

## M8 female 0° A-cod. with cable

PUR 4x0.25 bk UL/CSA+robot+drag ch. 15m

Female straight

Zinc die casting, save-cover coated

M8, 4-pole

Art-No. 7005 - 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.

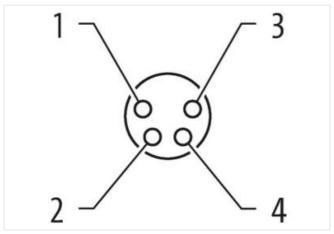
Further cable lengths on request.

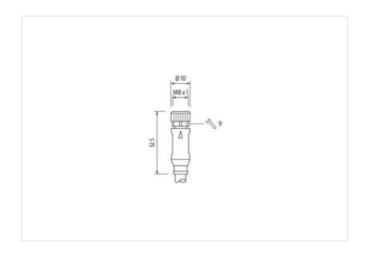
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

15 m

Side 1



stay connected

Mounting method inserted, screwed  Coating contact gold plated  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	
Coating contact       gold plated         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	
Thread M8 x 1 suitable for corrugated tube (internal Ø) 6,5 mm  Coding A  Material contact Copper alloy  Material PUR	
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Coding         A           Material contact         Copper alloy           Material         PUR	
Material contact Copper alloy Material PUR	
Material PUR	
No. of poles 4	
Width across flats SW9	
Degree of protection (EN IEC 60529) IP65, IP66K, IP67	
Side 2	
Stripping length (jacket) 20 mm	
Coating contact gold plated	
Family construction form free cable end	
Commercial data	
ECLASS-6.0 27279218 ECLASS-7.0 27279218	
ECLASS-7.0 27279218  ECLASS-8.0 27279218	
ECLASS-9.0 27060311	
ECLASS-9.0 27060311 ECLASS-10.1 27060311	
ECLASS-10.1 27000311 ECLASS-11.1 27060311	
ECLASS-11.1 27000311  ECLASS-12.0 27060311	
ETIM-5.0 EC001855	
customs tariff number 85444290	
GTIN 4048879581974	
Packaging unit 1	
Electrical data   Supply	
Operating voltage AC max. 50 V	
Operating voltage DC max. 60 V	
Operating voltage AC (UL-listed) 30 V	
Operating voltage DC (UL-listed) 30 V	
Current operating per contact max. 4 A	
Diagnostics	
Status indication LED no	
Installation   Connection	
Stripping length (jacket) 20 mm	
Mounting set M8 x 1	
Device protection   Electrical	
Additional condition protection degree inserted, screwed	
Pollution Degree 3	
Rated surge voltage 1,5 kV	
Rated surge voltage 1,5 kV	
Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I	
Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data   Material data	
Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking safe-cover coated	
Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking safe-cover coated  Coating of fitting nickel plated	
Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking safe-cover coated  Coating of fitting nickel plated  Material gasket FKM	



Mounting method inserted, screwed, Shaking protection

Modriting method	inserted, screwed, channy 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 61076-2-104 (M8)
Installation   Cable	
wire arrangement	brown, black, blue, white
Cable identification	651
Cable Type	5
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires twisted
	brown, black, blue, white
wire arrangement	
Cable weigth	31,9 g/m
Material jacket	PUR
Shore hardness jacket	58 ± 3 Shore D
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	4,7 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PP
Amount wires	4
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	74 ± 3 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	32
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,25 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
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)	2,5 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	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
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C   horizontal
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min