

## M12 male 0° / M8 female 0° A-cod.

PUR 3x0.25 bk UL/CSA+drag ch. 7.5m

Male straight - female straight

M12 - M8, 3-pole

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

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

Plastic housings with good resistance against chemicals and oils.

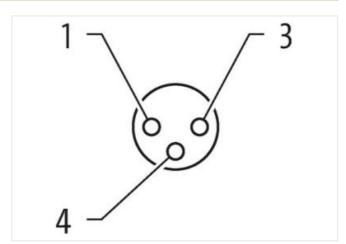
The resistance to aggressive media should be individually tested for your application. Further details on request.

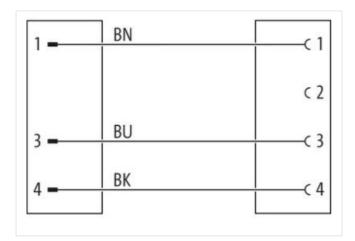
Further cable lengths on request.

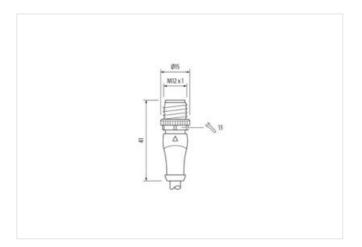
## **Link to Product**

## Illustration





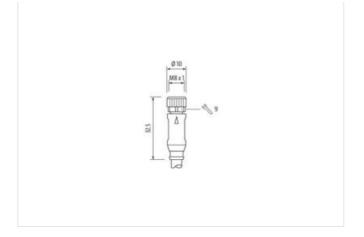






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Product may differ from Image



Cable length





7,5 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)	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	PUR
Width across flats	SW9
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	4048879359306
Packaging unit	1



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Departing voltage DC (UL-listed) Current operating per contact max.  Device protection   Electrical Additional condition protection degree Collution Degree Rated surge voltage Material group (IEC 60664-1)  Mechanical data   Material data Coating locking Coating of fitting Material gasket Locking material	50 V 60 V 30 V 30 V 4 A inserted, screwed 3 1,5 kV I
Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max.  Device protection   Electrical  Additional condition protection degree Pollution Degree Rated surge voltage  Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Coating of fitting  Material gasket  Locking material	30 V 4 A  inserted, screwed 3 1,5 kV I  Nickeled nickel plated
Operating voltage DC (UL-listed) Current operating per contact max.  Device protection   Electrical  Additional condition protection degree Pollution Degree Rated surge voltage  Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Coating of fitting  Material gasket  Locking material	30 V 4 A inserted, screwed 3 1,5 kV I Nickeled nickel plated
Current operating per contact max.  Device protection   Electrical  Additional condition protection degree  Pollution Degree  Rated surge voltage  Material group (IEC 60664-1)	inserted, screwed  3  1,5 kV  I  Nickeled nickel plated
Device protection   Electrical  Additional condition protection degree  Pollution Degree  Rated surge voltage  Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Coating of fitting  Material gasket  Locking material	inserted, screwed  3 1,5 kV I Nickeled nickel plated
Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking Coating of fitting Material gasket Locking material	3 1,5 kV I Nickeled nickel plated
Pollution Degree Rated surge voltage Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Coating of fitting  Material gasket  Locking material	3 1,5 kV I Nickeled nickel plated
Rated surge voltage  Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Coating of fitting  Material gasket  Locking material	1,5 kV I Nickeled nickel plated
Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Coating of fitting  Material gasket  Locking material	Nickeled nickel plated
Mechanical data   Material data  Coating locking  Coating of fitting  Material gasket  Locking material	Nickeled nickel plated
Coating locking Coating of fitting Material gasket Locking material	nickel plated
Coating of fitting  Material gasket  Locking material	nickel plated
Material gasket Locking material	· · · · · · · · · · · · · · · · · · ·
ocking material	
<u> </u>	FKM
Material screw connection	Zinc die-casting
	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	
•	District the connectors by suitable managers from machanical leads of a by the usage of soble ties
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. <b>Attention:</b> 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), DIN EN 61076-2-114 (M8)
Installation   Cable	
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Cable identification	630
Cable Type	3
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	brown, black, blue
Cable weigth	26,4 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	4,1 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PP
Amount wires	3
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire) Diameter of single wires	0,1 mm



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Conductor crosssection (wire)	0,25 mm²
Material conductor wire	Stranded copper wire, bare
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	4,5 A
Electrical resistance line constant wire	79 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	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