

M12 male 0° A-cod. with cable

PUR 3x0.34 gy UL/CSA+drag ch. 3m

Male straight

M12, 3-pole

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

with cable sleeves

Plastic housings with good resistance against chemicals and oils.

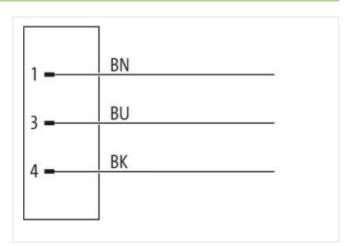
The resistance to aggressive media should be individually tested for your application. Further details on request.

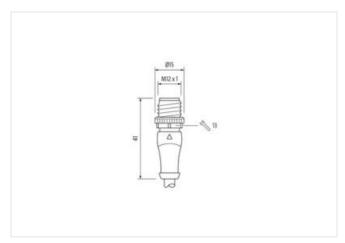
Further cable lengths on request.

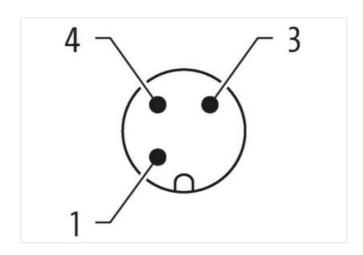
Link to Product

Illustration









Product may differ from Image













Cable length

3 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: 2024-05-29



Family construction from	Mounting method	inserted, screwed
Treed	-	M12
Coding A Material PUR Width across flats SWI3 Degree of protection (ENEC 6059) IPS6, IPB6K, IPB7 Side 2 Support length (scket) 20 mm Commercial length (scket) 20 mm COMMERCIA (Scket) 277279218 ECLASS-6.0 277279218 ECLASS-7.0 277279218 ECLASS-9.0 277279218 ECLASS-9.0 277279218 ECLASS-9.0 277069311 ECLASS-9.0 277069311 ECLASS-1.1 27069311 ECLASS-12.0 27069311 <th< td=""><td></td><td>M12 x 1</td></th<>		M12 x 1
Medical	suitable for corrugated tube (internal Ø)	10 mm
No. of poles S Width across fists S Wi13	Coding	A
Width across falls SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Stripping length (lacket) 20 mm Commercial data ECLASS-0 27279218 ECLASS-0.0 27279218 ECLASS-0.0 27270218 ECLASS-0.0 27270218 ECLASS-0.1 27060311 ECLASS-1.1 27060311 ECLASS-1.1.1 27060311 ECLASS-1.1.0 27060311 ECLASS-1.1.1 27060311 ECLASS-1.0 27060311 ECLASS-1.1.1 27060311 ECLASS-1.2.0 27060311 ECLASS-1.1.1 27060311 ECLASS-1.2.0 27060311 ETIM-5.0 E0070855 Caustin Information 8444200 GTN 4048879219941 Packaging unit 1 Packaging unit 1 Operating voltage AC max. 250 V Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Operating length (jacket)<	Material	PUR
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Stripping length (jacket)	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	Side 2	
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Additional condition temperature range depending on cable quality Important installation notes	Operating temperature min.	-25 °C
Important installation notes	Operating temperature max.	85 °C
	Additional condition temperature range	depending on cable quality
Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	Important installation notes	
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stay connected

Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be Note on bending radius endangered by excessive bending forces.

	endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation Cable	
wire arrangement	brown, black, blue
Cable identification	233
Cable Type	3
Jacket Color	
Type of Certificate	gray
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	brown, black, blue
Cable weigth	29,7 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)	4.1 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PP
	3
Amount wires Outer diameter inculation	
Outer diameter insulation Outer diameter tolerance core insulation	1,25 mm ± 5 %
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 42
Amount strands (wire)	
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
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	6 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	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)	10 Mio. @ 25 °C
Traversing distance (C-track)	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