

## M12 male 0° / M8 female 0° A-cod.

PVC 4x0.25 gy UL/CSA 1m

Male straight - female straight

M12 - M8, 4-pole

Art-No. 7005 - M12/M8 Lite - (plastic hexagonal screw) on request

with cable sleeves

Plastic housings with good resistance against chemicals and oils.

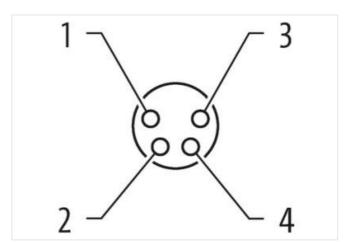
The resistance to aggressive media should be individually tested for your application. Further details on request.

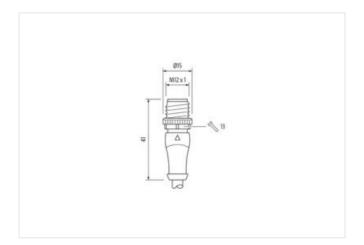
Further cable lengths on request.

## **Link to Product**

## Illustration



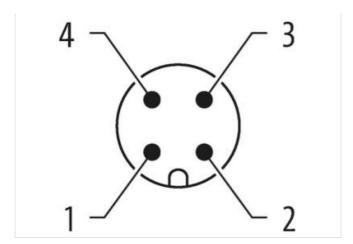


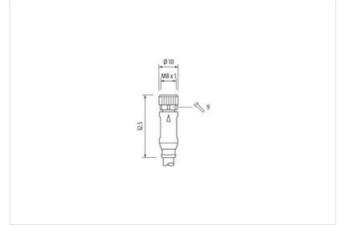






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Cable length	1 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	4
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	4
Width across flats	SW9
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

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: 2024-05-03



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ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879162456
Packaging unit	1
Electrical data   Supply	
	50.7
Operating voltage AC max.  Operating voltage DC max.	50 V
	60 V
Operating voltage AC (UL-listed) Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	30 V 4 A
	4 A
Diagnostics	
Status indication LED	no
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I
Mechanical data   Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Material gasket	FKM
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	
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.
Conformity	
Product standard	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Product standard	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Installation   Cable	
Installation   Cable Cable identification	211
Installation   Cable Cable identification Cable Type	211 1
Installation   Cable Cable identification Cable Type Jacket Color	211 1 gray
Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate	211 1 gray cURus
Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding	211 1 gray CURus 1
Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding	211 1 gray cURus 1 4 wires twisted
Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement	211  1 gray cURus  1 4 wires twisted brown, black, blue, white
Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth	211 1 gray cURus 1 4 wires twisted
Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket	211  1 gray cURus 1 4 wires twisted brown, black, blue, white 34,76 g/m PVC
Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket	211  1 gray cURus  1 4 wires twisted brown, black, blue, white  34,76 g/m PVC  85 ± 5 Shore A
Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	211  1 gray cURus  1 4 wires twisted brown, black, blue, white 34,76 g/m PVC 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free
Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket	211  1 gray cURus  1 4 wires twisted brown, black, blue, white  34,76 g/m PVC  85 ± 5 Shore A



Amount wires	4
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	45 ± 5 Shore D
Material properties wire insulation	good machinability
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Amount strands (wire)	14
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,25 mm²
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	3,6 A
Electrical resistance line constant wire	79 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
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