

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

PVC 4x0.34 bk UL/CSA 0.3m

Male 90° - female 90°

M12 - M12, 4-pole

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

Plastic housings with good resistance against chemicals and oils.

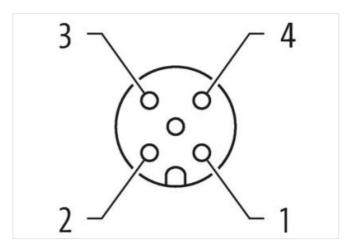
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

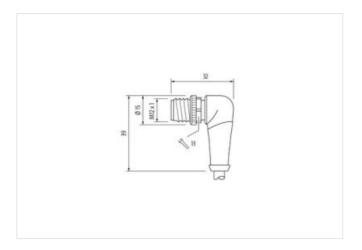
## **Link to Product**

## Illustration



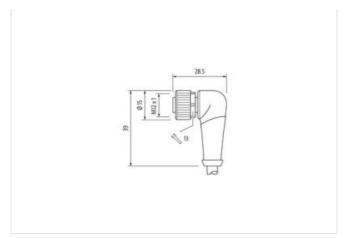


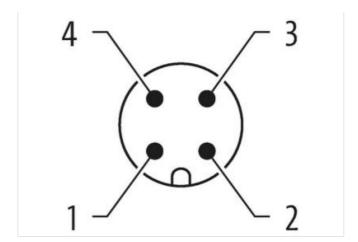






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Product may differ from Image



Cable length





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 $\emptyset$ )	10 mm
Coding	A
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	4048879172714
Packaging unit	1

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Electrical data   Supply	
Operating voltage AC max.	250 V
Operating voltage DC max.	250 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)	I
Mechanical data   Material data	
Coating of fitting	nickel plated
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.
	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Note on bending radius	endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	
Cable identification	614
Cable Type	1
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires twisted
wire arrangement	brown, black, blue, white
Cable weigth	40,7 g/m
Cable weight	40,7 9/111
Material iacket	DVC
	PVC 95 + 5 Shara A
Shore hardness jacket	85 ± 5 Shore A
Shore hardness jacket Freedom from ingredients (jacket)	85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free
Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free 5 mm
Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Folerance outer diameter (sheath)	85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  5 mm ± 5 %
Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Folerance outer diameter (sheath) Material wire insulation	85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  5 mm  ± 5 %  PVC
Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Folerance outer diameter (sheath) Material wire insulation Amount wires	85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  5 mm  ± 5 %  PVC  4
Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Folerance outer diameter (sheath) Material wire insulation Amount wires Duter diameter insulation	85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  5 mm  ± 5 %  PVC  4  1,25 mm
Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Folerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation	85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  5 mm  ± 5 %  PVC  4  1,25 mm  ± 5 %
Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation	85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  5 mm  ± 5 %  PVC  4  1,25 mm  ± 5 %  45 ± 5 Shore D
Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Material properties wire insulation	85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  5 mm  ± 5 %  PVC  4  1,25 mm  ± 5 %  45 ± 5 Shore D  good machinability
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 Shore hardness wire insulation Material properties wire insulation Ingredient freeness wire insulation	85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  5 mm  ± 5 %  PVC  4  1,25 mm  ± 5 %  45 ± 5 Shore D  good machinability  lead-free, cadmium-free, CFC-free, silicone-free
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 tolerance core insulation Shore hardness wire insulation Material properties wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires	85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  5 mm  ± 5 %  PVC  4  1,25 mm  ± 5 %  45 ± 5 Shore D  good machinability

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Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,8 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	0° 08 °C
UV resistance	DIN EN ISO 4892-2 A
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	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter