

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

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

Male straight – female 90° M12 – M12, 4-pole 3× LED (PNP), (NPN) on request

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

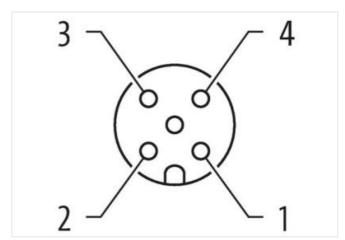
Plastic housings with good resistance against chemicals and oils.

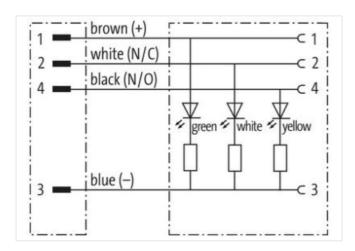
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

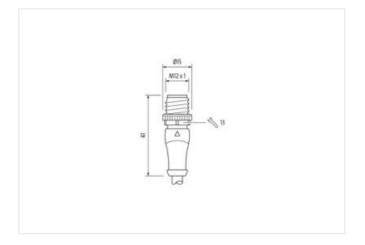
Link to Product

Illustration





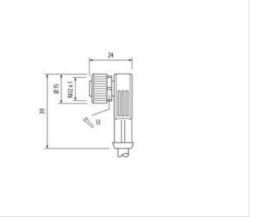






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Product may differ from Image











| Side 1 Tightening torque Mounting method Family construction form Thread Fuitable for corrugated tube (internal Ø) Material | 0,6 Nm inserted, screwed M12 M12 x 1 |
|---|--------------------------------------|
| Mounting method Family construction form Thread suitable for corrugated tube (internal Ø) | inserted, screwed M12 M12 x 1 |
| Family construction form Thread uitable for corrugated tube (internal Ø) | M12 M12 x 1 |
| hread suitable for corrugated tube (internal Ø) | M12 x 1 |
| uitable for corrugated tube (internal Ø) | |
| | 10 |
| <i>N</i> aterial | 10 mm |
| | PUR |
| Vidth across flats | SW13 |
| Degree of protection (EN IEC 60529) | IP65, IP66K, IP67 |
| Side 2 | |
| ightening torque | 0,6 Nm |
| Nounting method | inserted, screwed |
| amily construction form | M12 |
| hread | M12 x 1 |
| uitable for corrugated tube (internal Ø) | 10 mm |
| Material | PUR |
| Vidth across flats | SW13 |
| Degree of protection (EN IEC 60529) | IP65, IP66K, IP67 |
| Commercial data | |
| ECLASS-6.0 | 27279218 |
| CLASS-7.0 | 27279218 |
| ECLASS-8.0 | 27279218 |
| ECLASS-9.0 | 27060311 |
| ECLASS-10.1 | 27060311 |
| CLASS-11.1 | 27060311 |
| ECLASS-12.0 | 27060311 |
| ETIM-5.0 | EC001855 |
| sustoms tariff number | 85444290 |
| ATIN | 4048879436816 |
| Packaging unit | 1 |
| Electrical data Supply | |



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| Operating voltage DC | 24.14 |
|---|--|
| | 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 |
| 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 | safe-cover coated |
| Coating locking Coating of fitting | nickel plated |
| Locking material | Zinc die-casting |
| Material screw connection | Zinc die-casting Zinc die-casting |
| | Zino die-Gasting |
| 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 |
| Conformity | |
| Product standard | DIN EN 61076-2-101 (M12) |
| Installation Cable | |
| Cable identification | 054 |
| Cable Type | 5 |
| | 3 |
| Jacket Color | yellow |
| Jacket Color Type of Certificate | |
| | yellow |
| Type of Certificate | yellow cURus |
| Type of Certificate Amount stranding | yellow cURus 1 |
| Type of Certificate Amount stranding Stranding | yellow cURus 1 4 wires twisted |
| Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth | yellow cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m |
| Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) | yellow cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m PUR |
| Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket | yellow cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m PUR 58 ± 3 Shore D |
| Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) | yellow cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) | yellow cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,7 mm |
| Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) | yellow cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,7 mm ± 5 % |
| Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation | yellow cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free 4,7 mm ± 5 % PP |
| Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires | yellow cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free 4,7 mm ± 5 % PP |
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| Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation | yellow cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,7 mm ± 5 % PP 4 1,25 mm ± 5 % |
| Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation | yellow cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,7 mm ± 5 % PP 4 1,25 mm ± 5 % 74 ± 3 Shore D |
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| Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire) | yellow cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,7 mm ± 5 % PP 4 1,25 mm ± 5 % 74 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
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| Material conductor wire | Stranded copper wire, bare |
|---|--|
| Conductor type (wire) | strand class 6 |
| Traversing distance (C-track) | 5 m @ 25 °C horizontal |
| 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 |
| Nominal voltage power AC max. | 300 V |
| Power frequency withstand voltage power (wire - jacket) | 2,5 kV @ 60 s |
| AC withstand voltage power (wire - wire) | 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 torsion cycles | 1 Mio. |
| Torsion speed | 35 cycles/min |
| Torsion stress | ± 360 °/m |