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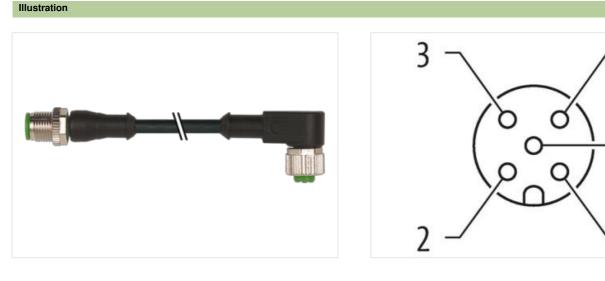
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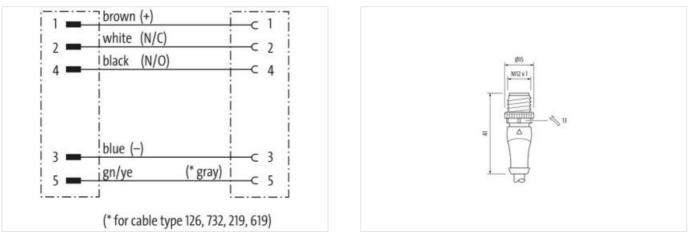
## M12 male 0° / M12 female 90° A-cod.

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

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.

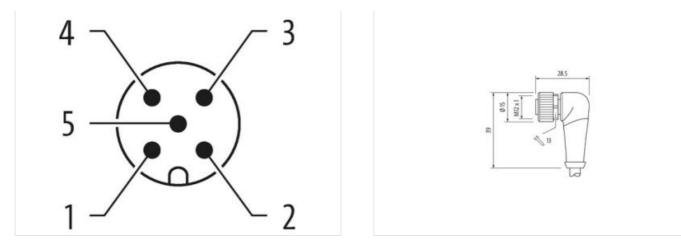
## Link to Product





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Product may differ from Image



Cable length	5 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	4048879315449	
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)			
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	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	655		
Cable Type	5		
Jacket Color	black		
Type of Certificate			
· ·	cURus		
Amount stranding	cURus 1		
Amount stranding Stranding			
	1		
Stranding	1 5 wires around Core filler twisted		
Stranding Filler	1 5 wires around Core filler twisted yes		
Stranding Filler wire arrangement	1   5 wires around Core filler twisted   yes   brown, black, blue, white, green-yellow		
Stranding Filler wire arrangement Cable weigth	1   5 wires around Core filler twisted   yes   brown, black, blue, white, green-yellow   41,8 g/m		
Stranding Filler wire arrangement Cable weigth Material jacket	1   5 wires around Core filler twisted   yes   brown, black, blue, white, green-yellow   41,8 g/m   PUR		
Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket	1   5 wires around Core filler twisted   yes   brown, black, blue, white, green-yellow   41,8 g/m   PUR   58 ± 3 Shore D		
Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	1   5 wires around Core filler twisted   yes   brown, black, blue, white, green-yellow   41,8 g/m   PUR   58 ± 3 Shore D   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free		
Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	1   5 wires around Core filler twisted   yes   brown, black, blue, white, green-yellow   41,8 g/m   PUR   58 ± 3 Shore D   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   5 mm		
Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	1   5 wires around Core filler twisted   yes   brown, black, blue, white, green-yellow   41,8 g/m   PUR   58 ± 3 Shore D   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   5 mm   ± 5 %		
Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	1   5 wires around Core filler twisted   yes   brown, black, blue, white, green-yellow   41,8 g/m   PUR   58 ± 3 Shore D   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   5 mm   ± 5 %   PP		
Stranding   Filler   wire arrangement   Cable weigth   Material jacket   Shore hardness jacket   Freedom from ingredients (jacket)   Outer-diameter (jacket)   Tolerance outer diameter (sheath)   Material wire insulation   Amount wires	1   5 wires around Core filler twisted   yes   brown, black, blue, white, green-yellow   41,8 g/m   PUR   58 ± 3 Shore D   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   5 mm   ± 5 %   PP   5		

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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 <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	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	
UV resistance	DIN EN ISO 4892-2 A	
Flame resistance	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090	
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)	5 m @ 25 °C   horizontal	
Travel speed (C-track)	3,3 m/s @ 25 °C	
No. of torsion cycles	1 Mio.	
Torsion stress	± 360 °/m	
Torsion speed	35 cycles/min	

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