

stay connected

## M12 female 0° A-cod. with cable

PUR 12x0.25 gy UL/CSA+drag ch. 2.5m

Female straight

M12, 12-pole

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

with cable sleeves

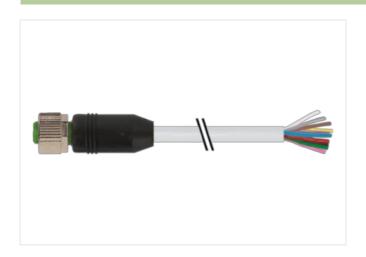
Plastic housings with good resistance against chemicals and oils.

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

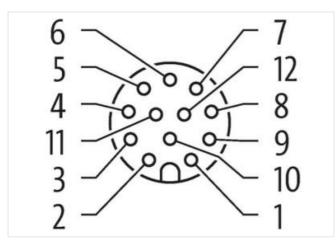
Further cable lengths on request.

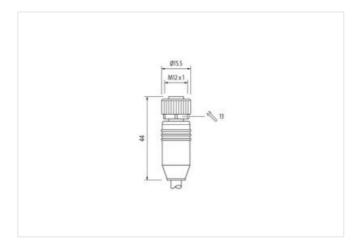
## **Link to Product**

## Illustration



BN	
BU	
l WH	
GN	
PK	
YE	
BK	
l GY	
RD	
VT	
I GY PK	
RD BU	





Product may differ from Image











Cable length

2,5 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: 2024-05-20



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Mounting method	inserted, screwed
Family construction form	M12
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	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	4048879852876
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	1,5 A
Installation   Connection	
Mounting set	M12 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	I
Mechanical data	
Contour for corrugated hose	without
Mechanical data   Material data	maiod
	ME-discled
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material  Material screw connection	Zinc die-casting Zinc die-casting
	Zino dio-odatiny
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics   Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
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)

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Installation   Cable			
wire arrangement	gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue		
Cable identification	301		
Jacket Color	gray		
Type of Certificate	cURus		
Amount stranding	1		
Stranding	3 wires twisted		
Amount stranding (type 2)	1		
Stranding (type 2)	9 wires around Stranding combination twisted		
Banding	Fleece		
wire arrangement	gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue		
Cable weigth	69,3 g/m		
Material jacket	PUR		
Shore hardness jacket	85 ± 5 Shore A		
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free		
Outer-diameter (jacket)	7 mm		
Tolerance outer diameter (sheath)	± 5 %		
Material wire insulation	PP		
Amount wires	12		
Outer diameter insulation	1,25 mm		
Outer diameter tolerance core insulation	± 5 %		
Shore hardness wire insulation	50 ± 5 Shore D		
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free		
Amount strands (wire)	32		
Diameter of single wires	0,1 mm		
Conductor crosssection (wire)	0,25 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	3 A		
Electrical resistance line constant wire	76 Ω/km @ 20 °C		
AC withstand voltage (wire - wire)	1,5 kV @ 60 s		
Electric capacitance	80000 pF/km		
Power frequency withstand voltage (wire - jacket)	1,5 kV @ 60 s		
Min. operating temperature (static)	-40 °C		
Max. operating temperature (fixed)	80 °C		
Operating temperature min. (dynamic)	-20 °C		
Operating temperature max. (dynamic)	80 °C		
Flame resistance	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2		
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)	10 x Outer diameter		
Bending radius (dynamic)	15 x Outer diameter		
No. of bending cycles (C-track)	3 Mio. @ 25 °C		
Traversing distance (C-track)	5 m @ 25 °C   horizontal		
Travel speed (C-track)	2 m/s @ 25 °C		