

## M8 female 90° A-cod. with cable

PUR 4x0.25 bk UL/CSA+drag ch. 7.5m

Female 90° 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.

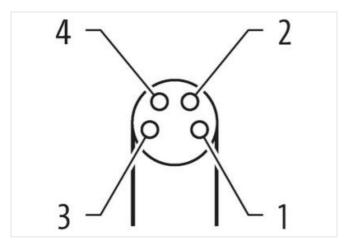
Further cable lengths on request.

## **Link to Product**

## Illustration









Product may differ from Image











Cable length

7,5 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: 2024-06-26



stay connected

Cealing contact         gold plated           Tamaly construction from         M8           Thread         M8 x 1           suitable for convigance (uble (internal 0))         angled           Coding         A           Material contact         Copper alloy           Material         PUR           No. of policie         4           With across fata         SW9           Degree of protection (EN IEC 00529)         IPSE, IPSE, IPSE           Stripping length (jacket)         20 mm           Family construction from         free cable and           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0.1         27279218           ECLASS-9.0         27000311           ECLASS-1.1         27000311           ECLASS-1.2.0         27000311           ECLASS-1.	Mounting method	inserted, screwed
Family construction from M8   Thread		
Tread		
Cable outlet         anglod           Coding         A           Material contact         Coppor alloy           Material         PUR           No. of poles         4           With across flats         SW9           Degree of pratection (EN IEC 80529)         PS6, IP68, IP67           Side 2         Stripping length (jacker)           Stripping length (jacker)         20 mm           Farmity construction form         the cable end           Commercial data         Commercial data           ECLASS-6.0         27278218           ECLASS-7.0         22778218           ECLASS-8.8         27279218           ECLASS-9.0         27000311           ECLASS-9.1         27000311           ECLASS-10.1         27000311           ECLASS-11.1         27060311           ECLASS-12.0         27000311		
Cable outlet         anglod           Coding         A           Material contact         Coppor alloy           Material         PUR           No. of poles         4           With across flats         SW9           Degree of pratection (EN IEC 80529)         PS6, IP68, IP67           Side 2         Stripping length (jacker)           Stripping length (jacker)         20 mm           Farmity construction form         the cable end           Commercial data         Commercial data           ECLASS-6.0         27278218           ECLASS-7.0         22778218           ECLASS-8.8         27279218           ECLASS-9.0         27000311           ECLASS-9.1         27000311           ECLASS-10.1         27000311           ECLASS-11.1         27060311           ECLASS-12.0         27000311		6.5 mm
Coding		
Material contact         Copper alloy           Material         PUR           No. of potes         4           Width across flats         SW9           Degree of protection (EN IEC 60529)         IP95, IP96K, IP67           Side 2         SWP           Simpoing length (lacker)         20 mm           Family construction from         fee cable end           Commercial data         Commercial data           ECLASS-8.0         27279218           ECLASS-9.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-13.0         27060311           ECLASS-14.0         27060311           ECLASS-16.0         27060311           ECLASS-17.1         27060311           ECLASS-18.2         27060311           ECLASS-19.0         27060311           ECLASS-10.1         40487022780           Packaging unit         1           Electrical data I Supty           Operating voltage AC max.         50 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)		
Material   PUR   No. ol poles		
No. of poles         4           Width across flats         SW9           Degree of protection (ENTEC 60529)         IP66, IP66K, IP67           Side 2         Stripping length (facket)         20 mm           Family construction form         rece cable and           Commercial data           ECLASS-6.0         22729218           ECLASS-7.0         27279218           ECLASS-8.0         2778216           ECLASS-9.0         27060311           ECLASS-9.1         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-18.0         27060311           ECLASS-19.0         27060311           ECLASS-10.1         35144230           GTIN         4046979227360           Pockaging unit         1 </td <td></td> <td></td>		
Width arose flats         SWB           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2         Stripping length (jacked)         20 mm           Farmity construction form         rea cable end           Commercial date         Commercial date           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-9.1         27060311           ECLASS-1.1         27060311           ECLASS-1.2.0         27060311           ECLASS-1.1         27060311           ECLASS-1.2.0         27060311           ECLASS-1.1         27060311           ECLASS-1.2.0         27060311           ECLASS-1.1         27060311           ECLASS-1.2.0         27060311           ECLASS-1.0         27060311           ECLASS-1.0         27060311           ECLASS-1.1         27060311           ECLASS-1.2.0         27060311           ECLASS-1.2.0         27060311           ECLASS-1.2.0         27060311           ECLASS-1.2.1         27060311           ECLASS-1.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	No. of poles	4
Side 2           Stripping length (jacket)         20 mm           Family construction from         free cable and           Commercial data	Width across flats	SW9
Side 2           Stripping length (jacket)         20 mm           Family construction from         free cable and           Commercial data	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Family construction form         free cable end           Commercial data           ECLASS-0.0         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           Electrical data   Supply         30 V           Operating voltage AC max.         50 V           Operating vol		
