

## M8 female 0° A-cod. with cable shielded

PUR 1x4xAWG26 shielded gn UL/CSA+drag ch. 5m

Female straight M8, 4-pole shielded

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

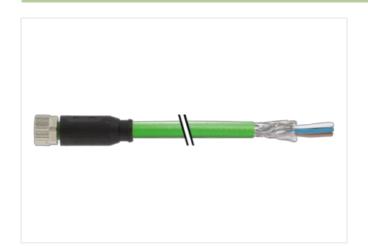
Plastic housings with good resistance against chemicals and oils.

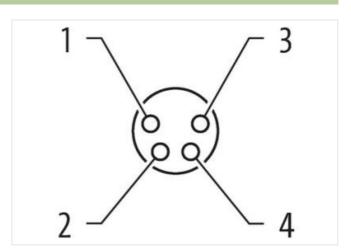
The resistance to aggressive media should be individually tested for your application. Further details on request.

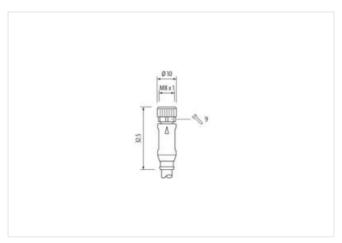
Further cable lengths on request.

## **Link to Product**

## Illustration







Product may differ from Image













Cable length

5 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



stay connected

Coating contact	Mounting method	inserted, screwed
Family construction from         MB           Throad         MB x 1           suitable for corrugated tube (internal C)         6.5 mm           Cacilian collet         straight           Cading         A           Material contact         Copper aley           Material contact         Copper aley           Material contact         SV9           No. of potes         4           Width across fast         SW9           Degree of protection (EN IEC 6052)         PF7           Stripping legals (packet)         20 mm           Cartaing contact of point (packet)         20 mm           Cartaing contact of point (packet)         20 mm           Cartaing contact of packets of point (packet)         20 mm           Cartaing packets of packets o		<u> </u>
Timesard   Miles   Miles		
autiable for corrugated tube (internal D)         6.5 mm           Cadio quild         straight           Coding         A           Material contact         Copper alloy           Macrial policies         4           Mich across flats         SW9           Degree of protection (EN IEC 60529)         IP67           Side 2         Side 2           Stypping length (jacket)         20 mm           Coasing contact         gold plated           Family construction form         free cable and           Commercial data         Commercial data           ECLASS-8.0         2779818           ECLASS-8.1         27069307           ECLASS-8.0         27069307           ECLASS-8.0         27069307           ECLASS-8.0         27069307           ECLASS-9.0         27069307           ECLASS-11         27069307           ECLASS-12.0         27069307           ECLASS-13.1         27069307           ECLASS-14.0         27069307           ECLASS-15.0         27069307           ECLASS-16.1         27069307           ECLASS-17.0         27069307           ECLASS-18.1         27069307           ECLASS-19.0		
Cable Outling         A n           Coding         A n           Material Control         Copper alloy           Material Outling         PUR           No. of police         4           Width arouse flats         SW9           Degree of protection (EN IEC 60529)         IP67           Sidio 2         IP67           Stroping length (jacker)         20 mm           Coating comment         pold plated           Family construction from         fee cable end           Commercial data         27729218           ECLASS 6.0         27279218           ECLASS 7.0         27000307           ECLASS 7.0         27000307           ECLASS 9.0         27000307           ECLASS 9.0         27000307           ECLASS 1.1         27000307           ECLASS 1.2.0         27000307           ECLASS 1.0         1.5 A           <		
Coding		·
Material         Copper alloy           Material         PUR           No. of poles         4           Width across flats         SW9           Degree of protection (EN IEC 80529)         IP67           Side 2         Stripping length (lacket)         20 mm           Stripping length (lacket)         20 mm           Containg construction form         fere cable end           Containg construction form         fere cable end           ECLASS 6.1         27060007           ECLASS 6.1         27060007           ECLASS 7.0         27060007           ECLASS 8.0         27060007           ECLASS 9.0         27060007           ECLASS 9.0         27060007           ECLASS 9.0         27060007           ECLASS 1.1         27060007           ECLASS 1.2.0         27060007           ECLASS 1.2.0         27060007           ECLASS 1.2.0         27060007           ECLASS 1.2.0         27060007           Packagng unit         1           Electrical data ISupply         404887987939           Packagng unit         4059           Electrical data ISupply         50           Councit operaling por contact max.         1,5 A		<del>-</del>
Material   PUR   No. of poles		
No. of poles         4           Width across flats         SW9           Degree of protection (FN IEC 60529)         IP67           Side 2           Stripping length (facket)         20 mm           Coating contract         gold plated           Family construction from         fee cable and           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-8.0.1         27060307           ECLASS-9.0         27060307           ECLASS-1.0.1         27060307           ECLASS-1.0.2         27060307           ECLASS-1.0.3         27060307           ECLASS-1.0.1         27060307		
Width across fields         SW9           Degree of protection (EN IEC 60528)         IP67           Stick 2         Stripping length (jacket)         20 mm           Coating contact         gold plated           Family construction form         free cable and           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-13.1         27060307           ECLASS-14.1         27060307           ECLASS-15.0         ECO02599           ECLASS-16.1         27060307           ETIM-5.0         ECO02599           Causion stant flumber         60444520           OTIM         4048879877039           Packaging unit         1           Electrical data is Supply           Operating voltage DC max.         60 V           Current operating per contact max.         1,5 A           Industrial communication         1           Stra		
