

## M8 male 0° / M12 female 90° A-cod.

PVC 3x0.25 gy UL/CSA 1m

Male straight – female 90° M8 – M12, 3-pole M12, A-coded

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

Further cable lengths on request.

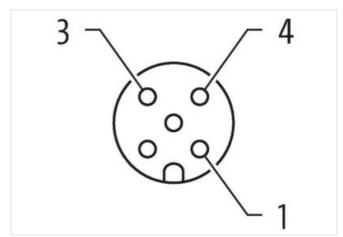
Plastic housings with good resistance against chemicals and oils.

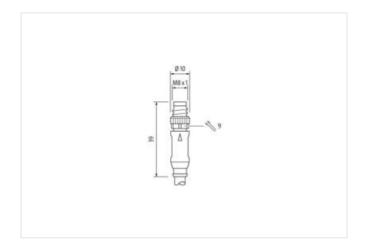
The resistance to aggressive media should be individually tested for your application. Further details on request.

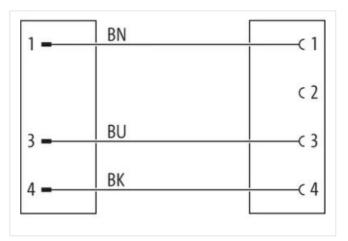
## **Link to Product**

## Illustration



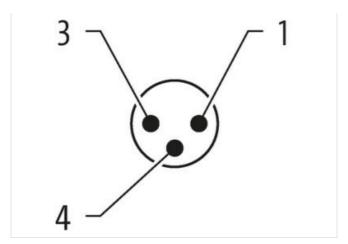


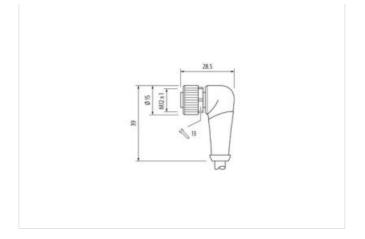






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Product may differ from Image











Cable length	1 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 Ø)	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	4048879123129
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	47.
Status indication LED	20
	no
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	Nickeled
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	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
-	
	endangered by excessive bending forces.
Conformity	endangered by excessive bending forces.
Conformity Product standard	
Conformity Product standard Installation   Cable	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Conformity Product standard Installation   Cable Cable identification	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  210
Conformity Product standard Installation   Cable Cable identification Cable Type	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  210 1
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  210  1  gray
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  210  1  gray cURus
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  210 1 gray cURus 1
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  210  1  gray  cURus  1  3 wires twisted
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  210  1  gray  cURus  1  3 wires twisted  brown, black, blue
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  210  1  gray  cURus  1  3 wires twisted  brown, black, blue  29,37 g/m
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  210  1  gray  cURus  1  3 wires twisted  brown, black, blue  29,37 g/m  PVC
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  210 1 gray cURus 1 3 wires twisted brown, black, blue 29,37 g/m PVC 85 ± 5 Shore A
Conformity  Product standard  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)	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  210  1  gray  cURus  1  3 wires twisted  brown, black, blue  29,37 g/m  PVC  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free
Conformity  Product standard  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)  Outer-diameter (jacket)	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  210  1  gray  cURus  1  3 wires twisted  brown, black, blue  29,37 g/m  PVC  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  4,5 mm
Conformity  Product standard  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)	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  210  1  gray  cURus  1  3 wires twisted  brown, black, blue  29,37 g/m  PVC  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free



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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 mm <sup>2</sup>
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	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	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
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