

Overview

- M8, female, A-coded, 3-poles; PUR, 500 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
- Halogen free


Technical data

| Side A | | Cable | |
|------------------------------------|---|------------------------------------|--------------------------|
| Head A: Connection | M8 | Cable length | 500 cm |
| Head A: Angle cable outlet | 0° | Acceleration (C-track) | max. 10 m/s ² |
| Head A: Gender | Female | AWG | 24 |
| Head A: Coding | A | Bending radius (fixed) | min. 5 × outer diameter |
| Head A: No. of poles | 3 | Torsion speed | max. 35 cycles/min |
| Head A: LED | No | Bending radius (mobile) | min. 10 × outer diameter |
| Head A: Width across flats | AF9 | Cable type | 3 |
| Head A: Tightening torque | 0.4 Nm | Cable weight | approx. 26.4 g/m |
| Head A: Knurled nut material | Zinc-pressure die casting, surface Ni-ial | Conductor structure | 32 × 0.1 mm |
| Head A: Body color | Black | Cable diameter | 4.1 mm ± 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 | 500 cm | Paired stranding | No |
| Length tolerance | ± 7.5 cm | Single wire diameter | 0.1 mm |
| Stripping length | 20 mm | Cable: Test voltage | 2.5 kV |
| Shielded | No | Torsion stress in ° | ± 180 °/m |
| Conductor structure | 32 × 0.1 mm | Total stranding | 3 wires strand |
| AWG | 24 | 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 | 0.25 mm ² |
| Cable diameter | 4.1 mm ± 5% | Wire processing | No |
| Wire cross section | 0.25 mm ² | Wire diameter incl. isolation | 1.25 mm ± 5% |
| Cable | | External sheath: Color | Black |
| Cable: Temperature range (mobile) | - 25 ...+ 80 °C | Electrical data | |
| Cable: Temperature range (fixed) | - 40 ...+ 80 °C | Operating voltage | max. 50 V AC / 60 V DC |
| Operating voltage (only UL listed) | 30 V AC/DC | Operating voltage (only UL listed) | 30 V AC/DC |
| Shielded | No | Nominal voltage | 300 V |
| Bending radius (fixed) | 20.5 mm | Contact resistance | max. 30 mOhm |
| Number of wires | 3 | Operating current per contact | max. 4 A |
| Number and diameter of wires | 3x0.25 | Mechanical data | |
| Length tolerance | ± 7.5 cm | Head A: Degree of protection | IP65, IP66K, IP67 |
| | | Bending radius (mobile) | min. 10 × outer diameter |

Technical data

Mechanical data

| | |
|---------------------------------|--------------------------|
| Bending radius (fixed) | min. 5 × outer diameter |
| 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 |

Environmental conditions

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

Environmental conditions

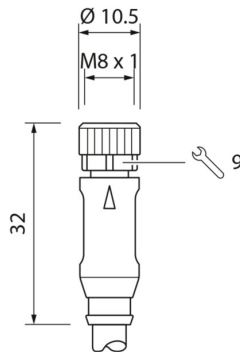
| | |
|-----------------------------------|---|
| Head A: Chemical resistance | No |
| Head A: Flame resistance | HB (UL 94) |
| Head A: Oil resistance | ASTM 1 oil, mineral oils, limited to hydraulic oils |
| Head A: Acid and alkali resistant | No |
| Head A: Pollution degree | 3 |
| Cable: Chemical resistance | Good (DIN EN 60811-404) |
| Cable: Flame resistance | Conform UL 1581 §1090 (H), CSA FT2, IEC 60332-2-2 |
| Cable: Oil resistance | Good (DIN EN 60811-404) |
| Cable: Silicone-free | Yes |

Commercial data

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

Side A

Technical drawing

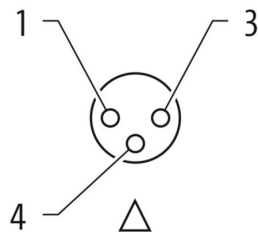


Side B

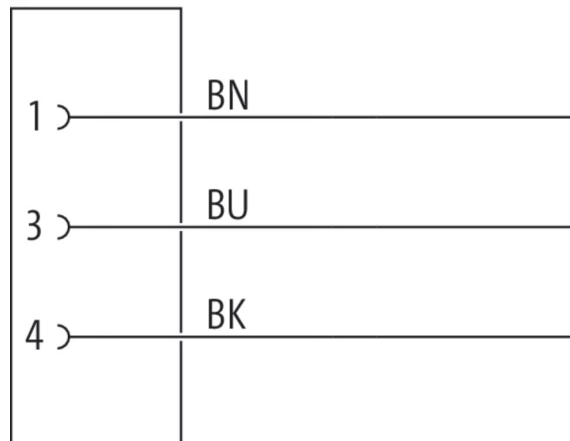
Technical drawing



Coding



Connection diagram



Dimension drawing

