

Vue d'ensemble

- M12, male, L-coded, 5-poles; PUR, 500 cm; M12, female, L-coded, 5-poles
- Dragchain capable; suitable for robotics ± 180 °/m
- Head A: IP65, IP67; Head B: IP65, IP67
- Cable: good resistance against chemicals, flames, oils
- Halogen free



Caractéristiques techniques

Side A		Cable	
Head A: Connection	M12	Cable: Temperature range (fixed)	- 50 ...+ 80 °C
Head A: Angle cable outlet	0°	Shielded	No
Head A: Gender	Male	Bending radius (fixed)	65,25 mm
Head A: Coding	L	Number of wires	5
Head A: No. of poles	5	Number and diameter of wires	5x1,5
Head A: LED	No	Length tolerance	$\pm 7,5$ cm
Head A: Width across flats	AF17	Cable length	500 cm
Head A: Tightening torque	0,6 Nm	Acceleration (C-track)	max. 5 m/s ²
Head A: Knurled nut material	Zinc-pressure die casting, surface Ni	AWG	16
Head A: Body color	Black	Bending radius (fixed)	min. 7,5 × outer diameter
Labeling sleeve side A	Yes	Torsion speed	max. 35 cycles/min
Side B		Bending radius (mobile)	min. 10 × outer diameter
Head B: Connection	M12	Cable type	3
Head B: Angle cable outlet	0°	Cable weight	approx. 129,8 g/m
Head B: Gender	Female	Conductor structure	84 × 0,15 mm
Head B: Coding	L	Cable diameter	8,7 mm $\pm 5\%$
Head B: No. of poles	5	Conductor: Material	Copper, bare
Head B: LED	No	External sheath: Material	PUR
Head B: Width across flats	AF17	Insulation: Material	PP
Head B: Tightening torque	0,6 Nm	No. of bending cycles (C-track)	approx. 5000000 Cycles
Head B: Knurled nut material	Zinc-pressure die casting, surface Ni	Nominal voltage	1000 V AC
Head B: Body color	Black	No. of torsion cycles	approx. 2000000 Cycles
Head B: Gasket material	FKM	Paired stranding	No
Labeling sleeve side B	Yes	Single wire diameter	0,15 mm
Cables		Cable: Test voltage	10 kV
Cable length	500 cm	Torsion stress in °	± 180 °/m
Length tolerance	$\pm 7,5$ cm	Total stranding	5 wires strand around core-filler
Shielded	No	Travel speed (C-track)	max. 3,3 m/s
Conductor structure	84 × 0,15 mm	Traversing path (horizontal)	max. 5 m
AWG	16	Wire cross section	1.5 mm ²
External sheath: Material	PUR	Wire processing	No
External sheath: Color	Black	Wire diameter incl. isolation	2,3 mm $\pm 5\%$
Cable diameter	8,7 mm $\pm 5\%$	External sheath: Color	Black
Wire cross section	1.5 mm ²	Données électriques	
Cable		Operating voltage	max. 63 V DC
Cable: Temperature range (mobile)	- 20 ...+ 80 °C	Nominal voltage	1000 V AC

2024-06-25 Les caractéristiques du produit et les données techniques spécifiées n'impliquent aucune garantie. Toute modification technique réservée.

Caractéristiques techniques

Données électriques

Contact resistance	max. 30 mOhm
Operating current per contact	max. 12 A

Données mécaniques

Head A: Degree of protection	IP65, IP67
Head B: Degree of protection	IP65, IP67
Bending radius (mobile)	min. 10 × outer diameter
Bending radius (fixed)	min. 7,5 × outer diameter
No. of bending cycles (C-track)	approx. 5000000 Cycles
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)	- 20 ...+ 80 °C
Temperature range (fixed)	- 25 ...+ 80 °C
Cable: Temperature range (fixed)	- 50 ...+ 80 °C

Conditions ambiantes

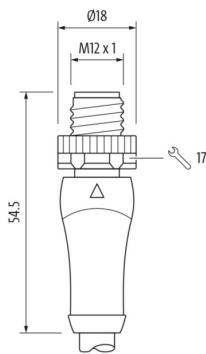
Dragchain capable	Oui
Head A: Chemical resistance	No
Head A: Flame resistance	V-2 (UL 94)
Head A: Acid and alkali resistant	No
Head A: Pollution degree	3
Head B: Chemical resistance	No
Head B: Flame resistance	V-2 (UL 94)
Head B: Acid and alkali resistant	No
Head B: Pollution degree	3
Cable: Chemical resistance	Good (DIN EN 60811-404)
Cable: Flame resistance	Conform UL 1581 VW-1, CSA FT1, IEC 60332-1, IEC 60332-2-2
Cable: Oil resistance	Good (DIN EN 60811-404)
Cable: Silicone-free	Oui

Commercial data

Eclass	27060311
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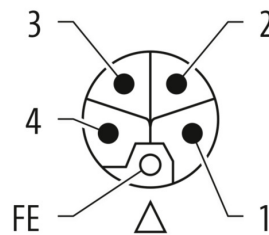
Side A

Technical drawing



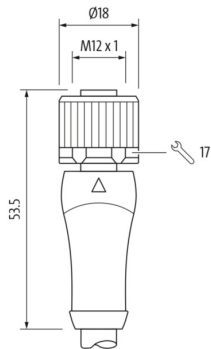
Side A

Coding

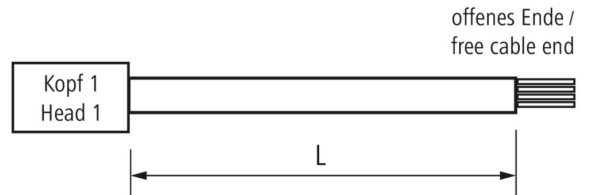


Side B

Technical drawing



Dessin d'encombrement



Coding

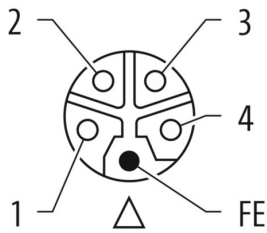


Schéma de raccordement

