

Vue d'ensemble

- M12, Female, A-coded, 12-poles; PUR, 100 cm, free cable end
- Dragchain capable; suitable for robotics $\pm 180^\circ/\text{m}$
- Head A: IP65, IP66K, IP67
- Cable: good resistance against chemicals, flames, oils
- Halogen free


Caractéristiques techniques
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	100 cm
Length tolerance	+ 5 cm
Stripping length	80 mm
Shielded	No
Conductor structure	18 × 0,1 mm
AWG	26
External sheath: Material	PUR
External sheath: Color	Black
Cable diameter	6 mm ± 5%
Wire cross section	0,14 mm ²

Cable

External sheath: Shore hardness	92 ± 5 A
Cable: Temperature range (mobile)	- 25 ... + 85 °C
Cable: Temperature range (fixed)	- 40 ... + 85 °C
Shielded	No
Bending radius (fixed)	45 mm
Number of wires	12
Number and diameter of wires	12x0,14
Length tolerance	+ 5 cm

Cable

Cable length	100 cm
Acceleration (C-track)	max. 5 m/s ²
AWG	26
Bending radius (fixed)	min. 7,5 × outer diameter
Torsion speed	max. 35 cycles/min
Bending radius (mobile)	min. 10 × outer diameter
Cable weight	approx. 45,1 g/m
Conductor structure	18 × 0,1 mm
Cable diameter	6 mm ± 5%
Conductor: Material	Copper, bare
External sheath: Material	PUR
Insulation: Material	PP
No. of bending cycles (C-track)	approx. 2000000 Cycles
Nominal voltage	300 V
No. of torsion cycles	approx. 2000000 Cycles
Paired stranding	No
Single wire diameter	0,1 mm
Cable: Test voltage	1,5 kV 0
Torsion stress in °	± 180 °/m
Total stranding	3 wires strand, above that 9 wires strand
Travel speed (C-track)	max. 3,3 m/s
Traversing path (horizontal)	max. 5 m
Wire cross section	0,14 mm ²
Wire processing	No
Wire diameter incl. isolation	1 mm ± 5%
External sheath: Color	Black

Données électriques

Operating voltage	max. 30 V AC/DC 0
Nominal voltage	300 V
Contact resistance	max. 30 mOhm
Operating current per contact	max. 1,5 A

Données mécaniques

Head A: Degree of protection	IP65, IP66K, IP67
Bending radius (mobile)	min. 10 × outer diameter
Bending radius (fixed)	min. 7,5 × outer diameter
No. of bending cycles (C-track)	approx. 2000000 Cycles

Caractéristiques techniques

Données mécaniques

Torsion speed	max. 35 cycles/min
Torsion stress in °	± 180 °/m
No. of torsion cycles	approx. 2000000 Cycles
Acceleration (C-track)	max. 5 m/s ²
Travel speed (C-track)	max. 3,3 m/s

Conditions ambiantes

Temperature range (mobile)	- 25 ...+ 85 °C
Temperature range (fixed)	- 25 ...+ 85 °C
Cable: Temperature range (fixed)	- 40 ...+ 85 °C
Dragchain capable	Oui
Head A: Chemical resistance	No

Conditions ambiantes

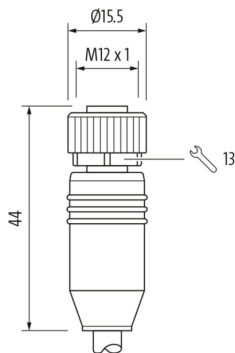
Head A: Flame resistance	HB (UL 94)
Head A: Oil resistance	ASTM 1 oil, mineral oils, limited to hydraulic oils
Head A: Acid and alkali resistant	No
Head A: Pollution degree	3
Cable: Chemical resistance	Good (VDE 0472 part 803)
Cable: Flame resistance	Conform VDE 0472 part 804 test type B, IEC 60332-2
Cable: Oil resistance	Good (VDE 0472 part 803)
Cable: Silicone-free	Oui

Commercial data

Eclass	27060311
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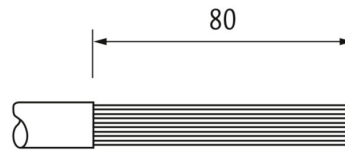
Side A

Technical drawing



Side B

Technical drawing



Coding

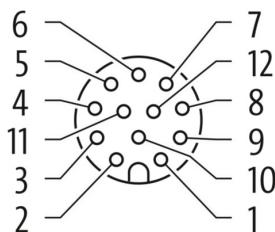


Schéma de raccordement

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