

Overview

- M12, female, A-coded, 4-poles; PUR, 200 cm, shielded, free cable end
- Dragchain capable
- Head A: IP65, IP66K, IP67
- Cable: good resistance against chemicals, flames, oils
- Halogen free



Technical data

Side A		Cable	
Head A: Connection	M12	Cable: Temperature range (fixed)	- 40 ...+ 80 °C
Head A: Angle cable outlet	0°	Operating voltage (only UL listed)	30 V AC/DC
Head A: Gender	Female	Shielded	Yes
Head A: Coding	A	Shielding: Covering	approx. 80 %
Head A: No. of poles	4	Bending radius (fixed)	26.5 mm
Head A: LED	No	Number of wires	4
Head A: Width across flats	AF13	Number and diameter of wires	4x0.34
Head A: Tightening torque	0.6 Nm	Length tolerance	+ 10 cm
Head A: Knurled nut material	Zinc-pressure die casting, surface Ni	Cable length	200 cm
Head A: Body color	Black	Acceleration (C-track)	max. 5 m/s ²
Head A: Gasket material	FKM	AWG	22
Labeling sleeve side A	Yes	Bending radius (fixed)	min. 5 × outer diameter
Head A: Contact layout pin 1	BN	Torsion speed	max. 35 cycles/min
Head A: Contact layout pin 2	WH	Bending radius (mobile)	min. 10 × outer diameter
Head A: Contact layout pin 3	BU	Cable type	3
Head A: Contact layout pin 4	BK	Cable weight	approx. 50.6 g/m
Side B		Conductor structure	42 × 0.1 mm
Head B: Connection	Open-ended wires	Cable diameter	5.3 mm ± 5%
Labeling sleeve side B	Yes	Conductor: Material	Copper, bare
Cables		External sheath: Material	PUR
Cable length	200 cm	Insulation: Material	PP
Length tolerance	+ 10 cm	Shielding: Material	Copper, tinned
Stripping length	20 mm	No. of bending cycles (C-track)	approx. 5000000 Cycles
Shielded	Yes	Nominal voltage	300 V
Conductor structure	42 × 0.1 mm	No. of torsion cycles	approx. 2000000 Cycles
AWG	22	Paired stranding	No
External sheath: Material	PUR	Single wire diameter	0.1 mm
External sheath: Color	Black	Cable: Test voltage	2 kV AC core-core ; 2 kV AC core-shield
Cable diameter	5.3 mm ± 5%	Torsion stress in °	± 30 °/m
Wire cross section	0.34 mm ²	Total stranding	4 wires strand
Cable: Halogen free	Yes	Travel speed (C-track)	max. 3.3 m/s
Cable		Traversing path (horizontal)	max. 5 m
Cable: Temperature range (mobile)	- 25 ...+ 80 °C	Wire cross section	0.34 mm ²
		Wire processing	No
		Wire diameter incl. isolation	1.25 mm ± 5%

The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change. 2025-07-29

Technical data

Cable

External sheath: Color Black

Electrical data

Operating voltage max. 60 V AC/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

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

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

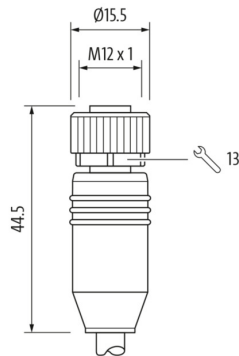
Cable: UV resistance Yes

Commercial data

Eclass 27060311

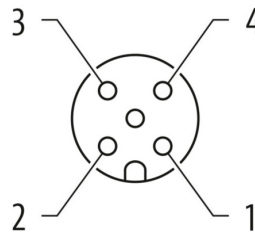
Side A

Technical drawing



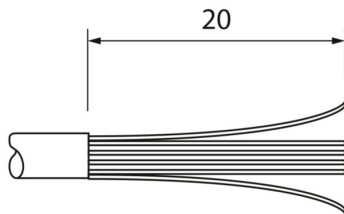
Side A

Coding

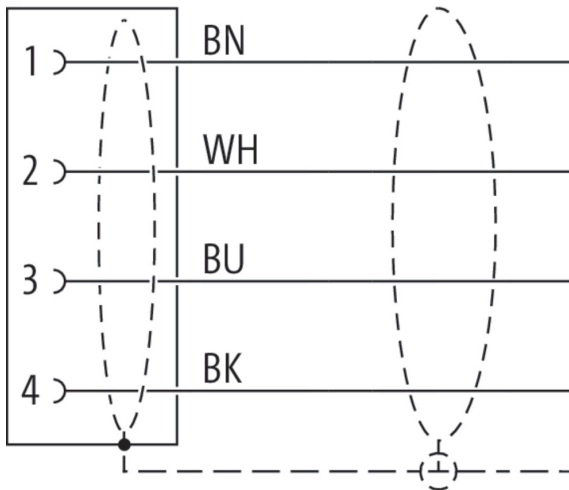


Side B

Technical drawing



Connection diagram



Dimension drawing

