

Overview

- M12, Female, A-coded, 12-poles; PVC, 2500 cm, free cable end
- For static applications
- Head A: IP65, IP66K, IP67
- Cable: good resistance against chemicals, flames



Technical data

Side A

| | |
|------------------------------|---------------------------------------|
| Head A: Connection | M12 |
| Head A: Angle cable outlet | 0° |
| Head A: Gender | Female |
| Head A: Coding | A |
| Head A: No. of poles | 12 |
| Head A: LED | No |
| Head A: Width across flats | AF13 |
| Head A: Tightening torque | 0.6 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 | 2500 cm |
| Length tolerance | ± 37.5 cm |
| Stripping length | 80 mm |
| Shielded | No |
| Conductor structure | 18 × 0.1 mm |
| AWG | 26 |
| External sheath: Material | PVC |
| External sheath: Color | Black |
| Cable diameter | 6 mm ± 5% |
| Wire cross section | 0.14 mm ² |

Cable

| | |
|-----------------------------------|-----------------|
| External sheath: Shore hardness | 85 ± 5 A |
| Cable: Temperature range (mobile) | - 5 ...+ 80 °C |
| Cable: Temperature range (fixed) | - 30 ...+ 80 °C |
| Shielded | No |
| Bending radius (fixed) | 30 mm |
| Number of wires | 12 |
| Number and diameter of wires | 12x0.14 |
| Length tolerance | ± 37.5 cm |
| Cable length | 2500 cm |

Cable

| | |
|-------------------------------|---|
| AWG | 26 |
| Bending radius (fixed) | min. 5 × outer diameter |
| Bending radius (mobile) | min. 10 × outer diameter |
| Cable type | 1 |
| Cable weight | approx. 55 g/m |
| Conductor structure | 18 × 0.1 mm |
| Cable diameter | 6 mm ± 5% |
| Conductor: Material | Copper, bare |
| External sheath: Material | PVC |
| Insulation: Material | PVC |
| Nominal voltage | 300 V AC |
| Paired stranding | No |
| Single wire diameter | 0.1 mm |
| Cable: Test voltage | 2 kV 0 |
| Total stranding | 3 wires strand, above that 9 wires strand |
| Wire cross section | 0.14 mm ² |
| Wire processing | No |
| Wire diameter incl. isolation | 1.05 mm ± 5% |
| External sheath: Color | Black |

Electrical data

| | |
|-------------------------------|-------------------|
| Operating voltage | max. 30 V AC/DC 0 |
| Nominal voltage | 300 V AC |
| Contact resistance | max. 30 mOhm |
| Operating current per contact | max. 1.5 A |

Mechanical data

| | |
|------------------------------|--------------------------|
| Head A: Degree of protection | IP65, IP66K, IP67 |
| Bending radius (mobile) | min. 10 × outer diameter |
| Bending radius (fixed) | min. 5 × outer diameter |

Environmental conditions

| | |
|----------------------------------|-----------------|
| Temperature range (mobile) | - 5 ...+ 80 °C |
| Temperature range (fixed) | - 25 ...+ 80 °C |
| Cable: Temperature range (fixed) | - 30 ...+ 80 °C |
| Dragchain capable | No |
| Head A: Chemical resistance | No |
| Head A: Flame resistance | HB (UL 94) |

Technical data

Environmental conditions

| | |
|-----------------------------------|---|
| 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 |
| Cable: Flame resistance | Conform UL 1581 VW-1, CSA FT1, IEC 60332-1-2 |

Environmental conditions

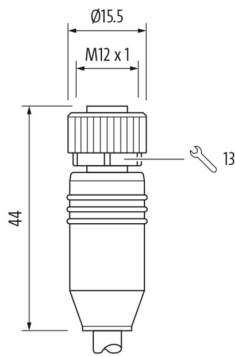
| | |
|-----------------------|------|
| Cable: Oil resistance | Good |
| Cable: Silicone-free | Yes |

Commercial data

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

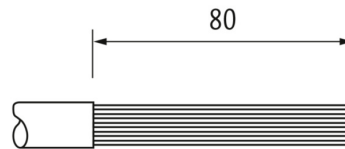
Side A

Technical drawing

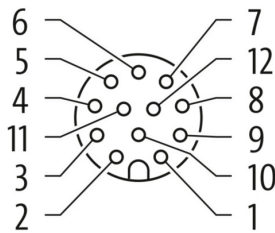


Side B

Technical drawing



Coding



Connection diagram

| | | |
|----|---|-------|
| 1 |) | BN |
| 2 |) | BU |
| 3 |) | WH |
| 4 |) | GN |
| 5 |) | PK |
| 6 |) | YE |
| 7 |) | BK |
| 8 |) | GY |
| 9 |) | RD |
| 10 |) | VT |
| 11 |) | GY PK |
| 12 |) | RD BU |