

## M8 female 0° A-cod. with cable

PUR 4x0.25 ye UL/CSA+drag ch. 20m

Female straight

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.

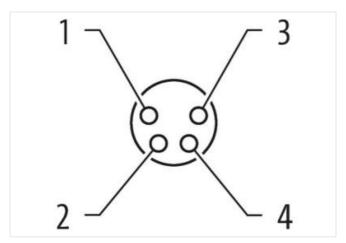
Further cable lengths on request.

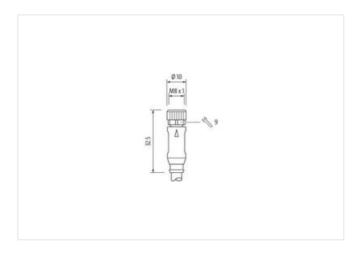
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

20 m

Side 1

Tightening torque

0,4 Nm

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: 2024-05-20



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Costing contact	Mounting method	inserted, screwed
Family construction form		gold plated
Thread		
Description   A   Material contact   Copper alloy		
Description   A   Material contact   Copper alloy	suitable for corrugated tube (internal Ø)	6.5 mm
Material contact         Copper alloy           Material         PUR           No. of poles         4           Width across flats         SW9           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Sidio 2           Stripping length (jacket)         20 mm           Coating contact         gold plated           Family construction form         Iree cable end           Commercial data           ECLASS-8.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27093311           ECLASS-9.0         27093311           ECLASS-1.1         27090311           ECLASS-1.2         27093311           ECLASS-1.2         2709311           ECLASS-1.1         2709311           ECLASS-1.2.0         2709311           ECLASS-1.2.0         ECO1855           customs tariff number         85444290           GTIN         4048879230094           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         50 V </td <td></td> <td></td>		
Material   PUR   No. of poles   4		Copper alloy
Width across flats         SW9           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Stice 2         Stripping length (jacket)         20 mm           Ceating contact         gold plated           Family construction form         free cable end           Commercial date           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           Customs tariff number         85444290           GTIN         4048878230094           Packaging unit         1           Electrical data [Supply           Operating voltage AC max.         60 V           Operating voltage AC (IL-listed)         30 V           Operating voltage AC (IL-listed)         30 V           Operating per contact max.         4 A           Viagnostics         Situs indication LED         no           Situpping length (jacket)         20 mm           Mounting set         M8 x 1		
Width across flats   SW9   Pe56, Pe6K, Pe67	No. of poles	4
Stripping length (jacket)	·	SW9
Stripping length (jacket)	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Coating contact   gold plated	Side 2	
Coating contact   gold plated	Stripping longth (incket)	20 mm
Family construction form   free cable end		
Commercial data		
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ECLASS-7.0 27279218  ECLASS-8.0 27279218  ECLASS-9.0 27060311  ECLASS-10.1 27060311  ECLASS-11.1 27060311  ECLASS-12.0 27060311  ECLASS-12.0 ECONSS-5  Customs tariff number 85444290  GTIN 4048879230094  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 50 V  Operating voltage AC max. 60 V  Operating voltage AC (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   Material data   Mickeled  Cating locking Nickeled		
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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  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled	Operating voltage DC max.	60 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  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled	Operating voltage AC (UL-listed)	30 V
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  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled	Operating voltage DC (UL-listed)	30 V
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  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled	Current operating per contact max.	4 A
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Stripping length (jacket)  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  Nickeled		no
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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		
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Pollution Degree 3 Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled		
Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled	<u> </u>	·
Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Nickeled		
Mechanical data   Material data  Coating locking Nickeled		· · · · · · · · · · · · · · · · · · ·
Coating locking Nickeled		<u> </u>
	Mechanical data   Material data	
Coating of fitting nickel plated	<u> </u>	Nickeled
	Coating of fitting	nickel plated
Material gasket FKM	Material gasket	FKM
Locking material Zinc die-casting		Zinc die-casting
Material screw connection Zinc die-casting	Material screw connection	Zinc die-casting
Mechanical data   Mounting data	Mechanical data   Mounting data	
Mounting method inserted, screwed, Shaking protection	Mounting method	inserted, screwed, Shaking protection



stay connected

No. and Paras Administration of the Control of the	05.00
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
lote 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	
roduct standard	DIN EN 61076-2-104 (M8)
Installation   Cable	
vire arrangement	brown, black, blue, white
Cable identification	031
Cable Type	3
acket Color	yellow
ype of Certificate	cURus
Amount stranding	1
Stranding	4 wires twisted
vire arrangement	brown, black, blue, white
Cable weigth	33 g/m
Naterial jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
reedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	4,5 mm
olerance outer diameter (sheath)	± 5 %
Material wire insulation	PP
mount wires	4
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	70 ± 5 Shore D
ngredient 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 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
lominal 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 - acket)	2,5 kV @ 60 s
fin. 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 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
hemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Dil resistance	Good, application-related testing   DIN EN 60811-404
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)	10 m @ 25 °C   horizontal
Travel speed (C-track)	3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min