

stay connected

## M8 female 90° A-cod. with cable

PUR 3x0.25 ye UL/CSA+robot+drag ch. 10m

Female 90°

Zinc die casting, save-cover coated

M8, 3-pole

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

with cable sleeves

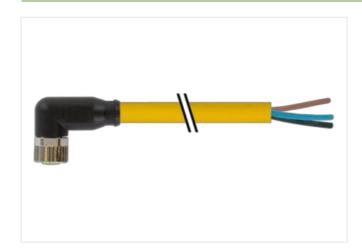
Plastic housings with good resistance against chemicals and oils.

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

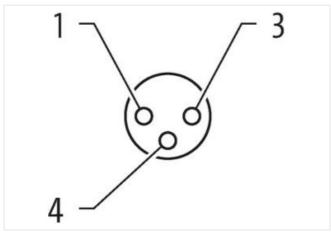
Further cable lengths on request.

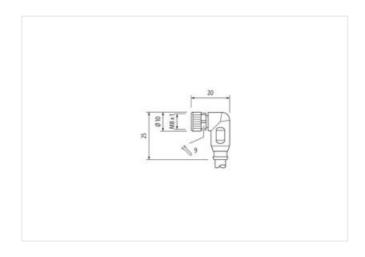
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

10 m

Side 1



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Tightening torque         0,4 Nm           Mounting method         inserted, screwed           Costing contract         gold plated           Family construction form         M8           Thread         M8 x 1           suitable for corrugated tube (internal Ø)         6,5 mm           Cable outlet         angled           Coding         A           Material         PUR           No. of poles         3           Width across flats         SW9           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2         Stripping length (jacket)           Stripping length (jacket)         20 mm           Costing construction form         free cable end           Commercial date         CCLASS-6.0           ECLASS-6.1         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27060311           ECLASS-1.1         27060311           ECLASS-1.1.         27060311           ECLASS-1.2.0         27060311           ECLASS-1.1.         27060311           ECLASS-1.2.0         27060311           ECLASS-1.1         27060311		
Coating contact         gold plated           Family construction form         M8           Thread         M8 x 1           suitable for corrugated tube (internal 0)         6,5 mm           Cable outlet         angled           Coding         A           Material contact         Copper alloy           Material         PUR           No. of poles         3           Width across flats         SW9           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2         Stripping length (jacket)           Stripping length (jacket)         20 mm           Coating contact         gold plated           Family construction form         free cable end           Commercial data         27279218           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27660311           ECLASS-10.1         27660311           ECLASS-10.1         27660311           ECLASS-12.0         27660311           ECLASS-12.0         ECON1855           customs traif number         8544290		
Family construction form		
Thread		
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Cable outlet         angled           Coding         A           Material contact         Copper alloy           Material         PUR           No. of poles         3           Width across flats         SW9           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2           Stripping length (jacket)           Omm           Coating contact         gold plated           Family construction form         free cable end           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           ETIM-5.0         EC001855           oustoms tariff number         85444290           GTIN         4048879228893           Packaging unit         1           Electrical data   Supply           Operating voltage AC (utlisted)         30 V           Operating voltage AC (utlisted		
Coding		
Material         Copper alloy           Material         PUR           No. of poles         3           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-6.1         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27060311           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         4048879228893           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         50 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC max.         60 V           Operat		
Material		
No. of poles         3           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-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           ECIMSS-12.0		
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Coating contact         gold plated           Family construction form         free cable end           Commercial data         Family construction form           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           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879228893           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         50 V           Operating voltage DC max.         60 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Diagnostics		
Family construction form   Free cable end		
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           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879228893           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         50 V           Operating voltage DC max.         60 V           Operating voltage AC (UI-listed)         30 V           Current operating per contact max.         4 A		
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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 4048879228893  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		
ECLASS-10.1 27060311  ECLASS-11.1 27060311  ECLASS-12.0 27060311  ETIM-5.0 EC001855  customs tariff number 85444290  GTIN 4048879228893  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		
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Operating voltage DC (UL-listed) 30 V Current operating per contact max. 4 A  Diagnostics		
Diagnostics		
110		
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		
Material group (IEC 60664-1)		
Mechanical data   Material data		
Coating locking safe-cover coated		
Coating of fitting nickel plated		
Material gasket FKM		
Locking material Zinc die-casting		

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: 2024-05-18



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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	<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 61076-2-104 (M8)
Installation   Cable	
	050
Cable identification	050
Cable Type  Jacket Color	5
Jacket Golor Type of Certificate	yellow cURus
Amount stranding	t t
Stranding	3 wires twisted
wire arrangement	brown, black, blue
Cable weigth	26,4 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)	4,3 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	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
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
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

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Oil resistance	DIN EN 60811-404   Good, application-related testing
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	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min