

Overview

- M12, female, A-coded; 12-poles; PVC, 300 cm, free cable end
- Head A: IP65, IP66K, IP67
- Cable: good resistance against chemicals



Technical data

Side A

Head A: Connection	M12
Head A: Angle cable outlet	0°
Head A: Gender	Female
Head A: Coding	A
Head A: No. of poles	12
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
Head A: Gasket material	FKM
Labeling sleeve side A	Yes

Side B

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

Cables

Cable length	300 cm
Length tolerance	+ 10 cm
Stripping length	80 mm
Shielded	No
Conductor structure	18 × 0.1 mm
AWG	26
External sheath: Material	PVC
External sheath: Color	Black
Cable diameter	6 mm ± 5%
Wire cross section	0.14 mm ²

Cable

Cable: Temperature range (mobile)	- 5 ...+ 70 °C
Cable: Temperature range (fixed)	- 30 ...+ 70 °C
Shielded	No
Bending radius (fixed)	60 mm
Number of wires	12
Number and diameter of wires	12x0.14
Length tolerance	+ 10 cm
Cable length	300 cm
AWG	26
Bending radius (mobile)	min. 10 × outer diameter
Cable weight	approx. 55 g/m

Cable

Conductor structure	18 × 0.1 mm
Cable diameter	6 mm ± 5%
Conductor: Material	Copper, bare
External sheath: Material	PVC
Insulation: Material	PVC
No. of bending cycles (C-track)	Cycles
Nominal voltage	300 V
Paired stranding	No
Single wire diameter	0.1 mm
Cable: Test voltage	1.5 kV
Total stranding	3 wires strand, above that 9 wires strand in opposite direction
Wire cross section	0.14 mm ²
Wire processing	No
Wire diameter incl. isolation	1 mm ± 5%
External sheath: Color	Black

Electrical data

Operating voltage	max. 30 V AC/DC
Nominal voltage	300 V
Contact resistance	max. 30 mOhm
Operating current per contact	max. 1.5 A

Mechanical data

Head A: Degree of protection	IP65, IP66K, IP67
Bending radius (mobile)	min. 10 × outer diameter
No. of bending cycles (C-track)	Cycles

Environmental conditions

Temperature range (mobile)	- 5 ...+ 70 °C
Temperature range (fixed)	- 25 ...+ 70 °C
Cable: Temperature range (fixed)	- 30 ...+ 70 °C
Dragchain capable	No
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

Technical data

Environmental conditions

Head A: Pollution degree	3
Cable: Chemical resistance	Good
Cable: Oil resistance	Good

Environmental conditions

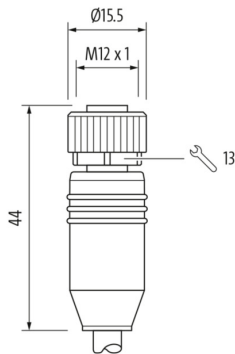
Cable: Silicone-free	Yes
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Commercial data

Eclass	27060311
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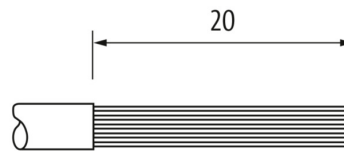
Side A

Technical drawing

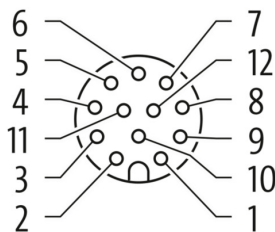


Side B

Technical drawing



Coding



Connection diagram

1)	BN
2)	BU
3)	WH
4)	GN
5)	PK
6)	YE
7)	BK
8)	GY
9)	RD
10)	VT
11)	GY PK
12)	RD BU