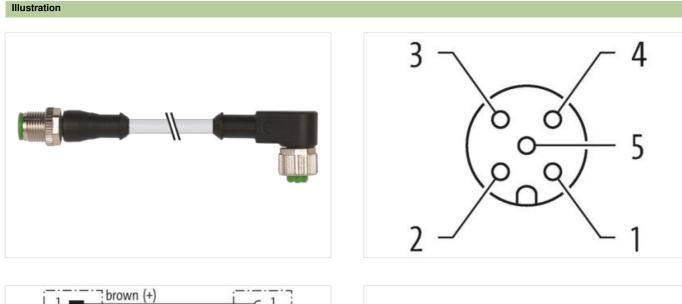


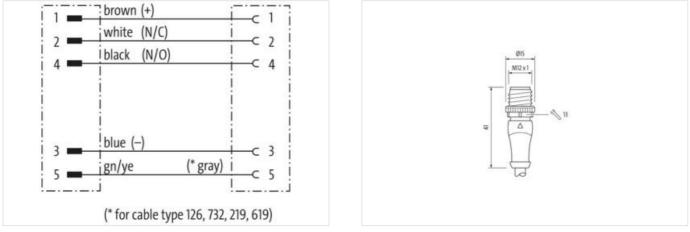
M12 male 0° / M12 female 90° A-cod.

PUR 5x0.34 gy UL/CSA+drag ch. 6m

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.

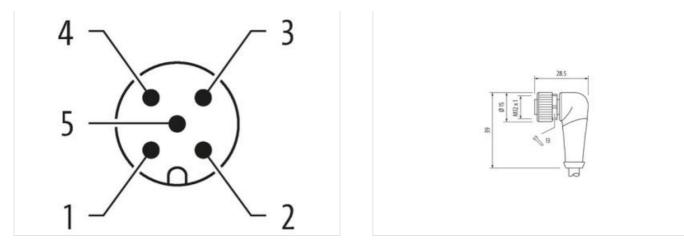
Link to Product





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Product may differ from Image



Cable length	6 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	А	
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	А	
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	4048879575737	
Packaging unit	1	
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Electrical data | Supply

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)	1		
Mechanical data Material data			
Coating locking	Nickeled		
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			
•	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.		
Note on strain relief Note on bending radius	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, white, green-yellow		
Cable identification	235		
Cable Type	3		
Jacket Color	gray		
Type of Certificate	cURus		
Amount stranding			
Stranding	5 wires around Core filler twisted		
Filler	yes		
wire arrangement	brown, black, blue, white, green-yellow		
Cable weigth	41,8 g/m PUR		
Material jacket			
Shore hardness jacket	90 ± 5 Shore A		
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free		
Outer-diameter (jacket)	4,8 mm		
Tolerance outer diameter (sheath)	±5%		
Material wire insulation	PP		
Amount wires	5		
Outer diameter insulation	1,25 mm		
Outer diameter tolerance core insulation	±5%		
Shore hardness wire insulation	70 ± 5 Shore D		

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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 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	4,5 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	IEC 60332-2-2 UL 1581 § 1090 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		

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