

Vue d'ensemble

- M12, Female, A-coded, 4-poles; PUR, 1500 cm, free cable end
- Dragchain capable; suitable for robotics $\pm 180^\circ/\text{m}$
- Head A: IP65, IP66K, IP67
- Cable: good resistance against chemicals, flames, oils


Caractéristiques techniques

| Side A | | Cable | |
|-----------------------------------|---------------------------------------|---------------------------------|--------------------------|
| Head A: Connection | M12 | Length tolerance | $\pm 22,5$ cm |
| Head A: Angle cable outlet | 0° | Cable length | 1500 cm |
| Head A: Gender | Female | Acceleration (C-track) | max. 10 m/s ² |
| Head A: Coding | A | AWG | 22 |
| Head A: No. of poles | 4 | Bending radius (fixed) | min. 5 × outer diameter |
| Head A: LED | Oui | Torsion speed | max. 35 cycles/min |
| Head A: LED switching status | PNP | Bending radius (mobile) | min. 10 × outer diameter |
| Head A: Width across flats | AF13 | Cable type | 3 |
| Head A: Tightening torque | 0,6 Nm | Cable weight | approx. 36,3 g/m |
| Head A: Knurled nut material | Zinc-pressure die casting, surface Ni | Conductor structure | 42 × 0,1 mm |
| Head A: Body color | Transparent | Cable diameter | 4,5 mm $\pm 5\%$ |
| Head A: Gasket material | FKM | Conductor: Material | Copper, bare |
| Labeling sleeve side A | Yes | External sheath: Material | PUR |
| Side B | | Insulation: Material | PP |
| Head B: Connection | Open-ended wires | No. of bending cycles (C-track) | approx. 10000000 Cycles |
| Labeling sleeve side B | Yes | Nominal voltage | 300 V |
| Cables | | No. of torsion cycles | approx. 2000000 Cycles |
| Cable length | 1500 cm | Paired stranding | No |
| Length tolerance | $\pm 22,5$ cm | Single wire diameter | 0,1 mm |
| Stripping length | 20 mm | Cable: Test voltage | 2,5 kV |
| Shielded | No | Torsion stress in ° | $\pm 180^\circ/\text{m}$ |
| Conductor structure | 42 × 0,1 mm | Total stranding | 4 wires strand |
| AWG | 22 | Travel speed (C-track) | max. 3 m/s |
| External sheath: Material | PUR | Traversing path (horizontal) | max. 10 m |
| External sheath: Color | Black | Wire cross section | 0,34 mm ² |
| Cable diameter | 4,5 mm $\pm 5\%$ | Wire processing | No |
| Wire cross section | 0,34 mm ² | Wire diameter incl. isolation | 1,25 mm $\pm 5\%$ |
| Cable | | External sheath: Color | Black |
| External sheath: Shore hardness | 90 ± 5 A | Données électriques | |
| Cable: Temperature range (mobile) | - 25 ... + 80 °C | Operating voltage | 24 V DC $\pm 25\%$ |
| Cable: Temperature range (fixed) | - 40 ... + 80 °C | Nominal voltage | 300 V |
| Shielded | No | Contact resistance | max. 30 mOhm |
| Bending radius (fixed) | 22,5 mm | Operating current per contact | max. 4 A |
| Number of wires | 4 | Données mécaniques | |
| Number and diameter of wires | 4x0,34 | Head A: Degree of protection | IP65, IP66K, IP67 |
| | | Bending radius (mobile) | min. 10 × outer diameter |
| | | Bending radius (fixed) | min. 5 × outer diameter |

Caractéristiques techniques

Données mécaniques

| | |
|---------------------------------|--------------------------|
| No. of bending cycles (C-track) | approx. 10000000 Cycles |
| Torsion speed | max. 35 cycles/min |
| Torsion stress in ° | ± 180 °/m |
| No. of torsion cycles | approx. 2000000 Cycles |
| Acceleration (C-track) | max. 10 m/s ² |
| Travel speed (C-track) | max. 3 m/s |

Conditions ambiantes

| | |
|----------------------------------|-----------------|
| Temperature range (mobile) | - 25 ...+ 80 °C |
| Temperature range (fixed) | - 25 ...+ 80 °C |
| Cable: Temperature range (fixed) | - 40 ...+ 80 °C |
| Dragchain capable | Oui |

Conditions ambiantes

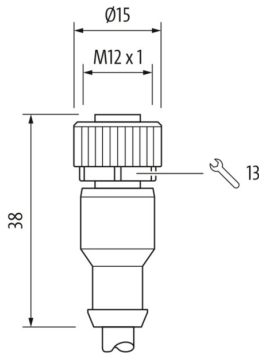
| | |
|-----------------------------------|---|
| Head A: Chemical resistance | No |
| Head A: Flame resistance | HB (UL 94) |
| Head A: Oil resistance | ASTM 1 oil, mineral oils, limited to hydraulic oils |
| Head A: Acid and alkali resistant | No |
| Head A: Pollution degree | 3 |
| Cable: Chemical resistance | Good (DIN EN 60811-404) |
| Cable: Flame resistance | Conform UL 1581 §1090 (H) |
| Cable: Oil resistance | Good (DIN EN 60811-404) |
| Cable: Silicone-free | Oui |

Commercial data

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|--------|----------|
| Eclass | 27060311 |
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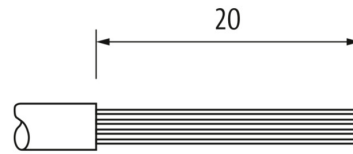
Side A

Technical drawing



Side B

Technical drawing



Coding

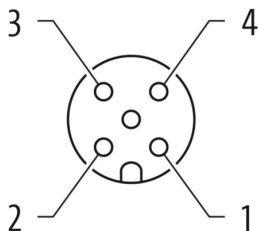


Schéma de raccordement