Degree of profection (EN IEC 60529)		
Side 2           Strippin langth (jacket)         20 mm           Coating contact         gold plated           Family construction form         firee cable end           Commercial data           ECLASS-6.0         2779/218           ECLASS-7.0         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-1.1         27060307           ECLASS-1.1.1         27060307           ECLASS-1.2.0         27060307           ETM-5.0         EC002599           usonom sulff number         85444290           GTIN         4048879877039           Packaging unit         1           Electrical data   Supply           Operating voltage DC max         60 V           Current operating per contact max         1,5 A           Installation   Connection         Stitpoin longlif (jacket)           Status indication LED         no           Installation   Connection         Stitpoin longlif (jacket)           Mounting set         M8 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed		
Casting contact         gold plated           Family construction form         free cable end           Commercial dats         Commercial dats           ECLASS-6.0         27729218           ECLASS-6.1         27069307           ECLASS-7.0         27069307           ECLASS-8.0         27069307           ECLASS-9.0         27069307           ECLASS-10.1         27069307           ECLASS-11.1         27069307           ECLASS-12.0         27069307           ECLASS-12.0         27069307           ECLASS-12.0         27069307           GTIM -0         EC002599           customs tariff number         85444290           GTN         4048879877039           Packaging unit         1           Electrical data   Supply           Operating vortage DC max.         60 V           Current operating per contact max.         1,5 A           Industrial communication         With reference to CATS, Class D (ISO/IEC 11801)           Diagnostics         Status indication LED         no           Installation   Connection         M8 x 1           Device protection   Electrical         Additional condition protection dependence in inserted, screwed           Pollution Dogree		
Casting contact         gold plated           Family construction form         free cable end           Commercial dats         Commercial dats           ECLASS-6.0         27729218           ECLASS-6.1         27069307           ECLASS-7.0         27069307           ECLASS-8.0         27069307           ECLASS-9.0         27069307           ECLASS-10.1         27069307           ECLASS-11.1         27069307           ECLASS-12.0         27069307           ECLASS-12.0         27069307           ECLASS-12.0         27069307           GTIM -0         EC002599           customs tariff number         85444290           GTN         4048879877039           Packaging unit         1           Electrical data   Supply           Operating vortage DC max.         60 V           Current operating per contact max.         1,5 A           Industrial communication         With reference to CATS, Class D (ISO/IEC 11801)           Diagnostics         Status indication LED         no           Installation   Connection         M8 x 1           Device protection   Electrical         Additional condition protection dependence in inserted, screwed           Pollution Dogree	Stripping length (jacket)	20 mm
Family construction form   free cable end	-	
Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           EVENTA ON ECONCESPS         Customs tariff number           Usus toms tariff number         85444290           GTIN         4048679877039           Packaging unit         1           Electrical data   Supply           Operating voltage DC max.         60 V           Current operating per contact max.         1,5 A           Industrial communication           Transfer parameters         With reference to CAT5, Class D ((SO/IEC 11801)           Diagnostics           Status indication LED         no           Installation   Connection           Status indication LED           Mounting set         M8 x 1           Device protection   Electrical           Additional condition protection degree		
ECLASS-6.0         27279218           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC002599           customs tariff number         8544290           GTIN         4048879877039           Packaging unit         1           Electrical data   Supply           Operaling voltage DC max.         60 V           Current operating per contact max.         1,5 A           Industrial communication         1           Transfer parameters         With reference to CAT5, Class D (ISO/IEC11801)           Diagnostics         Status indication LED           Stripping length (jacket)         20 mm           Mounting set         M8 x 1           Device protection   Electrical           Additional condition protection degree         3           Rate argue you (lace 60664-1)         1           Mechanical data   Material data         Inschelp data           Coating locking         Nickeled           Coating locking		
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ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC002599           customs tariff number         85444290           GTIN         4048879877039           Packaging unit         1           Electrical data   Supply           Operating voltage DC max.         60 V           Current operating per contact max.         1,5 A           Industrial communication           Transfer parameters         Wift reference to CAT5, Class D (ISO/IEC 11801)           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 you [Lec 60664-1)         1           Mechanical data   Material data      <	-	