Family construction form         free cable end           Commercial data           ECLASS-0.0         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           Electrical data   Supply         30 V           Operating voltage AC max.         50 V           Operating vol	Stripping length (jacket)	20 mm
Commercial data           ECLASS-6.0         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           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         8544290           GTIN         4048879227360           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           Olagnostics         Status indication LED           Status indication   Connection         Wax 1           Device protection   Electrical         M8 x 1           Degree of protection   Electrical         1,5 kV           Material gaster   Listed		free cable end
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         4048879227360           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         50 V           Operating voltage AC (IL-listed)         30 V           Operating voltage DC max.         60 V           Operating voltage DC (IU-listed)         30 V           Operating voltage DC (IU-listed)         30 V           Operating voltage DC (IU-listed)         30 V           Orange of portection (Entertical)         no           Installation   Connection           Strapping length (jacket)         20 mm           Mounting set         M8 x 1           Device protection   Electrical           Device protection   Electrical         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material goaker		
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         4048879227360           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         50 V           Operating voltage AC (IL-listed)         30 V           Operating voltage DC max.         60 V           Operating voltage DC (IU-listed)         30 V           Operating voltage DC (IU-listed)         30 V           Operating voltage DC (IU-listed)         30 V           Orange of portection (Entertical)         no           Installation   Connection           Strapping length (jacket)         20 mm           Mounting set         M8 x 1           Device protection   Electrical           Device protection   Electrical         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material goaker	ECLASS-6.0	27279218
ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-17.0         ECO01855           customs tariff number         85444290           GTIN         4048879227360           Packaging unit         1           Electrical data   Supply         Feetrical data   Supply           Operaling voltage AC max.         50 V           Operating voltage AC (ILL-listed)         30 V           Operating voltage AC (ILL-listed)         30 V           Operating voltage DC (ILL-listed)         30 V           Operating oper contact max.         4 A           Diagnostics         Status indication LED           Stratus indication   Connection         Installation   Connection           Stripping length (gacket)         20 mm           Mounting set         M8 x 1           Degree of protection   Electrical         20 mm           Degree of protection   degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material goacking         Nickeled           Coating of fitting		
ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC01855           customs tariff number         85444290           GTIN         404887922780           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.           Operating voltage AC max.         60 V           Operating voltage AC (UL-listed)         30 V           Installation (Demention Electrical Properties of the Colspan in Properti		
ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879227360           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           Current operating per contact max.         4 A           Diagnostics           Status indication LED         no           Installation   Connection           Stripping length (jacket)         20 mm           Mounting set         M8 x 1           Degree of protection   Electrical           Degree of protection (EN IEC 60529)         IP65, IP67, IP66K           Additional condition protection degree         inserted, screwed           Polition Degree         3           Rated surge voltage         1,5 kV           Material gasket         IKM           Locking material         Zinc die-casting           Material		
ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048679227360           Packaging unit         1           Electrical data   Supply         Operating voltage AC max.           Operating voltage AC max.         60 V           Operating voltage AC (UL-listed)         30 V           Installation (AC (UL-listed)         30 V           Plagmostics         Status indication LED           Installation (AC (UL-listed)         10 mm           Mounting Set (UL-listed)         20 mm           Mounting Set (UL-listed)         20 mm           Degree of protection (EN IEC 60529)         IP65, IP67, IP66K           Additional condition protection de		
ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879227360           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           Current operating per contact max.         4 A           Diagnostics           Status indication LED         no           Installation   Connection           Stripping length (jacket)         20 mm           Mounting set         M8 x 1           Degree of protection   Electrical           Degree of protection   Electrical         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         Coating foking         Nickeled           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting		27060311
ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879227360           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           Current operating per contact max.         4 A           Diagnostics           Status indication LED         no           Installation   Connection           Stripping length (jacket)         20 mm           Mounting set         M8 x 1           Degree of protection   Electrical           Degree of protection   Electrical         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         Coating foking         Nickeled           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting	ECLASS-12.0	27060311
GTIN 4048879227360 Packaging unit 1  Electrical data   Supply Operating voltage AC max. 50 V Operating voltage AC (U.L-listed) 30 V Operating voltage AC (U.L-listed) 30 V Operating voltage AC (U.L-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 Degree of protection (EN IEC 60529) IP65, IP67, IP66K Additional condition protection degree inserted, screwed  Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 6064-1) I  Mechanical data   Material data  Coating locking nickel plated Material gasket FKM Locking material Zinc die-casting Material screw connection Zinc die-casting Material screw connection Zinc die-casting Material screw connection Zinc die-casting	ETIM-5.0	
GTIN 4048879227360 Packaging unit 1  Electrical data   Supply Operating voltage AC max. 50 V Operating voltage AC (U.L-listed) 30 V Operating voltage AC (U.L-listed) 30 V Operating voltage AC (U.L-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 Degree of protection (EN IEC 60529) IP65, IP67, IP66K Additional condition protection degree inserted, screwed  Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 6064-1) I  Mechanical data   Material data  Coating locking nickel plated Material gasket FKM Locking material Zinc die-casting Material screw connection Zinc die-casting Material screw connection Zinc die-casting Material screw connection Zinc die-casting	customs tariff number	85444290
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  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  Degree of protection (EN IEC 60529) IP65, IP67, 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 looking Nickeled  Coating looking nickel plated  Material gasket FKM  Looking material Zinc die-casting  Material screw connection Zinc die-casting		4048879227360
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Status indication LED no  Installation   Connection  Stripping length (jacket) 20 mm  Mounting set M8 x 1  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67, 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  Coating of fitting nickel plated  Material gasket FKM  Locking material Zinc die-casting  Material screw connection Zinc die-casting	Current operating per contact max.	4 A
Installation   Connection  Stripping length (jacket) 20 mm  Mounting set M8 x 1  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67, 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  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  Degree of protection (EN IEC 60529)  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  Coating of fitting nickel plated  Material gasket FKM  Locking material  Material screw connection Zinc die-casting	Status indication LED	no
Mounting set M8 x 1  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67, 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  Coating of fitting nickel plated  Material gasket FKM  Locking material Screw connection Zinc die-casting  Material screw connection Zinc die-casting	Installation   Connection	
Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67, 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  Coating of fitting nickel plated  Material gasket FKM  Locking material Screw connection Zinc die-casting	Stripping length (jacket)	20 mm
Degree of protection (EN IEC 60529)  IP65, IP67, 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  Coating of fitting nickel plated  Material gasket FKM  Locking material Zinc die-casting  Material screw connection Zinc die-casting	Mounting set	M8 x 1
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	Device protection   Electrical	
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	Degree of protection (EN IEC 60529)	IP65, IP67, IP66K
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  Coating locking  Nickeled  Coating of fitting  nickel plated  Material gasket  FKM  Locking material  Material screw connection  I  I  I  I  I  I  I  I  I  I  I  I  I	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
Material gasket     FKM       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting	Coating of fitting	nickel plated
Locking material Zinc die-casting  Material screw connection Zinc die-casting		·
Material screw connection Zinc die-casting	Locking material	Zinc die-casting
Mechanical data   Mounting data		·
	Mechanical data   Mounting data	

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: 2024-06-26



inserted, screwed, Shaking protection Mounting method

Mounting method	inserted, sciewed, channy 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.
	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Note on bending radius	endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-104 (M8)
Installation   Cable	
wire arrangement	brown, black, blue, white
Cable identification	631
Cable Type	3
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires twisted
wire arrangement	brown, black, blue, white
Cable weigth	33 g/m
Material 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
Folerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	4
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	70 ± 5 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
Nominal 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
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
JV resistance	DIN EN ISO 4892-2 A
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
Oil 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