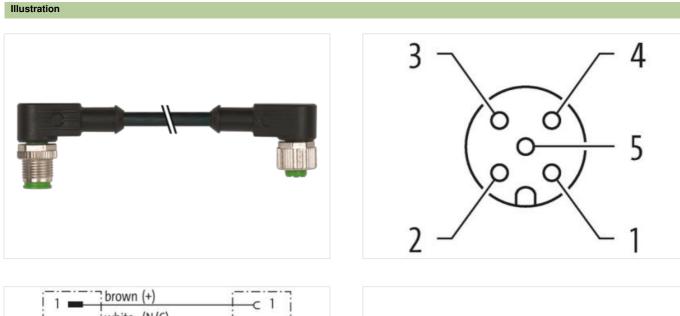


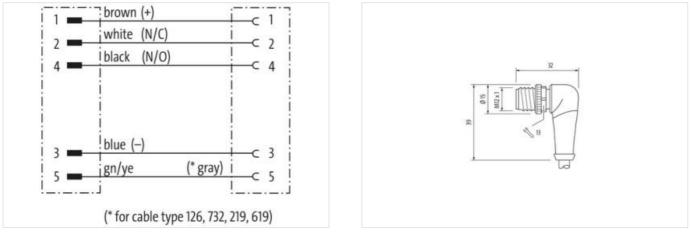
M12 male 90° / M12 female 90° A-cod.

PUR 5x0.34 bk UL/CSA+drag ch. 4m

Male 90° – 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.

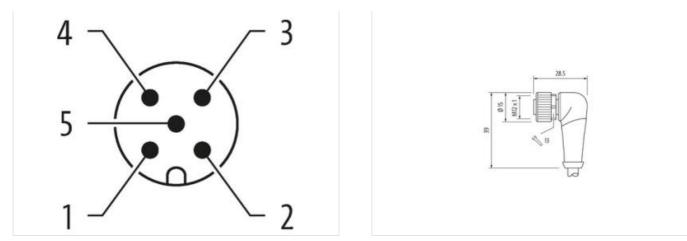
Link to Product





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Product may differ from Image



Cable length	4 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	Α	
Material	PUR	
Width across flats	SW13	
Degree of protection (EN IEC 60529)	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)	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	4048879787154	
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
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	
Important installation notes	Protect the connectors by quitable measures from mechanical loads, a.g. by the usage of echle tice
Important installation notes Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
•	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.
Note on strain relief	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Note on strain relief Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Note on strain relief Note on bending radius Installation Cable	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Note on strain relief Note on bending radius Installation Cable wire arrangement	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. brown, black, blue, white, gray
Note on strain relief Note on bending radius Installation Cable wire arrangement Cable identification	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. brown, black, blue, white, gray 732
Note on strain relief Note on bending radius Installation Cable wire arrangement Cable identification Cable Type	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. brown, black, blue, white, gray 732 3
Note on strain relief Note on bending radius Installation Cable wire arrangement Cable identification Cable Type Jacket Color	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. brown, black, blue, white, gray 732 3 black
Note on strain relief Note on bending radius Installation Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. brown, black, blue, white, gray 732 3 black
Note on strain relief Note on bending radius Installation Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. brown, black, blue, white, gray 732 3 black cURus 1
Note on strain relief Note on bending radius Installation Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. brown, black, blue, white, gray 732 3 black cURus 1 5 wires around Core filler twisted
Note on strain relief Note on bending radius Installation Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. brown, black, blue, white, gray 732 3 black cURus 1 5 wires around Core filler twisted yes
Note on strain relief Note on bending radius Installation Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. brown, black, blue, white, gray 732 3 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, gray
Note on strain relief Note on bending radius Installation Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. brown, black, blue, white, gray 732 3 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, gray
Note on strain relief Note on bending radius Installation Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. brown, black, blue, white, gray 732 3 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, gray PUR
Note on strain relief Note on bending radius Installation Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. brown, black, blue, white, gray 732 3 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, gray 90 ± 5 Shore A
Note on strain relief Note on bending radius Installation Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. brown, black, blue, white, gray 732 3 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, gray 41,8 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Note on strain relief Note on bending radius Installation Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. brown, black, blue, white, gray 732 3 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, gray 41,8 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,8 mm
Note on strain relief Note on bending radius Installation Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. brown, black, blue, white, gray 732 3 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, gray 41,8 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,8 mm ± 5 %
Note on strain relief Note on bending radius Installation Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding 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	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. brown, black, blue, white, gray 732 3 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, gray 41,8 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,8 mm ± 5 % PP
Note on strain relief Note on bending radius Installation Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding 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	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. brown, black, blue, white, gray 732 3 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, gray 41,8 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,8 mm ± 5 % PP 5
Note on strain relief Note on bending radius Installation Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding 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 Outer diameter insulation	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. brown, black, blue, white, gray 732 3 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, gray 41,8 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,8 mm ± 5 % PP 5 1,25 mm
Note on strain relief Note on bending radius Installation Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding 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 Outer diameter insulation Outer diameter insulation	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. brown, black, blue, white, gray 732 3 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, gray 41,8 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,8 mm ± 5 % PP 5 1,25 mm ± 5 %
Note on strain relief Note on bending radius Installation Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Outer-diameter (jacket) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. brown, black, blue, white, gray 732 3 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, gray 41,8 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,8 mm ± 5 % PP 5 1,25 mm ± 5 % 70 ± 5 Shore D
Note on strain relief Note on bending radius Installation Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding 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 Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. brown, black, blue, white, gray 732 3 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, gray 41,8 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,8 mm ± 5 % PP 5 1,25 mm ± 5 % 70 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free

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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
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	DIN EN 60811-404 Good, application-related testing
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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