

M12 female 90° A-cod. with cable

PUR 4x0.34 gy UL/CSA+drag ch. 13m

Female 90° M12, 4-pole

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

with cable sleeves

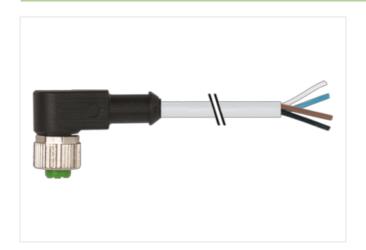
Plastic housings with good resistance against chemicals and oils.

The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

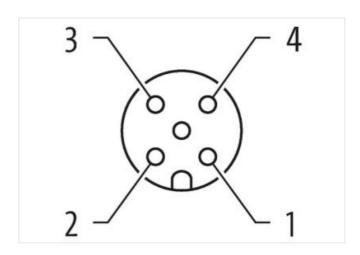
Link to Product

Illustration









Product may differ from Image













Cable length

13 m

Side 1

Tightening torque

0,6 Nm

The information in this Product-PDF has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-16



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Costing contact Gold plated	Mounting method	inserted, screwed
Thread M12 x 1 Suitable for corrugated tube (internal CO) 10 mm Coding A A A A A A A A A	Coating contact	gold plated
suitable for corrugated tube (internal Ø) 10 mm Coding A Material Copper alloy Material PUR Width across flats SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Side 2 Stripping length (jacket) 20 mm Cosaling contact gold plated Material contact Copper alloy Commercial data ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 272706311 ECLASS-10.1 27060311 ECLASS-10.2 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ECLASS-13.0 ECON1855 oustoms tariff number 85444280 GSTIN 4048879370134 Packaging unit 1 Electrical data Supply Operating voltage AC max. 250 V Operating voltage DC max. 250 V Operating voltage DC max. 25	Family construction form	M12
Coding	Thread	M12 x 1
Material Contact	suitable for corrugated tube (internal Ø)	10 mm
Material	Coding	A
Width across flats SW13	Material contact	Copper alloy
Degree of protection (EN IEC 60529) IP65, IP66K, IP67	Material	PUR
Stripping length (jacket)	Width across flats	SW13
Stripping length (jacket)	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Coating contact	Side 2	
Commercial data	Stripping length (jacket)	20 mm
Commercial data	Coating contact	gold plated
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Material group (IEC 60664-1) Mechanical data Material data Coating locking Nickeled Coating of fitting nickel plated	Pollution Degree	3
Mechanical data Material data Coating locking Nickeled Coating of fitting nickel plated	Rated surge voltage	2,5 kV
Coating locking Nickeled Coating of fitting nickel plated	Material group (IEC 60664-1)	1
Coating of fitting nickel plated	Mechanical data Material data	
	Coating locking	Nickeled
Material gasket FKM	Coating of fitting	nickel plated
	Material gasket	FKM
Locking material Zinc die-casting	Locking material	Zinc die-casting
Material screw connection Zinc die-casting	Material screw connection	Zinc die-casting
Mechanical data Mounting data	Mechanical data Mounting data	
Mounting method inserted, screwed, Shaking protection	Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	Environmental characteristics Climatic	
Operating temperature min25 °C	Operating temperature min.	-25 °C
Operating temperature max. 85 °C	Operating temperature max.	85 °C



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Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
	DIV 2101010 2 101 (M12)
Installation Cable	
Cable identification	234
Cable Type	3
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires twisted
wire arrangement	brown, black, blue, white
Cable weigth	36,3 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	4,5 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PP
Amount wires	4
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	10 m @ 25 °C horizontal
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,8 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min

Product-PDF for Article 7000-12341-2341300

