

Vue d'ensemble

- M12, male, A-coded; 4-poles; TPE-S, 1500 cm; M12, female, A-coded; 4-poles
- Dragchain capable; suitable for robotics $\pm 180^\circ/m$; suitable for food & beverage
- Head A: IP65, IP68, IP69K
- ECOLAB tested
- Halogen free



Caractéristiques techniques

| Side A | |
|------------------------------|-----------------------|
| Head A: Connection | M12 |
| Head A: Angle cable outlet | 0° |
| Head A: Gender | Male |
| Head A: Coding | A |
| Head A: No. of poles | 4 |
| Head A: LED | No |
| Head A: Width across flats | AF14 |
| Head A: Tightening torque | 0,6 Nm |
| Head A: Knurled nut material | Stainless steel (V4A) |
| Head A: Body color | Blue |
| Labeling sleeve side A | No |

| Side B | |
|------------------------------|-----------------------|
| Head B: Connection | M12 |
| Head B: Angle cable outlet | 90° |
| Head B: Gender | Female |
| Head B: Coding | A |
| Head B: No. of poles | 4 |
| Head B: LED | No |
| Head B: Width across flats | AF14 |
| Head B: Tightening torque | 0,6 Nm |
| Head B: Knurled nut material | Stainless steel (V4A) |
| Head B: Body color | Blue |
| Head B: Gasket material | EPDM |
| Labeling sleeve side B | No |

| Cables | |
|---------------------------|----------------------|
| Cable length | 1500 cm |
| Shielded | No |
| Conductor structure | 42 x 0,1 mm |
| AWG | 22 |
| External sheath: Material | TPE-S |
| External sheath: Color | Blue |
| Cable diameter | 4,7 mm \pm 5% |
| Wire cross section | 0,34 mm ² |

| Cable | |
|-----------------------------------|------------------|
| Cable: Temperature range (mobile) | - 25 ...+ 105 °C |

| Cable | |
|------------------------------------|--------------------------|
| Cable: Temperature range (fixed) | - 40 ...+ 105 °C |
| Operating voltage (only UL listed) | 30 V AC/DC |
| Shielded | No |
| Bending radius (fixed) | 23,5 mm |
| Number of wires | 4 |
| Number and diameter of wires | 4x0,34 |
| Cable length | 1500 cm |
| Acceleration (C-track) | max. 10 m/s ² |
| AWG | 22 |
| Bending radius (fixed) | min. 5 x outer diameter |
| Torsion speed | max. 35 cycles/min |
| Bending radius (mobile) | min. 10 x outer diameter |
| Cable weight | approx. 29,7 g/m |
| Conductor structure | 42 x 0,1 mm |
| Cable diameter | 4,7 mm \pm 5% |
| Conductor: Material | Copper, bare |
| External sheath: Material | TPE-S |
| Insulation: Material | PP |
| No. of bending cycles (C-track) | approx. 400000 Cycles |
| Nominal voltage | 300 V AC |
| No. of torsion cycles | approx. 200000 Cycles |
| Paired stranding | No |
| Single wire diameter | 0,1 mm |
| Cable: Test voltage | 3 kV |
| Torsion stress in ° | $\pm 180^\circ/m$ |
| Total stranding | 4 wires strand |
| Travel speed (C-track) | max. 3 m/s |
| Traversing path (horizontal) | max. 10 m |
| Wire cross section | 0,34 mm ² |
| Wire processing | No |
| Wire diameter incl. isolation | 1,27 mm \pm 5% |
| External sheath: Color | Blue |

| Données électriques | |
|------------------------------------|------------|
| Operating voltage (only UL listed) | 30 V AC/DC |

2024-06-25 Les caractéristiques du produit et les données techniques spécifiées n'impliquent aucune garantie. Toute modification technique réservée.

Caractéristiques techniques
Données électriques

| | |
|-------------------------------|--------------|
| Nominal voltage | 300 V AC |
| Contact resistance | max. 30 mOhm |
| Operating current per contact | max. 4 A |

Données mécaniques

| | |
|---------------------------------|--------------------------|
| Head A: Degree of protection | IP65, IP68, IP69K |
| Head B: Degree of protection | IP65, IP68, IP69K |
| Bending radius (mobile) | min. 10 × outer diameter |
| Bending radius (fixed) | min. 5 × outer diameter |
| No. of bending cycles (C-track) | approx. 4000000 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

| | |
|----------------------------------|--|
| Cable: Temperature range (fixed) | - 40 ...+ 105 °C |
| Dragchain capable | Oui |
| Head A: Chemical resistance | Chemical resistance tested according to ECOLAB. If other media are used, the material resistance must be tested according to the application. |
| Head A: Flame resistance | HB (UL 94) |
| Head A: Oil resistance | Good resistance to ASTM 1 oil and mineral oils. Limited resistance to hydraulic oils. If other oils are used, the resistance must be checked in relation to the application. |

Conditions ambiantes

| | |
|-----------------------------------|--|
| Head A: Acid and alkali resistant | Chemical resistance tested according to ECOLAB. If other media are used, the material resistance must be tested according to the application. |
| Head A: Pollution degree | 3 |
| Head B: Chemical resistance | Chemical resistance tested according to ECOLAB. If other media are used, the material resistance must be tested according to the application. |
| Head B: Flame resistance | HB (UL 94) |
| Head B: Oil resistance | Good resistance to ASTM 1 oil and mineral oils. Limited resistance to hydraulic oils. If other oils are used, the resistance must be checked in relation to the application. |
| Head B: Acid and alkali resistant | Chemical resistance tested according to ECOLAB. If other media are used, the material resistance must be tested according to the application. |
| Head B: Pollution degree | 3 |
| Cable: Acid and alkali resistant | Good (analogue FDA 21 178.3620, 178.3297, 177.1520) |
| Cable: Silicone-free | Oui |

Commercial data

| | |
|--------|----------|
| Eclass | 27060311 |
|--------|----------|

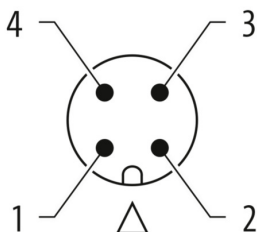
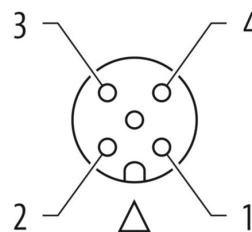
Side A
Coding

Side B
Coding


Schéma de raccordement

