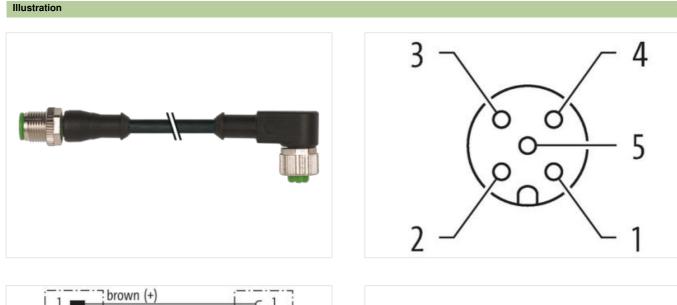


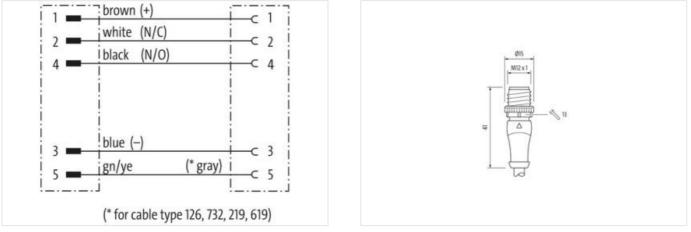
M12 male 0° / M12 female 90° A-cod.

PUR 5x0.34 bk UL/CSA+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.

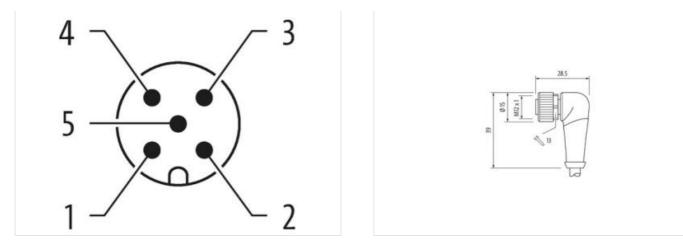
Link to Product





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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 \emptyset)	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	4048879636902	
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	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			
•	Distant the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tice		
Note on strain relief Note on bending radius	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	DIN EN 61076-2-101 (M12)		
Installation Cable	DIN EN 61076-2-101 (M12) 647		
Installation Cable Cable identification			
Installation Cable Cable identification Cable Type	647		
Installation Cable Cable identification Cable Type Jacket Color	647 3		
Installation Cable Cable identification Cable Type Jacket Color Type of Certificate	647 3 black		
Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding	647 3 black cURus		
Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding	647 3 black cURus 1		
Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler	647 3 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow		
Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Traversing distance (C-track)	647 3 black cURus 1 5 wires around Core filler twisted yes		
Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Traversing distance (C-track)	647 3 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow		
Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Traversing distance (C-track) Cable weigth Material jacket	647 3 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow 5 m @ 25 °C horizontal		
Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Traversing distance (C-track) Cable weigth Material jacket	647 3 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow 5 m @ 25 °C horizontal 44,55 g/m		
Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket	647 3 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow 5 m @ 25 °C horizontal 44,55 g/m PUR		
Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	647 3 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow 5 m @ 25 °C horizontal 44,55 g/m PUR 90 ± 5 Shore A		
Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	647 3 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow 5 m @ 25 °C horizontal 44,55 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free		
Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	647 3 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow 5 m @ 25 °C horizontal 44,55 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,6 mm		
Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires	647 3 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow 5 m @ 25 °C horizontal 44,55 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,6 mm ± 5 %		
Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	647 3 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow 5 m @ 25 °C horizontal 44,55 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,6 mm ± 5 % PP		
Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires	647 3 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow 5 m @ 25 °C horizontal 44,55 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,6 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 ²	
Material conductor wire	Stranded copper wire, bare	
Conductor type (wire)	strand class 6	
Nominal voltage AC max.	600 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)	6 kV @ 60 s	
Power frequency withstand voltage (wire - jacket)	6 kV @ 60 s	
Min. operating temperature (static)	-40 °C	
Max. operating temperature (fixed)	90 °C	
Operating temperature min. (dynamic)	-25 °C	
Operating temperature max. (dynamic)	90 °C	
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	
Travel speed (C-track)	5 Mio. @ 25 °C	
No. of torsion cycles	2 Mio.	
Torsion stress	± 180 °/m	
Torsion speed	35 cycles/min	

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