

Overview

- M8, female, A-coded, 3-poles; PUR, 2500 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	90°
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
Head A: Contact layout pin 1	BN
Head A: Contact layout pin 3	BU
Head A: Contact layout pin 4	BK

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	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 mm²
Cable: Halogen free	Yes

Cable

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

Cable

Operating voltage (only UL listed)	30 V AC/DC
Shielded	Yes
Shielding: Covering	Approx. 80 %
Bending radius (fixed)	25 mm
Number of wires	3
Number and diameter of wires	3x0.34
Length tolerance	± 37.5 cm
Cable length	2500 cm
Acceleration (C-track)	Max. 5 m/s²
AWG	22
Bending radius (fixed)	Min. 5 × outer diameter
Torsion speed	Max. 35 cycles/min
Bending radius (mobile)	Min. 10 × outer diameter
Cable type	3
Cable weight	Approx. 44 g/m
Conductor structure	42 × 0.1 mm
Cable diameter	5 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 Cycles
Nominal voltage	300 V
No. of torsion cycles	Approx. 2000000 Cycles
Paired stranding	No
Single wire diameter	0.1 mm
Cable: Test voltage	2 kV AC core-core ; 2 kV AC core-shield
Torsion stress in °	± 30 °/m
Total stranding	3 wires strand
Travel speed (C-track)	Max. 3.3 m/s
Traversing path (horizontal)	Max. 5 m
Wire cross section	0.34 mm²
Wire processing	No
Wire diameter incl. isolation	1.25 mm ±5 %
External sheath: Color	Black

Technical data

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. 5000000 Cycles
Torsion speed	Max. 35 cycles/min
Torsion stress in °	± 30 °/m
No. of torsion cycles	Approx. 2000000 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
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Environmental conditions

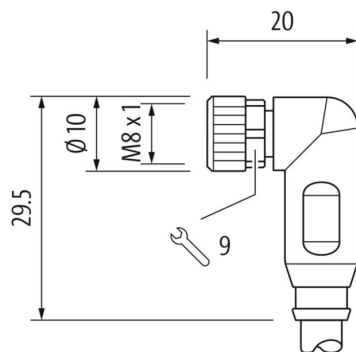
Temperature range (fixed)	- 25 ...+ 85 °C
Cable: Temperature range (fixed)	- 40 ...+ 80 °C
Dragchain capable	Yes
Head A: Chemical resistance	No
Head A: Flame resistance	HB (UL 94)
Head A: Oil resistance	ASTM 1 oil, mineral oils, limited to hydraulic oils
Head A: Acid and alkali resistant	No
Head A: Pollution 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
Cable: UV resistance	Yes

Commercial data

Eclass	27060311
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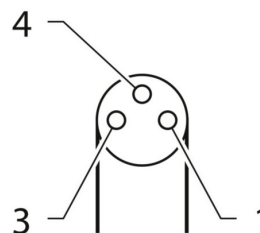
Side A

Technical drawing



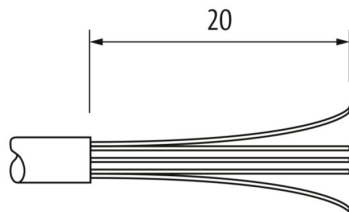
Side A

Coding

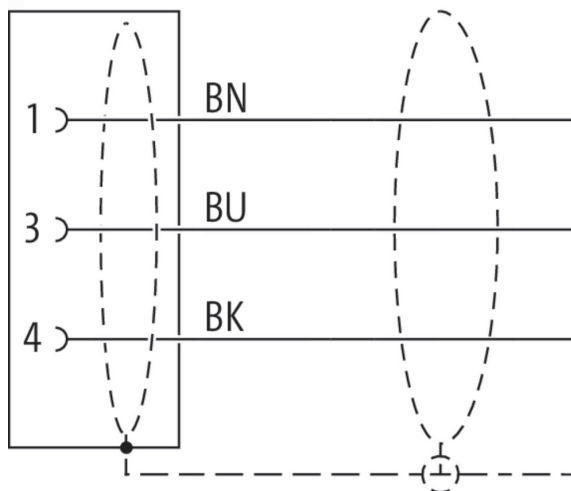


Side B

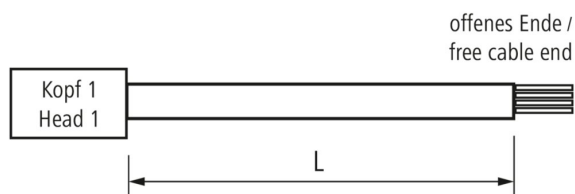
Technical drawing



Connection diagram



Dimension drawing



Dimension drawing

