FT2 Chemical resistance 0 Oli 159 Selection (Selection (Wire) 10 ° C Operating temperature min. (dynamic) 10 ° C Ope |
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| Installation Cable wire arrangement brown, black, blue, white Cable institution 634 Cable in Type 3 Jacket Cotor black Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weight 36,3 g/m Material jacket PUR Shore hardness jacket PUR Freedom from ingredients (jacker) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (facket) ± 5 % Material were invaliation PP Amount wires 4 Outer diameter tolerance core insulation ± 25 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient reeness wire insulation 70 ± 5 Shore D Ingredient reeness wire insulation 2 ± 5 % Dameter of single wires 0,1 mm Conductor type (wire) 5tranded copper wire, bare Conductor type (wire) <t< td=""></t<> |
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| Current load capacity min. wire 4,8 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 Good, application-related testing |
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| AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 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 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing |
| Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature |
| jacket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) B0 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing |
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| Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing |
| chemical resistance Good, application-related testing |
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| 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. |
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| Torsion stress ± 180 °/m |