

## M12 female 90° A-cod. with cable

PUR 4x0.34 bk UL/CSA+drag ch. 0.6m

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.

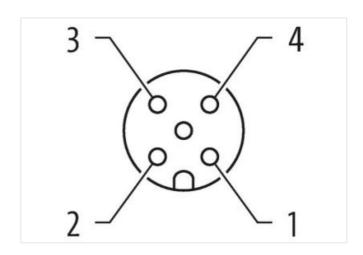
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

0,6 m

Side 1

Tightening torque

0,6 Nm

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

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Mounting method inserted, screwed Coating contact gold plated Family construction form M12 Thread M12 x 1 suitable for corrugated tube (internal Ø) 10 mm Coding Α Material contact Copper alloy Material PUR Width across flats SW13 IP65, IP66K, IP67 Degree of protection (EN IEC 60529) Side 2 20 mm Stripping length (jacket) Coating contact gold plated Material contact Copper alloy Commercial data ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879739443 Packaging unit Electrical data | Supply Operating voltage AC max. 250 V Operating voltage DC max. 250 V Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Current operating per contact max. 4 A Installation | Connection Stripping length (jacket) 20 mm M12 x 1 Mounting set Device protection | Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 2,5 kV Material group (IEC 60664-1) Mechanical data | Material data Coating locking Nickeled Coating of fitting nickel plated Material gasket FKM Locking material Zinc die-casting Material screw connection Zinc die-casting Mechanical data | Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics | Climatic Operating temperature min. -25 °C

Operating temperature max.

85 °C



stay connected

Additional condition temperature range	depending on cable quality
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	<b>Attention:</b> 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)
Installation   Cable	
	house blad blocoby
wire arrangement	brown, black, blue, white
Cable identification	634
Cable Type  Jacket Color	3
	black
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires twisted
wire arrangement	brown, black, blue, white
Cable weigth  Material insket	36,3 g/m PUR
Material jacket	90 ± 5 Shore A
Shore hardness jacket	
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 <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire  Electrical resistance line constant wire	4,8 A
	57 Ω/km @ 20 °C 2,5 kV @ 60 s
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
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1090   IEC 60332-2-2   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
No. of bending cycles (C-track)  Traversing distance (C-track)	10 Mio. @ 25 °C
	10 m @ 25 °C   horizontal
Travel speed (C-track)	3 m/s @ 25 °C



No. of torsion cycles	2 Mio.	
Torsion stress	± 180 °/m	
Torsion speed	35 cycles/min	