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ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC002599           customs tariff number         8544290           GTIN         4048879877039           Packaging unit         1           Electrical data   Supply           Operating voltage DC max.           60 V           Current operating per contact max.         1,5 A           Industrial communication           Transfer parameters         With reference to CAT5, Class D (ISO/IEC 11801)           Diagnostics           Status indication LED         no           Installation   Connection           Stripping length (facket)         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)         1           Mechanical data   Material data         Coating locking         Nickeled           Coating of fitting         nickel plated      <		
ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC002599           customs tariff number         85444290           GTIN         4048879877039           Packaging unit         1           Electrical data   Supply         Operating voitage DC max.         60 V           Current operating per contact max.         1,5 A           Industrial communication         Transfer parameters         With reference to CAT5, Class D (ISC/IEC 11801)           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 80664-1)         1           Mechanical data   Material data         Coating of fitting         nickel palated           Coating of fitting         nickel palated           Locking material         Zinc die-ca		
ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC002599           customs tariff number         85444290           GTIN         4048879877039           Packaging unit         1           Electrical data   Supply           Operating voltage DC max.         60 V           Current operating per contact max.         1,5 A           Industrial communication           Transfer parameters         With reference to CAT5, Class D (ISO/IEC 11801)           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 of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting		
ECLASS-12.0         27060307           ETIM-5.0         EC0002599           customs tariff number         85444290           GTIN         4048879877039           Packaging unit         1           Electrical data   Supply           Operating voltage DC max.         60 V           Current operating per contact max.         1,5 A           Industrial communication           Transfer parameters         With reference to CAT5, Class D (ISO/IEC 11801)           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 of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection		
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Transfer parameters With reference to CAT5, Class D (ISO/IEC 11801)  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  Coating of fitting nickel plated  Material gasket FKM  Locking material Zinc die-casting  Material screw connection Zinc die-casting	Current operating per contact max.	1,5 A
Transfer parameters With reference to CAT5, Class D (ISO/IEC 11801)  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  Coating of fitting nickel plated  Material gasket FKM  Locking material Zinc die-casting  Material screw connection Zinc die-casting	Industrial communication	
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  Coating of fitting nickel plated  Material gasket FKM  Locking material Zinc die-casting  Material screw connection Zinc die-casting	Transfer parameters	With reference to CAT5, Class D (ISO/IEC 11801)
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  Coating of fitting nickel plated  Material gasket FKM  Locking material Zinc die-casting  Material screw connection Zinc die-casting	Diagnostics	
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)  I  Mechanical data   Material data  Coating locking  Nickeled  Coating of fitting  nickel plated  Material gasket  FKM  Locking material  Zinc die-casting  Material screw connection  Zinc die-casting	Status indication LED	no
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  Coating of fitting nickel plated  Material gasket FKM  Locking material Zinc die-casting  Material screw connection Zinc die-casting	Installation   Connection	
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  Coating of fitting nickel plated  Material gasket FKM  Locking material Zinc die-casting  Material screw connection Zinc die-casting	Stripping length (jacket)	20 mm
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  Coating of fitting nickel plated  Material gasket FKM  Locking material Zinc die-casting  Material screw connection Zinc die-casting	Mounting set	M8 x 1
Pollution Degree 3 Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Material gasket FKM  Locking material Zinc die-casting  Material screw connection Zinc die-casting	Device protection   Electrical	
Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Material gasket FKM  Locking material Zinc die-casting  Material screw connection Zinc die-casting	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1)    Mechanical data   Material data	Pollution Degree	3
Mechanical data   Material data       Coating locking     Nickeled       Coating of fitting     nickel plated       Material gasket     FKM       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting	Rated surge voltage	1,5 kV
Coating locking  Nickeled  Coating of fitting  nickel plated  Material gasket  FKM  Locking material  Zinc die-casting  Material screw connection  Zinc die-casting	Material group (IEC 60664-1)	I
Coating of fitting nickel plated  Material gasket FKM  Locking material Zinc die-casting  Material screw connection Zinc die-casting	Mechanical data   Material data	
Material gasket FKM  Locking material Zinc die-casting  Material screw connection Zinc die-casting	Coating locking	Nickeled
Locking material     Zinc die-casting       Material screw connection     Zinc die-casting	Coating of fitting	nickel plated
Material screw connection Zinc die-casting	Material gasket	FKM
	Locking material	Zinc die-casting
Mechanical data   Mounting data	Material screw connection	Zinc die-casting
	Mechanical data   Mounting data	



