

Overview

- M12, male, A-coded, 5-poles; PUR, 100 cm; M12, female, 90°, A-coded, 5-poles
- Dragchain capable, suitable for robotics ± 180 °/m
- Head A: IP65, IP66K, IP67
- Cable: good resistance against chemicals, flames and oils
- Halogen free



Technical data

| Side A | | Cables | |
|------------------------------|---------------------------------------|---------------------------------|-----------------------------------|
| Head A: Connection | M12 | Wire cross section | 0.34 mm ² |
| Head A: Angle cable outlet | 0° | Cable | |
| Head A: Gender | Male | Shielded | No |
| Head A: Coding | A | Cable length | 100 cm |
| Head A: No. of poles | 5 | AWG | 22 |
| Head A: LED | No | Torsion speed | max. 35 cycles/min |
| Head A: Width across flats | AF13 | Cable type | 3 |
| Head A: Tightening torque | 0.6 Nm | Conductor: Material | Copper, bare |
| Head A: Knurled nut material | Zinc-pressure die casting, surface Ni | External sheath: Material | PUR |
| Head A: Body color | Black | Insulation: Material | PP |
| Labeling sleeve side A | Yes | Paired stranding | No |
| Side B | | Torsion stress in ° | ± 180 °/m |
| Head B: Connection | M12 | Total stranding | 5 wires strand around core-filler |
| Head B: Angle cable outlet | 90° | Wire cross section | 0.34 mm ² |
| Head B: Gender | Female | Wire processing | No |
| Head B: Coding | A | External sheath: Color | Black |
| Head B: No. of poles | 5 | Mechanical data | |
| Head B: LED | No | Head A: Degree of protection | IP65, IP66K, IP67 |
| Head B: Width across flats | AF13 | Head B: Degree of protection | IP65, IP66K, IP67 |
| Head B: Knurled nut material | Zinc-pressure die casting, surface Ni | Torsion speed | max. 35 cycles/min |
| Head B: Body color | Black | Torsion stress in ° | ± 180 °/m |
| Head B: Gasket material | FKM | Environmental conditions | |
| Labeling sleeve side B | Yes | Dragchain capable | Yes |
| Cables | | Head A: Chemical resistance | No |
| Cable length | 100 cm | Head A: Flame resistance | HB (UL 94) |
| Shielded | No | | |
| AWG | 22 | | |
| External sheath: Material | PUR | | |
| External sheath: Color | Black | | |

Technical data
Environmental conditions

| | |
|-----------------------------------|--|
| 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. |
| Head A: Acid and alkali resistant | No |
| Head A: Pollution degree | 3 |
| Head B: Chemical resistance | No |
| 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. |

Environmental conditions

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|-----------------------------------|---------------------------|
| Head B: Acid and alkali resistant | No |
| Head B: Pollution degree | 3 |
| Cable: Chemical resistance | Good (DIN EN 60811-404) |
| Cable: Flame resistance | Conform UL 1581 §1090 (H) |
| Cable: Oil resistance | Good (DIN EN 60811-404) |
| Cable: Silicone-free | Yes |

Commercial data

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| Eclass | 27060311 |
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