

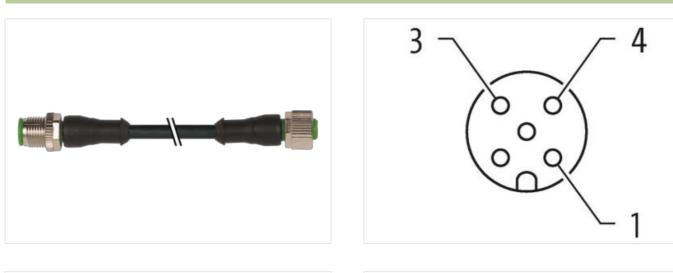
## M12 male 0° / M12 female 0° A-cod.

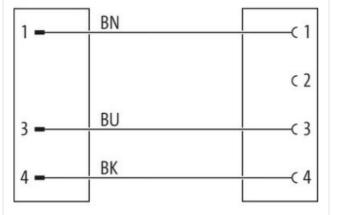
PUR 3x0.34 bk UL/CSA+drag ch. 2.2m

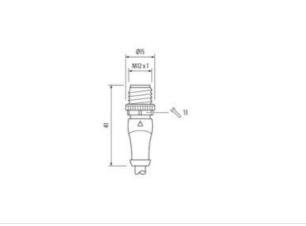
Male straight – female straight M12 – M12, 3-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

Illustration

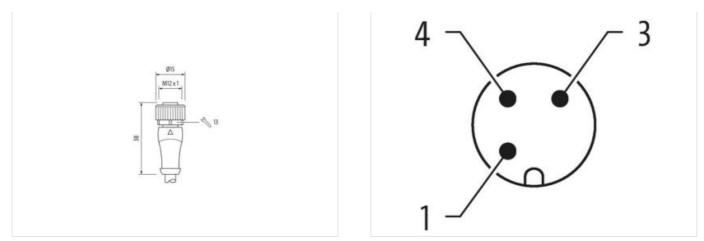






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Product may differ from Image



Cable length	2,2 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	
No. of poles	3	
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	
No. of poles	3	
Width across flats	SW13	
Commercial data		
ECLASS-6.0	27061801	
ECLASS-10.1	27060311	
ECLASS-11.1	27060311	
ECLASS-12.0	27060311	
customs tariff number	85444290	
GTIN	4048879865326	
Packaging unit	1	
Electrical data   Supply		
Operating voltage AC max.	250 V	

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Operating voltage DC (UL-listed)   C     Current operating per contact max.   Installation   Connection     Mounting set   Installation   Connection     Device protection   Electrical   Additional condition protection degree     Pollution Degree   C	30 V 30 V 4 A M12 x 1 inserted, screwed	
Operating voltage DC (UL-listed)   3     Current operating per contact max.   4     Installation   Connection   4     Mounting set   4     Device protection   Electrical   4     Additional condition protection degree   4     Pollution Degree   3     Rated surge voltage   4	4 A M12 x 1	
Current operating per contact max.   Installation   Connection     Installation   Connection   Mounting set     Device protection   Electrical   Mounting condition protection degree     Additional condition protection degree   G     Pollution Degree   G     Rated surge voltage   G	M12 x 1	
Installation   Connection     Mounting set   I     Device protection   Electrical     Additional condition protection degree   i     Pollution Degree   i     Rated surge voltage   i		
Device protection   Electrical     Additional condition protection degree   i     Pollution Degree   i     Rated surge voltage   i		
Device protection   Electrical     Additional condition protection degree   i     Pollution Degree   i     Rated surge voltage   i	inserted, screwed	
Additional condition protection degree   i     Pollution Degree   i     Rated surge voltage   i	inserted, screwed	
Pollution Degree 3   Rated surge voltage 3		
Rated surge voltage	3	
	2.5 kV	
	2,5 KV	
Mechanical data   Material data		
U	Nickeled	
	nickel plated	
-	Zinc die-casting	
Material screw connection	Zinc die-casting	
Mechanical data   Mounting data		
Mounting method i	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.	
	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)	
Installation   Cable		
wire arrangement	brown, black, blue	
	633	
	3	
	black	
	cURus	
	1	
	3 wires twisted	
	brown, black, blue	
-	29,7 g/m	
	PUR	
	90 ± 5 Shore A	
	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	
	4,1 mm	
	±5%	
	PP	
Amount wires	3	
Outer diameter insulation	1,25 mm	
Outer diameter tolerance core insulation	±5%	
Shore hardness wire insulation	70 ± 5 Shore D	
	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	
	42	
Diameter of single wires	0,1 mm	

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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	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
UV resistance	DIN EN ISO 4892-2 A
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)	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

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