

Overview

- M12, Female, A-coded, 12-poles; PVC, 100 cm, free cable end
- For static applications
- Head A: IP65, IP66K, IP67
- Cable: good resistance against chemicals, flames, oils


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	SW13
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	100 cm
Length tolerance	+ 5 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

Electrical data

Operating voltage	max. 30 V AC/DC 0
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Electrical data

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

Mechanical data

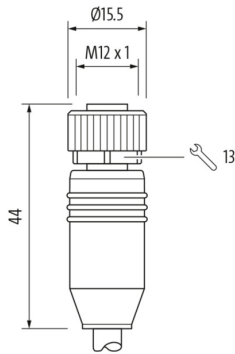
Head A: Degree of protection	IP65, IP66K, IP67
Bending radius (mobile)	min. 10 × outer diameter
Bending radius (fixed)	min. 5 × outer diameter

Environmental conditions

Temperature range (mobile)	- 5 ... + 80 °C
Temperature range (fixed)	- 25 ... + 80 °C
Cable: Temperature range (fixed)	- 30 ... + 80 °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
Head A: Pollution degree	3
Cable: Chemical resistance	Good
Cable: Flame resistance	Conform UL 1581 VW-1; CSA FT1; IEC 60332-1-2
Cable: Oil resistance	Good
Cable: Silicone-free	Yes

Side A

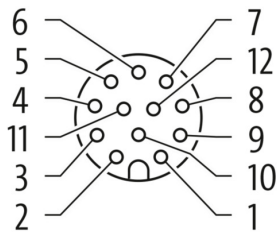
Technical drawing



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

Coding



Side B

Technical drawing

