

Overview

- M12, female, A-coded, 5-poles; PUR, 2500 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 (mobile)	- 25 ...+ 80 °C
Head A: Angle cable outlet	0°	Cable: Temperature range (fixed)	- 40 ...+ 80 °C
Head A: Gender	Female	Operating voltage (only UL listed)	30 V AC/DC
Head A: Coding	A	Shielded	Yes
Head A: No. of poles	5	Shielding: Covering	approx. 80 %
Head A: LED	No	Bending radius (fixed)	28 mm
Head A: Width across flats	AF13	Number of wires	5
Head A: Tightening torque	0.6 Nm	Number and diameter of wires	5x0.34
Head A: Knurled nut material	Zinc-pressure die casting, surface Ni	Length tolerance	± 37.5 cm
Head A: Body color	Black	Cable length	2500 cm
Head A: Gasket material	FKM	Acceleration (C-track)	max. 5 m/s²
Labeling sleeve side A	Yes	AWG	22
Head A: Contact layout pin 1	BN	Bending radius (fixed)	min. 5 × outer diameter
Head A: Contact layout pin 2	WH	Torsion speed	max. 35 cycles/min
Head A: Contact layout pin 3	BU	Bending radius (mobile)	min. 10 × outer diameter
Head A: Contact layout pin 4	BK	Cable type	3
Head A: Contact layout pin 5	GY	Cable weight	approx. 57.2 g/m
Side B		Conductor structure	42 × 0.1 mm
Head B: Connection	Open-ended wires	Cable diameter	5.6 mm ± 5%
Labeling sleeve side B	Yes	Conductor: Material	Copper, bare
Cables		External sheath: Material	PUR
Cable length	2500 cm	Insulation: Material	PP
Length tolerance	± 37.5 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	5.6 mm ± 5%	Torsion stress in °	± 30 °/m
Wire cross section	0.34 mm²	Total stranding	5 wires strand around core-filler
Cable: Halogen free	Yes	Travel speed (C-track)	0
		Traversing path (horizontal)	max. 5 m
		Wire cross section	0.34 mm²

Technical data

Cable

Wire processing	No
Wire diameter incl. isolation	1.25 mm ± 5%
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/s ²
Travel speed (C-track)	0

Environmental conditions

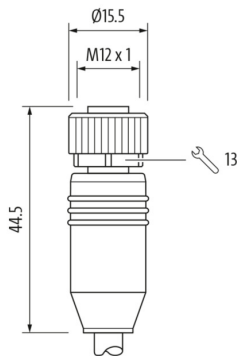
Temperature range (mobile)	- 25 ...+ 80 °C
Temperature range (fixed)	- 25 ...+ 80 °C
Cable: Temperature range (fixed)	- 40 ...+ 80 °C
Dragchain capable	Yes
Head A: Chemical resistance	No
Head A: Flame resistance	HB (UL 94)
Head A: Oil resistance	ASTM 1 oil, mineral oils, limited to hydraulic oils
Head 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
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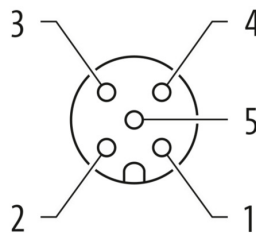
Side A

Technical drawing



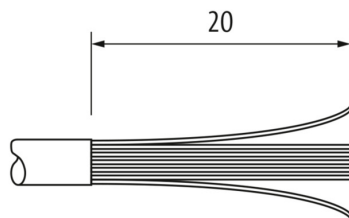
Side A

Coding

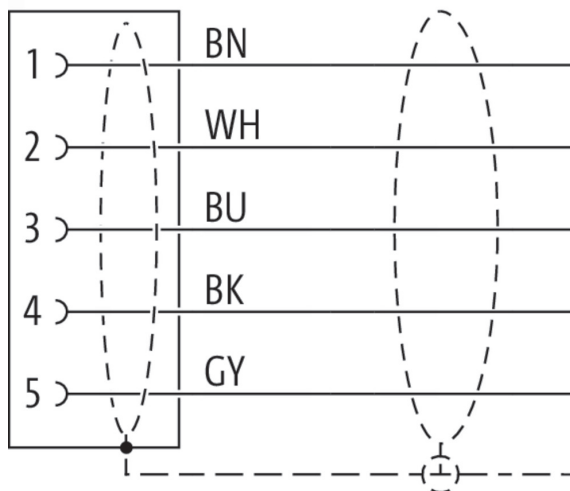


Side B

Technical drawing



Connection diagram



Dimension drawing

