

Overview

- M8, male, A-coded, 3-poles; PUR, 30 cm; M8, female, A-coded, 3-poles
- Dragchain capable; suitable for robotics $\pm 360^\circ/\text{m}$
- Head A: IP65, IP66K, IP67; Head B: IP65, IP66K, 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	Male
Head A: Coding	A
Head A: No. of poles	3
Head A: LED	No
Head A: Tightening torque	0.4 Nm
Head A: Body color	Black
Labeling sleeve side A	Yes

Side B

Head B: Connection	M8
Head B: Gender	Female
Head B: Coding	A
Head B: No. of poles	3
Head B: LED	No
Head B: Tightening torque	0.4 Nm
Head B: Knurled nut material	Zinc-pressure die casting, Ni plated, surface Safe-Cover silvergray matt
Head B: Body color	Black
Head B: Gasket material	FKM
Labeling sleeve side B	Yes
Head B: Contact layout pin 1	BN
Head B: Contact layout pin 3	BU
Head B: Contact layout pin 4	BK

Cables

Cable length	30 cm
Length tolerance	+ 3 cm
Conductor structure	42 × 0.1 mm
AWG	22
External sheath: Material	PUR
Cable diameter	4.3 mm ± 5%

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
Bending radius (fixed)	21.5 mm
Number of wires	3
Number and diameter of wires	3x0.34
Length tolerance	+ 3 cm
Cable length	30 cm
Acceleration (C-track)	max. 5 m/s ²
AWG	22
Bending radius (fixed)	min. 5 × outer diameter
Torsion speed	max. 35 cycles/min
Bending radius (mobile)	min. 10 × outer diameter
Cable weight	approx. 29.7 g/m
Conductor structure	42 × 0.1 mm
Cable diameter	4.3 mm ± 5%
External sheath: Material	PUR
No. of bending cycles (C-track)	approx. 10000000 Cycles
Nominal voltage	300 V
No. of torsion cycles	approx. 1000000 Cycles
Single wire diameter	0.1 mm
Cable: Test voltage	2.5 kV
Travel speed (C-track)	max. 3.3 m/s
Traversing path (horizontal)	max. 5 m
Wire diameter incl. isolation	1.25 mm ± 5%

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, IP66K, IP67
Head B: Degree of protection	IP65, IP66K, IP67
Bending radius (mobile)	min. 10 × outer diameter

Technical data

Mechanical data

Bending radius (fixed)	min. 5 × outer diameter
No. of bending cycles (C-track)	approx. 10000000 Cycles
Torsion speed	max. 35 cycles/min
No. of torsion cycles	approx. 1000000 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

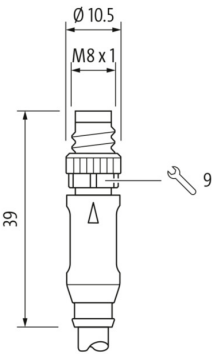
Temperature range (fixed)	- 25 ...+ 85 °C
Cable: Temperature range (fixed)	- 40 ...+ 80 °C
Head B: Pollution degree	3
Cable: UV resistance	Yes

Commercial data

Eclass	27060311
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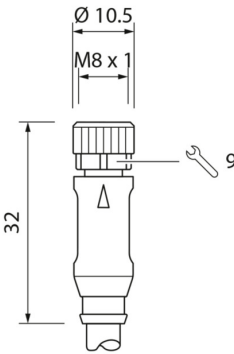
Side A

Technical drawing

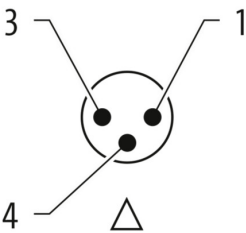


Side B

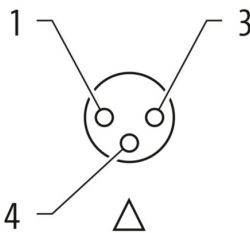
Technical drawing



Coding



Coding



Connection diagram

