

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

PVC 5x0.34 bk UL/CSA 3m

Male 90° – female straight

M12 - M12, 5-pole

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

Plastic housings with good resistance against chemicals and oils.

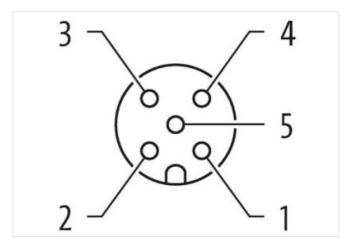
The resistance to aggressive media should be individually tested for your application. Further details on request.

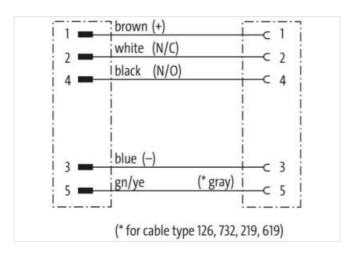
Further cable lengths on request.

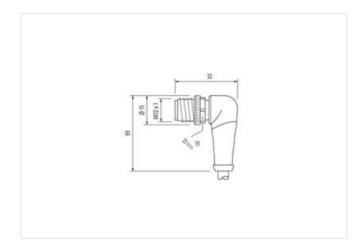
## **Link to Product**

## Illustration





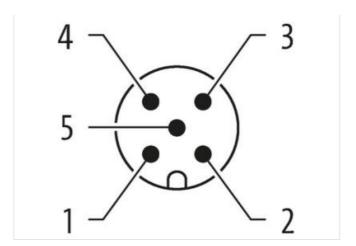






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Product may differ from Image



Cable length





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)	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	4048879472852
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: 2024-05-22



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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)	I
Mechanical data   Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
_ocking 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.
Installation   Cable	
Cable identification	615
Cable Type	1
Jacket Color	black
Type of Certificate	cURus
	00.100
**	1
Amount stranding	1 5 wires around Core filler twisted
**	5 wires around Core filler twisted
Amount stranding Stranding Filler	5 wires around Core filler twisted yes
Amount stranding  Stranding  Filler  wire arrangement	5 wires around Core filler twisted  yes  brown, black, blue, white, green-yellow
Amount stranding  Stranding  Filler  wire arrangement  Cable weigth	5 wires around Core filler twisted  yes  brown, black, blue, white, green-yellow  48,4 g/m
Amount stranding  Stranding  Filler  wire arrangement  Cable weigth  Material jacket	5 wires around Core filler twisted  yes  brown, black, blue, white, green-yellow  48,4 g/m  PVC
Amount stranding  Stranding  Filler  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket	5 wires around Core filler twisted  yes  brown, black, blue, white, green-yellow  48,4 g/m  PVC  85 ± 5 Shore A
Amount stranding  Stranding  Filler  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)	5 wires around Core filler twisted  yes  brown, black, blue, white, green-yellow  48,4 g/m  PVC  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free
Amount stranding  Stranding  Filler  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)	5 wires around Core filler twisted  yes  brown, black, blue, white, green-yellow  48,4 g/m  PVC  85 ± 5 Shore A
Amount stranding  Stranding  Filler  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)	5 wires around Core filler twisted  yes  brown, black, blue, white, green-yellow  48,4 g/m  PVC  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  5,2 mm
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	5 wires around Core filler twisted  yes  brown, black, blue, white, green-yellow  48,4 g/m  PVC  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  5,2 mm  ± 5 %
Amount stranding  Stranding  Filler  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Duter-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation  Amount wires	5 wires around Core filler twisted  yes  brown, black, blue, white, green-yellow  48,4 g/m  PVC  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  5,2 mm  ± 5 %  PVC  5
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	5 wires around Core filler twisted  yes  brown, black, blue, white, green-yellow  48,4 g/m  PVC  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  5,2 mm  ± 5 %  PVC
Amount stranding  Stranding  Filler  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Duter-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation  Amount wires  Duter diameter insulation  Outer diameter tolerance core insulation	5 wires around Core filler twisted  yes  brown, black, blue, white, green-yellow  48,4 g/m  PVC  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  5,2 mm  ± 5 %  PVC  5  1,25 mm  ± 5 %
Amount stranding  Stranding  Filler  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Duter-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation  Amount wires  Duter diameter insulation  Duter diameter tolerance core insulation  Shore hardness wire insulation	5 wires around Core filler twisted  yes  brown, black, blue, white, green-yellow  48,4 g/m  PVC  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  5,2 mm  ± 5 %  PVC  5  1,25 mm  ± 5 %  45 ± 5 Shore D
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 tolerance core insulation  Shore hardness wire insulation  Material properties wire insulation	5 wires around Core filler twisted  yes  brown, black, blue, white, green-yellow  48,4 g/m  PVC  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  5,2 mm  ± 5 %  PVC  5  1,25 mm  ± 5 %  45 ± 5 Shore D  good machinability
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 tolerance core insulation  Shore hardness wire insulation  Material properties wire insulation  Ingredient freeness wire insulation	5 wires around Core filler twisted  yes  brown, black, blue, white, green-yellow  48,4 g/m  PVC  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  5,2 mm  ± 5 %  PVC  5  1,25 mm  ± 5 %  45 ± 5 Shore D  good machinability  lead-free, cadmium-free, CFC-free, silicone-free
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 tolerance core insulation  Shore hardness wire insulation  Material properties wire insulation	5 wires around Core filler twisted  yes  brown, black, blue, white, green-yellow  48,4 g/m  PVC  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  5,2 mm  ± 5 %  PVC  5  1,25 mm  ± 5 %  45 ± 5 Shore D  good machinability



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	4,5 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)	80 °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	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter