

CAM12.A4-11232952

Article Number: 11232952

Overview

- M12, male, A-coded, 4-poles; PUR, 2000 cm; M8, female, A-coded, 4-poles
- Dragchain capable; suitable for robotics ± 180 °/m
- Head A: IP65, IP66K, IP67; Head B: IP65, IP66K, IP67
- Cable: good resistance against chemicals, flames, oils
- Halogen free







Technical data	
Side A	
Head A: Connection	M12
Head A: Angle cable outlet	0°
Head A: Gender	Male
Head A: Coding	A
Head A: No. of poles	4
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
Labeling sleeve side A	Yes
Side B	
Head B: Connection	M8
Head B: Angle cable outlet	0°
Head B: Gender	Female
Head B: Coding	A
Head B: No. of poles	4
Head B: LED	No
Head B: Width across flats	AF9
Head B: Tightening torque	0.4 Nm
Head B: Knurled nut material	Zinc-pressure die casting, surface Ni
Head B: Body color	Black
Head B: Gasket material	FKM
Labeling sleeve side B	Yes
Cables	
Cable length	2000 cm
Length tolerance	± 30 cm
Shielded	No
Conductor structure	32 × 0.1 mm
AWG	24
External sheath: Material	PUR
External sheath: Color	Black
Cable diameter	4.5 mm ± 5%
Wire cross section	0.25 mm ²
Cable	
External sheath: Shore hardness	90 ± 5 A

Cable	
Cable: Temperature range	- 25+ 80 °C
(mobile)	
Cable: Temperature range	- 40+ 80 °C
(fixed)	201/40/70
Operating voltage (only UL listed)	30 V AC/DC
Shielded	No
Bending radius (fixed)	22.5 mm
Number of wires	4
Number and diameter of wires	4x0.25
Length tolerance	± 30 cm
Cable length	2000 cm
Acceleration (C-track)	max. 10 m/s ²
AWG	24
Bending radius (fixed)	min. 5 × outer diameter
Torsion speed	max. 35 cycles/min
Bending radius (mobile)	min. 10 × outer diameter
Cable type	3
Cable weight	approx. 33 g/m
Conductor structure	32 × 0.1 mm
Cable diameter	4.5 mm ± 5%
Conductor: Material	Copper, bare
External sheath: Material	PUR
Insulation: Material	PP
No. of bending cycles (C-track)	approx. 10000000 Cycles
Nominal voltage	300 V
No. of torsion cycles	approx. 2000000 Cycles
Paired stranding	No
Single wire diameter	0.1 mm
Cable: Test voltage	2.5 kV
Torsion stress in °	± 180 °/m
Total stranding	4 wires strand
Travel speed (C-track)	max. 3 m/s
Traversing path (horizontal)	max. 10 m
Wire cross section	0.25 mm²
Wire processing	No
Wire diameter incl. isolation	1.25 mm ± 5%



CAM12.A4-11232952

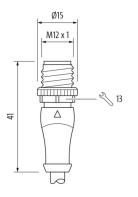
Article Number: 11232952

Technical data	
Cable	
External sheath: Color	Black
Electrical data	
Operating voltage	max. 50 V AC / 60 V 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
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 ²
Travel speed (C-track)	max. 3 m/s
Environmental conditions	
Temperature range (mobile)	- 25+ 80 °C
Temperature range (fixed)	- 25+ 85 °C

Environmental conditions	
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
Head B: Chemical resistance	No
Head B: Flame restistance	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	Yes
Cable: UV resistance	Yes
Commercial data	
Eclass	27060311

Side A

Technical drawing





Side A

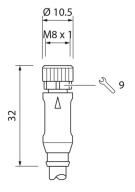
Coding

CAM12.A4-11232952

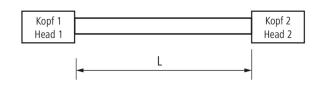
Article Number: 11232952

Side B

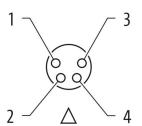
Technical drawing



Dimension drawing



Coding



Connection diagram

