

## M8 male 0° / M12 female 0° A-cod.

PUR 3x0.25 bk UL/CSA+robot+drag ch. 1.5m

Male straight – female straight Zinc die casting, save-cover coated M8 – M12, 3-pole

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

Further cable lengths on request.

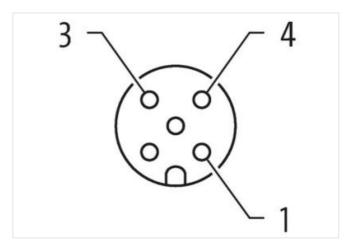
Plastic housings with good resistance against chemicals and oils.

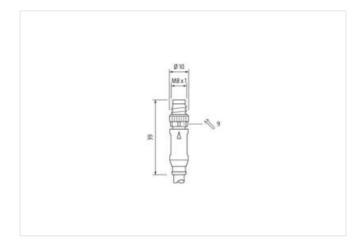
The resistance to aggressive media should be individually tested for your application. Further details on request.

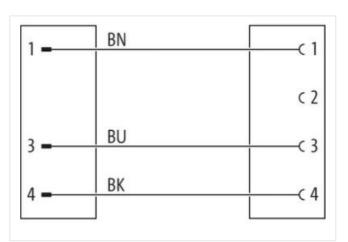
## **Link to Product**

## Illustration



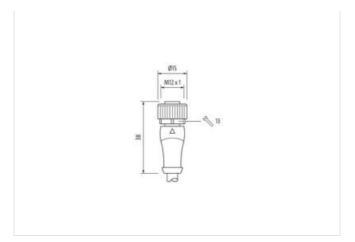


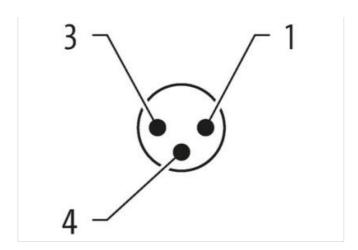






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Product may differ from Image











Cable length	1,5 m
Side 1	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal $\emptyset$ )	6,5 mm
Coding	A
Material contact	Copper alloy
No. of poles	3
Width across flats	SW9
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal $\emptyset$ )	10 mm
Coding	A
Material contact	Copper alloy
No. of poles	3
Width across flats	SW13
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	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



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ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879123785
Packaging unit	1
Electrical data   Supply	
	50 V
Operating voltage AC max.	
Operating voltage DC max.  Operating voltage AC (UL-listed)	60 V 30 V
Operating voltage DC (UL-listed)	
Current operating per contact max.	30 V 4 A
	4 A
Device protection   Electrical	
Degree of protection (EN IEC 60529)	IP65, IP67, IP68, IP66K
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	safe-cover coated
Material gasket	FKM
Material housing	PUR
Locking material	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	<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), DIN EN 61076-2-114 (M8)
Installation   Cable	
Cable identification	650
Cable Type	5
Jacket Color	
	black
Type of Certificate	black cURus
Type of Certificate	cURus
Type of Certificate  Amount stranding	cURus 1
Type of Certificate  Amount stranding  Stranding	cURus 1 3 wires twisted
Type of Certificate  Amount stranding  Stranding  wire arrangement	cURus  1 3 wires twisted brown, black, blue
Type of Certificate  Amount stranding  Stranding  wire arrangement  Cable weigth	cURus  1 3 wires twisted brown, black, blue 26,4 g/m
Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket	cURus  1 3 wires twisted brown, black, blue 26,4 g/m PUR
Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket	cURus  1 3 wires twisted brown, black, blue 26,4 g/m PUR 58 ± 3 Shore D
Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	cURus  1 3 wires twisted brown, black, blue 26,4 g/m PUR 58 ± 3 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)	cURus  1 3 wires twisted brown, black, blue 26,4 g/m PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,3 mm
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)	cURus  1 3 wires twisted brown, black, blue 26,4 g/m PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free 4,3 mm ± 5 %
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	cURus  1 3 wires twisted  brown, black, blue  26,4 g/m  PUR  58 ± 3 Shore D  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  4,3 mm  ± 5 %  PP



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
Traversing distance (C-track)	5 m @ 25 °C   horizontal
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
Nominal voltage power AC max.	300 V
Power frequency withstand voltage power (wire - jacket)	2,5 kV @ 60 s
AC withstand voltage power (wire - wire)	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 § 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
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of torsion cycles	1 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 360 °/m