Mounting method inserted, screwed, Shaking protection

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	
	Potentificación de la Valda conserva formación de la conserva forbita del conserva forbita de la conserva forbita
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	
wire arrangement	white, orange, blue, yellow
Cable identification	791
Jacket Color	green
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires star-shaped twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Fiber tape, Fleece, Foil
Filler	yes
wire arrangement	white, orange, blue, yellow
Cable weigth	59,4 g/m
Material jacket	PUR
Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free
Outer-diameter (jacket)	4,9 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PP
Amount wires	4
Outer diameter insulation	1,04 mm
Outer diameter tolerance core insulation	± 5 %
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire)	19
Diameter of single wires	26 AWG
Conductor crosssection (wire)	26 AWG
Material conductor wire	copper stranded wire, tinned
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	2,4 A
Characteristic impedance	100 Ω ± 15 % @ 100 MHz
Electrical resistance line constant wire	140 Ω/km
AC withstand voltage (wire - wire)	0,7 kV @ 60 s
Electric capacitance	51000 pF/km
Power frequency withstand voltage (wire - jacket)	0,7 kV @ 60 s
AC withstand voltage (wire - shield)	0,7 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090



Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	7,5 x Outer diameter
Bending radius (dynamic)	12,5 x Outer diameter
Traversing distance (C-track)	5 m
Travel speed (C-track)	3 m/s