

Overview

- M12, Male, A-coded, 4-poles; PUR, 1000 cm, free cable end
- Dragchain capable
- Head A: IP65, IP66K, IP67
- Cable: good resistance against chemicals, flames, oils
- Halogen free



Technical data

Side A

Head A: Connection	M12
Head A: Angle cable outlet	0°
Head A: Gender	Male
Head A: Coding	A
Head A: No. of poles	4
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
Labeling sleeve side A	Yes

Side B

Head B: Connection	Open-ended wires
Labeling sleeve side B	Yes

Cables

Cable length	1000 cm
Length tolerance	± 15 cm
Stripping length	20 mm
Conductor structure	42 × 0.1 mm
AWG	22
External sheath: Material	PUR
Cable diameter	5.3 mm ± 5%
Wire cross section	0.34 mm ²

Cable

External sheath: Shore hardness	90 ± 5 A
Bending radius (fixed)	26.5 mm
Number of wires	4
Number and diameter of wires	4x0.34
Length tolerance	± 15 cm
Cable length	1000 cm
Acceleration (C-track)	max. 5 m/s ²
AWG	22
Bending radius (fixed)	min. 5 × outer diameter
Bending radius (mobile)	min. 10 × outer diameter
Cable type	3
Cable weight	approx. 50.6 g/m
Conductor structure	42 × 0.1 mm

Cable

Cable diameter	5.3 mm ± 5%
Conductor: Material	Copper, bare
External sheath: Material	PUR
Insulation: Material	PP
Shielding: Material	Copper, tinned
No. of bending cycles (C-track)	approx. 5000000
Nominal voltage	300 V
No. of torsion cycles	approx. 2000000
Paired stranding	No
Single wire diameter	0.1 mm
Cable: Test voltage	2 kV 0 kV AC core-core
Torsion stress in °	± 30 °/m
Total stranding	4 wires strand
Travel speed (C-track)	max. 3.3 m/s
Wire cross section	0.34 mm ²
Wire processing	No
Wire diameter incl. isolation	1.25 mm ± 5%

Electrical data

Operating voltage	max. 60 V AC/DC 0
Nominal voltage	300 V
Contact resistance	max. 30 mOhm
Operating current per contact	max. 4 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
No. of bending cycles (C-track)	approx. 5000000
Torsion stress in °	± 30 °/m
No. of torsion cycles	approx. 2000000
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
Dragchain capable	Yes

Technical data

Environmental conditions

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)

Environmental conditions

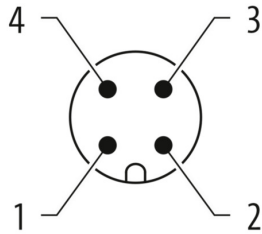
Cable: Silicone-free	Yes
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Commercial data

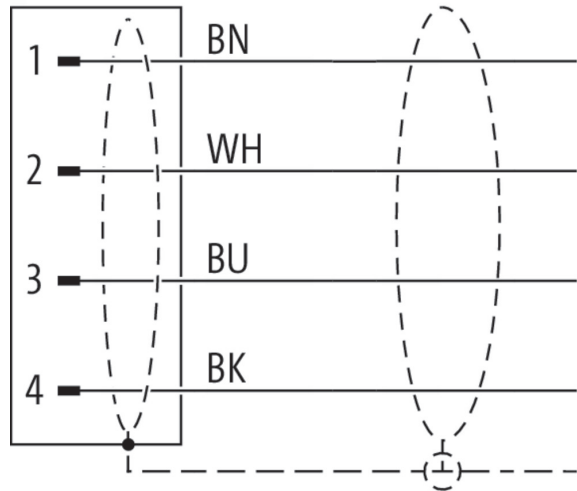
Eclass	27060311
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Side A

Coding



Connection diagram



Side B

Technical drawing

