

Vue d'ensemble

- M12, female, A-coded; 3-poles; TPE-S, 2500 cm, shielded, free cable end
- 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 | | Cable | |
|------------------------------------|-----------------------|------------------------------------|--------------------------|
| Head A: Connection | M12 | Number and diameter of wires | 3x0,34 |
| Head A: Angle cable outlet | 90° | Length tolerance | $\pm 37,5$ cm |
| Head A: Gender | Female | Cable length | 2500 cm |
| Head A: Coding | A | Acceleration (C-track) | max. 10 m/s ² |
| Head A: No. of poles | 3 | AWG | 22 |
| Head A: LED | No | Bending radius (fixed) | min. 5 × outer diameter |
| Head A: Width across flats | AF14 | Torsion speed | max. 35 cycles/min |
| Head A: Tightening torque | 0,6 Nm | Bending radius (mobile) | min. 10 × outer diameter |
| Head A: Knurled nut material | Stainless steel (V4A) | Cable weight | approx. 37,4 g/m |
| Head A: Body color | Blue | Conductor structure | 42 × 0,1 mm |
| Head A: Gasket material | EPDM | Cable diameter | 5,2 mm \pm 5% |
| Labeling sleeve side A | No | Conductor: Material | Copper, bare |
| Side B | | External sheath: Material | TPE-S |
| Head B: Connection | Open-ended wires | Insulation: Material | PP |
| Labeling sleeve side B | No | Shielding: Material | Copper, tinned |
| Cables | | No. of bending cycles (C-track) | approx. 4000000 Cycles |
| Cable length | 2500 cm | Nominal voltage | 300 V AC |
| Length tolerance | $\pm 37,5$ cm | No. of torsion cycles | approx. 2000000 Cycles |
| Stripping length | 20 mm | Paired stranding | No |
| Shielded | Oui | Single wire diameter | 0,1 mm |
| Conductor structure | 42 × 0,1 mm | Cable: Test voltage | 3 kV |
| AWG | 22 | Torsion stress in ° | $\pm 180^\circ/m$ |
| External sheath: Material | TPE-S | Total stranding | 3 wires strand |
| External sheath: Color | Blue | Travel speed (C-track) | max. 3 m/s |
| Cable diameter | 5,2 mm \pm 5% | Traversing path (horizontal) | max. 10 m |
| Wire cross section | 0,34 mm ² | Wire cross section | 0,34 mm ² |
| Cable | | Wire processing | No |
| Cable: Temperature range (mobile) | - 25 ...+ 105 °C | Wire diameter incl. isolation | 1,27 mm \pm 5% |
| Cable: Temperature range (fixed) | - 40 ...+ 105 °C | External sheath: Color | Blue |
| Operating voltage (only UL listed) | 30 V AC/DC | Données électriques | |
| Shielded | Oui | Operating voltage | max. 60 V AC/DC |
| Shielding: Covering | approx. 85 % | Operating voltage (only UL listed) | 30 V AC/DC |
| Bending radius (fixed) | 26 mm | Nominal voltage | 300 V AC |
| Number of wires | 3 | Contact resistance | max. 30 mOhm |

Caractéristiques techniques

Données électriques

Operating current per contact max. 4 A

Données mécaniques

Head A: 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/s²

Travel speed (C-track) max. 3 m/s

Conditions ambiantes

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

Temperature range (fixed) - 40 ...+ 105 °C

Cable: Temperature range (fixed) - 40 ...+ 105 °C

Conditions ambiantes

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 ASTM 1 oil, mineral oils, limited to hydraulic oils

Head A: Acid and alkali resistant ECOLAB tested

Head A: Pollution degree 3

Cable: Chemical resistance ECOLAB material resistance test passed

Cable: Acid and alkali resistant Good (FDA 21 178.3620, 178.3297, 177.1520, EU 10/2011)

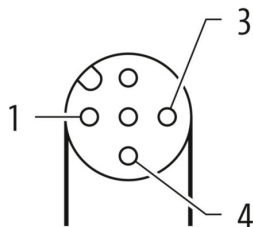
Cable: Silicone-free Oui

Commercial data

Eclass 27060311

Side A

Coding



Side B

Technical drawing

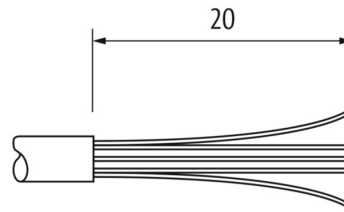
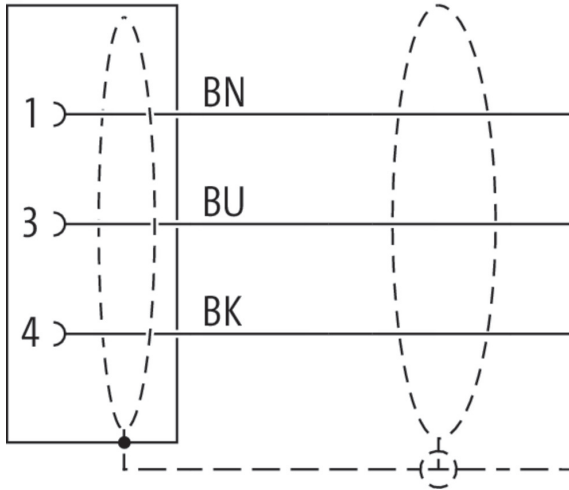


Schéma de raccordement



Dessin d'encombrement

