

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

PUR 4x0.34 gy UL/CSA+drag ch. 0.9m

Male 90° - female 90°

M12 - M12, 4-pole

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

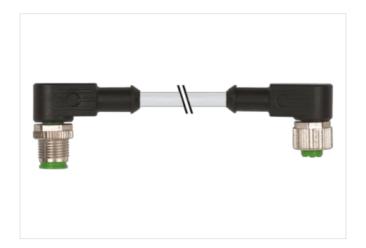
Plastic housings with good resistance against chemicals and oils.

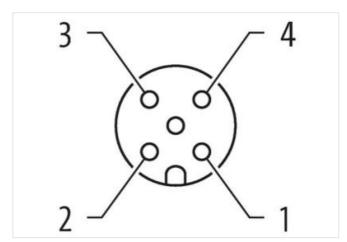
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

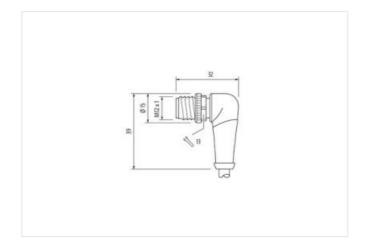
## **Link to Product**

## Illustration



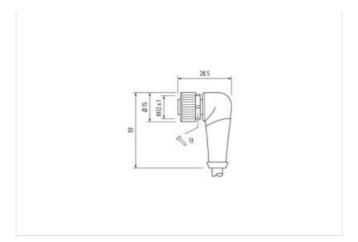


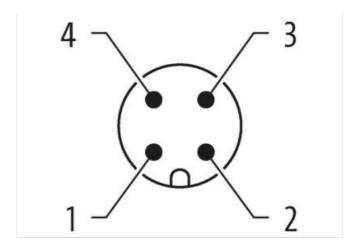






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Product may differ from Image



Cable length





0,9 m







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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)	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	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	4048879625067
Packaging unit	1

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-20



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Electrical data   Supply	
	OFO V
Operating voltage AC max.	250 V 250 V
Operating voltage DC max. Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
	70
Installation   Connection	
Mounting set	M12 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Material group (IEC 60664-1)	ı
Mechanical data   Material data	
Coating of fitting	nickel plated
Material screw connection	Zinc die-casting
Mechanical data   Mounting data	
· · · · · · ·	inserted agrayed Challing protection
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	<b>Attention:</b> 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	
Cable identification	234
Cable Type	3
Jacket Color	
	gray
Type of Certificate	ol IRus
	cURus
Amount stranding	1
Amount stranding Stranding	1 4 wires twisted
Amount stranding Stranding wire arrangement	1 4 wires twisted brown, black, blue, white
Amount stranding Stranding wire arrangement Cable weigth	1 4 wires twisted brown, black, blue, white 36,3 g/m
Amount stranding Stranding vire arrangement Cable weigth Material jacket	1 4 wires twisted brown, black, blue, white 36,3 g/m PUR
Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket	1 4 wires twisted brown, black, blue, white 36,3 g/m PUR 90 ± 5 Shore A
Amount stranding  Stranding wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)	1 4 wires twisted brown, black, blue, white 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount stranding  Stranding  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Duter-diameter (jacket)	1 4 wires twisted brown, black, blue, white 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm
Amount stranding  Stranding  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Duter-diameter (jacket)  Folerance outer diameter (sheath)	1 4 wires twisted brown, black, blue, white 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount stranding  Stranding  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Duter-diameter (jacket)  Folerance outer diameter (sheath)  Material wire insulation	1 4 wires twisted brown, black, blue, white 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free 4,5 mm ± 5 %
Amount stranding  Stranding wire arrangement Cable weigth  Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Folerance outer diameter (sheath) Material wire insulation  Amount wires	1 4 wires twisted brown, black, blue, white 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm ± 5 % PP
Amount stranding  Stranding  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Duter-diameter (jacket)  Folerance outer diameter (sheath)  Material wire insulation  Amount wires  Duter diameter insulation	1 4 wires twisted brown, black, blue, white 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free 4,5 mm ± 5 % PP
Amount stranding  Stranding  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Duter-diameter (jacket)  Folerance outer diameter (sheath)  Material wire insulation  Amount wires  Duter diameter insulation  Duter diameter tolerance core insulation	1 4 wires twisted brown, black, blue, white 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free 4,5 mm ± 5 % PP 4 1,25 mm
Amount stranding  Stranding  wire arrangement  Cable weigth  Material 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	1 4 wires twisted brown, black, blue, white 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm ± 5 % PP 4 1,25 mm ± 5 %
Amount stranding  Stranding wire arrangement Cable weigth Material jacket 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 Shore hardness wire insulation Ingredient freeness wire insulation	1 4 wires twisted brown, black, blue, white 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm ± 5 % PP 4 1,25 mm ± 5 % 70 ± 5 Shore D
Amount stranding Stranding 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 tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire)	1 4 wires twisted brown, black, blue, white 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free silicone-free 4,5 mm ± 5 % PP 4 1,25 mm ± 5 % 70 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Type of Certificate  Amount stranding  Stranding 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 tolerance core insulation  Shore hardness wire insulation  Ingredient freeness wire insulation  Amount strands (wire)  Diameter of single wires  Conductor crosssection (wire)	1 4 wires twisted brown, black, blue, white 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm ± 5 % PP 4 1,25 mm ± 5 % 70 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free



Conductor type (wire)	strand class 6
Traversing distance (C-track)	10 m @ 25 °C ∣ horizontal
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)	2,5 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
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min