

Overview

- M12, Male, A-coded, 4-poles; PVC, shielded, 500 cm, free cable end
- For static applications
- Head A: IP65, IP66K, IP67
- Cable: good resistance against chemicals, flames



Technical data

Side A

Head A: Connection	M12
Head A: Angle cable outlet	0°
Head A: Gender	Male
Head A: Coding	A
Head A: No. of poles	4
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
Labeling sleeve side A	Yes

Side B

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

Cables

Cable length	500 cm
Length tolerance	± 7.5 cm
Stripping length	20 mm
Shielded	Yes
Conductor structure	19 × 0.15 mm
AWG	22
External sheath: Material	PVC
External sheath: Color	Black
Cable diameter	5.3 mm ± 5%
Wire cross section	0.34 mm ²

Cable

External sheath: Shore hardness	85 ± 5 A
Cable: Temperature range (mobile)	- 5 ...+ 80 °C
Cable: Temperature range (fixed)	- 30 ...+ 80 °C
Operating voltage (only UL listed)	30 V AC/DC
Shielded	Yes
Shielding: Covering	approx. 80 %
Bending radius (fixed)	53 mm
Number of wires	4
Number and diameter of wires	4x0.34

Cable

Length tolerance	± 7.5 cm
Cable length	500 cm
AWG	22
Bending radius (fixed)	min. 10 × outer diameter
Cable type	1
Cable weight	approx. 58.3 g/m
Conductor structure	19 × 0.15 mm
Cable diameter	5.3 mm ± 5%
Conductor: Material	Copper, bare
External sheath: Material	PVC
Insulation: Material	PVC
Shielding: Material	Copper, tinned
Nominal voltage	300 V AC
Paired stranding	No
Single wire diameter	0.15 mm
Cable: Test voltage	2 kV 0
Total stranding	4 wires strand
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. 60 V AC/DC 0
Operating voltage (only UL listed)	30 V AC/DC
Nominal voltage	300 V AC
Contact resistance	max. 30 mOhm
Operating current per contact	max. 4 A

Mechanical data

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

Technical data

Environmental conditions

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

Environmental conditions

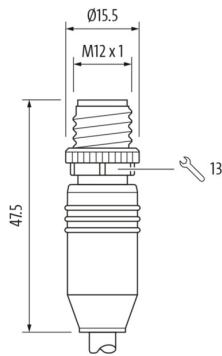
Cable: Chemical resistance	Good
Cable: Flame resistance	Conform UL 1581 VW-1, CSA FT1, IEC 60332-1-2
Cable: Oil resistance	Good
Cable: Silicone-free	Yes

Commercial data

Eclass	27060311
--------	----------

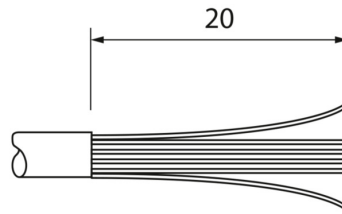
Side A

Technical drawing

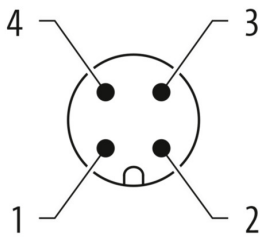


Side B

Technical drawing



Coding



Connection diagram

