

**Vue d'ensemble**

- M12, male, A-coded, 3-poles; PUR, 2000 cm; M8, female, A-coded, 3-poles
- Dragchain capable; suitable for robotics  $\pm 180^\circ/\text{m}$
- Head A: IP65, IP66K, IP67; Head B: IP65, IP66K, IP67
- Cable: good resistance against chemicals, flames, oils


**Caractéristiques techniques**

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	Male	Shielded	No
Head A: Coding	A	Bending radius (fixed)	20,5 mm
Head A: No. of poles	3	Number of wires	3
Head A: LED	No	Number and diameter of wires	3x0,25
Head A: Width across flats	AF13	Length tolerance	$\pm 30$ cm
Head A: Tightening torque	0,6 Nm	Cable length	2000 cm
Head A: Knurled nut material	Zinc-pressure die casting, surface Ni	Acceleration (C-track)	max. 10 m/s <sup>2</sup>
Head A: Body color	Black	AWG	24
Labeling sleeve side A	Yes	Bending radius (fixed)	min. 5 × outer diameter
<b>Side B</b>		Torsion speed	max. 35 cycles/min
Head B: Connection	M8	Bending radius (mobile)	min. 10 × outer diameter
Head B: Angle cable outlet	0°	Cable type	3
Head B: Gender	Female	Cable weight	approx. 26,4 g/m
Head B: Coding	A	Conductor structure	32 × 0,1 mm
Head B: No. of poles	3	Cable diameter	4,1 mm $\pm 5\%$
Head B: LED	Oui	Conductor: Material	Copper, bare
Head B: LED switching status	PNP	External sheath: Material	PUR
Head B: Width across flats	AF9	Insulation: Material	PP
Head B: Tightening torque	0,4 Nm	No. of bending cycles (C-track)	approx. 10000000 Cycles
Head B: Knurled nut material	Zinc-pressure die casting, surface Ni	Nominal voltage	300 V
Head B: Body color	Transparent	No. of torsion cycles	approx. 2000000 Cycles
Head B: Gasket material	FKM	Paired stranding	No
Labeling sleeve side B	Yes	Single wire diameter	0,1 mm
<b>Cables</b>		Cable: Test voltage	2,5 kV
Cable length	2000 cm	Torsion stress in °	$\pm 180^\circ/\text{m}$
Length tolerance	$\pm 30$ cm	Total stranding	3 wires strand
Shielded	No	Travel speed (C-track)	max. 3 m/s
Conductor structure	32 × 0,1 mm	Traversing path (horizontal)	max. 10 m
AWG	24	Wire cross section	0,25 mm <sup>2</sup>
External sheath: Material	PUR	Wire processing	No
External sheath: Color	Black	Wire diameter incl. isolation	1,25 mm $\pm 5\%$
Cable diameter	4,1 mm $\pm 5\%$	External sheath: Color	Black
Wire cross section	0,25 mm <sup>2</sup>	<b>Données électriques</b>	
		Operating voltage	24 V DC $\pm 25\%$

**Caractéristiques techniques**

**Données électriques**

Nominal voltage	300 V
Contact resistance	max. 30 mOhm
Operating current per contact	max. 4 A

**Données mécaniques**

Head A: Degree of protection	IP65, IP66K, IP67
Head B: 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. 10000000 Cycles
Torsion speed	max. 35 cycles/min
Torsion stress in °	± 180 °/m
No. of torsion cycles	approx. 2000000 Cycles
Acceleration (C-track)	max. 10 m/s <sup>2</sup>
Travel speed (C-track)	max. 3 m/s

**Conditions ambiantes**

Temperature range (mobile)	- 25 ...+ 80 °C
Temperature range (fixed)	- 25 ...+ 80 °C
Cable: Temperature range (fixed)	- 40 ...+ 80 °C

**Conditions ambiantes**

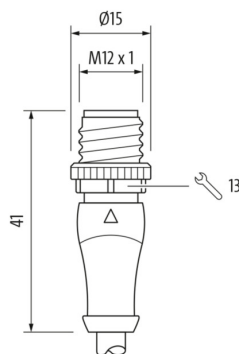
Dragchain capable	Oui
Head A: Chemical resistance	No
Head A: Flame resistance	HB (UL 94)
Head A: Oil resistance	ASTM 1 oil, mineral oils, limited to hydraulic oils
Head A: Acid and alkali resistant	No
Head A: Pollution degree	3
Head B: Chemical resistance	No
Head B: Flame resistance	HB (UL 94)
Head B: Oil resistance	ASTM 1 oil, mineral oils, limited to hydraulic oils
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 §1090 (H), CSA FT2, IEC 60332-2-2
Cable: Oil resistance	Good (DIN EN 60811-404)
Cable: Silicone-free	Oui

**Commercial data**

Eclass	27060311
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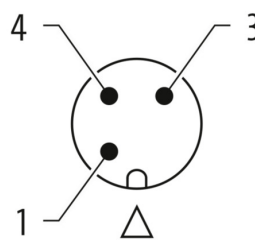
**Side A**

**Technical drawing**



**Side A**

**Coding**



**Side B**

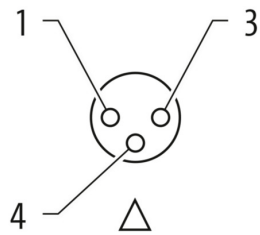
**Technical drawing**



**Dessin d'encombrement**



**Coding**



**Schéma de raccordement**

