

Overview

- M8, female, A-coded; 3-poles; PUR, 1500 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	0°
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	No

Side B

Head B: Connection	Open-ended wires
Labeling sleeve side B	No

Cables

Cable length	1500 cm
Length tolerance	± 22.5 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 mm ²

Cable

Cable: Temperature range (mobile)	- 25 ...+ 80 °C
Cable: Temperature range (fixed)	- 40 ...+ 80 °C
Operating voltage (only UL listed)	30 V AC/DC
Shielded	Yes
Shielding: Covering	approx. 80 %
Bending radius (fixed)	25 mm
Number of wires	3

Cable

Number and diameter of wires	3x0.34
Length tolerance	± 22.5 cm
Cable length	1500 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 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. 500000 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 mm ²
Wire processing	No
Wire diameter incl. isolation	1.25 mm ± 5%
External sheath: Color	Black

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

The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.

Technical data

Electrical data

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/s²

Travel speed (C-track) max. 3.3 m/s

Environmental conditions

Temperature range (mobile) - 25 ...+ 80 °C

Temperature range (fixed) - 25 ...+ 80 °C

Environmental conditions

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)

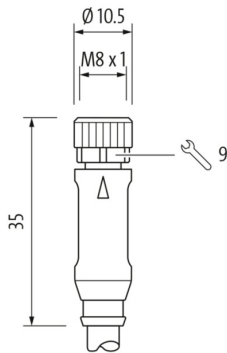
Cable: Silicone-free Yes

Commercial data

Eclass 27060311

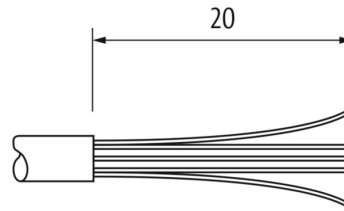
Side A

Technical drawing

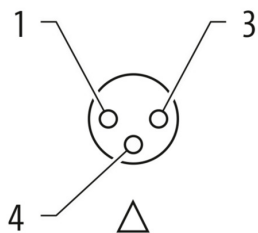


Side B

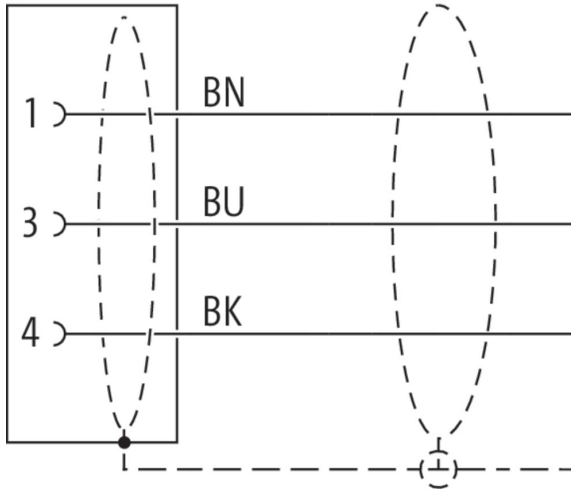
Technical drawing



Coding



Connection diagram



Dimension drawing

