

Overview

- M8, female, A-coded, 3-poles; PUR, 100 cm, shielded, free cable end
- Dragchain capable
- Head A: IP65, IP67
- Cable: good resistance against chemicals, flames, oils
- Halogen free



Technical data

| Side A | |
|------------------------------------|---------------------------------------|
| Head A: Connection | M8 |
| Head A: Angle cable outlet | 0° |
| Head A: Gender | Female |
| Head A: Coding | A |
| Head A: No. of poles | 3 |
| Head A: LED | No |
| Head A: Width across flats | AF9 |
| Head A: Tightening torque | 0.4 Nm |
| Head A: Knurled nut material | Zinc-pressure die casting, surface Ni |
| Head A: Body color | Black |
| Head A: Gasket material | FKM |
| Labeling sleeve side A | Yes |
| Side B | |
| Head B: Connection | Open-ended wires |
| Labeling sleeve side B | Yes |
| Cables | |
| Cable length | 100 cm |
| Length tolerance | + 5 cm |
| Stripping length | 20 mm |
| Shielded | Yes |
| Conductor structure | 42 × 0.1 mm |
| AWG | 22 |
| External sheath: Material | PUR |
| External sheath: Color | Black |
| Cable diameter | 5 mm ± 5% |
| Wire cross section | 0.34 mm ² |
| Electrical data | |
| Operating voltage | max. 50 V AC / 60 V DC |
| Operating voltage (only UL listed) | 30 V AC/DC |
| Nominal voltage | 300 V |
| Contact resistance | max. 30 mOhm |
| Operating current per contact | max. 4 A |

| Mechanical data | |
|-----------------------------------|-----------------------------------------------------|
| Head A: Degree of protection | IP65, IP67 |
| Bending radius (mobile) | min. 10 × outer diameter |
| Bending radius (fixed) | min. 5 × outer diameter |
| No. of bending cycles (C-track) | approx. 500000 Cycles |
| Torsion speed | max. 35 cycles/min |
| Torsion stress in ° | ± 30 °/m |
| No. of torsion cycles | approx. 200000 Cycles |
| Acceleration (C-track) | max. 5 m/s ² |
| Travel speed (C-track) | max. 3.3 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 |
| 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



Connection diagram



Coding



Dimension drawing



Side B

Technical drawing

