

## M12 male 0° / M12 female 90° A-cod.

PUR 5x0.34 gy UL/CSA+robot+drag ch. 0.3m

Male straight - female 90°

M12 - M12, 5-pole

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

Plastic housings with good resistance against chemicals and oils.

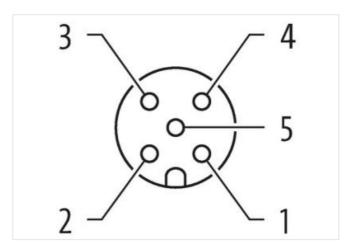
The resistance to aggressive media should be individually tested for your application. Further details on request.

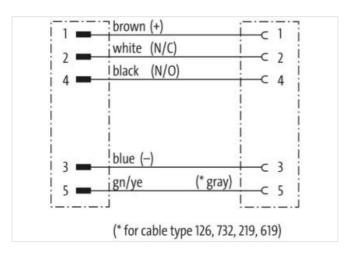
Further cable lengths on request.

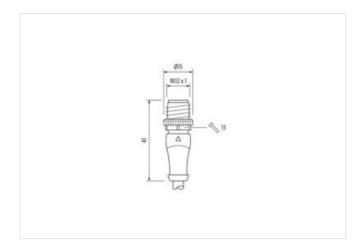
## **Link to Product**

## Illustration



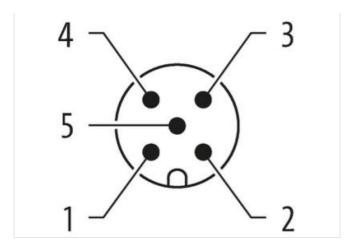


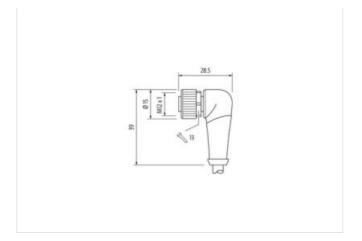






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Product may differ from Image



Cable length





0,3 m







Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
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	4048879176583
Packaging unit	1

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Electrical data   Supply	
Operating voltage AC max.	125 V
Operating voltage DC max.	125 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Installation   Connection	
Mounting set	M12 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	
Mechanical data   Material data	
Coating locking	safe-cover coated
Coating of fitting	nickel plated
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
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	
	255
Cable identification	
Cable Type  Jacket Color	5 grav
Гуре of Certificate	gray cURus
Amount stranding	1
Amount stranding  Stranding	5 wires around Core filler twisted
Filler	yes
	Y
	•
vire arrangement	brown, black, blue, white, green-yellow
vire arrangement Fraversing distance (C-track)	brown, black, blue, white, green-yellow  5 m @ 25 °C   horizontal
vire arrangement Fraversing distance (C-track) Cable weigth	brown, black, blue, white, green-yellow  5 m @ 25 °C   horizontal  41,8 g/m
vire arrangement Fraversing distance (C-track) Cable weigth Material jacket	brown, black, blue, white, green-yellow  5 m @ 25 °C   horizontal  41,8 g/m  PUR
vire arrangement  Fraversing distance (C-track)  Cable weigth  Material jacket  Shore hardness jacket	brown, black, blue, white, green-yellow  5 m @ 25 °C   horizontal  41,8 g/m  PUR  58 ± 3 Shore D
vire arrangement  Fraversing distance (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)	brown, black, blue, white, green-yellow  5 m @ 25 °C   horizontal  41,8 g/m  PUR  58 ± 3 Shore D  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
vire arrangement  Fraversing distance (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)	brown, black, blue, white, green-yellow  5 m @ 25 °C   horizontal  41,8 g/m  PUR  58 ± 3 Shore D  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  5 mm
vire arrangement  Fraversing distance (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Duter-diameter (jacket)  Folerance outer diameter (sheath)	brown, black, blue, white, green-yellow  5 m @ 25 °C   horizontal  41,8 g/m  PUR  58 ± 3 Shore D  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  5 mm  ± 5 %
vire arrangement  Fraversing distance (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Duter-diameter (jacket)  Folerance outer diameter (sheath)  Material wire insulation	brown, black, blue, white, green-yellow  5 m @ 25 °C   horizontal  41,8 g/m  PUR  58 ± 3 Shore D  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  5 mm  ± 5 %  PP
vire arrangement  Fraversing distance (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Duter-diameter (jacket)  Folerance outer diameter (sheath)  Material wire insulation  Amount wires	brown, black, blue, white, green-yellow  5 m @ 25 °C   horizontal  41,8 g/m  PUR  58 ± 3 Shore D  lead-free, cadmium-free, CFC-free, halogen-free 5 mm  ± 5 %  PP  5
vire arrangement  Fraversing distance (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Duter-diameter (jacket)  Folerance outer diameter (sheath)  Material wire insulation	brown, black, blue, white, green-yellow  5 m @ 25 °C   horizontal  41,8 g/m  PUR  58 ± 3 Shore D  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  5 mm  ± 5 %  PP

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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 mm²
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	4,5 A
Electrical resistance line constant wire	60 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	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
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min