

## M8 male 90° A-cod. / MSUD valve plug C-8mm small

PUR 3x0.34 ye UL/CSA+drag ch. 1m

**MSUD** 

Plastic housings with good resistance against chemicals and oils.

Form C (8 mm)

Male M8

90°

24 V AC ±20% / DC ±25%

4-pole

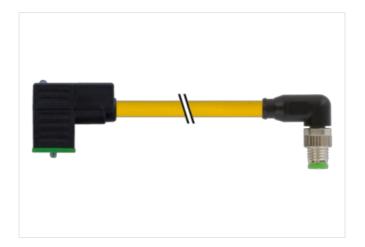
Z-Diode + LED

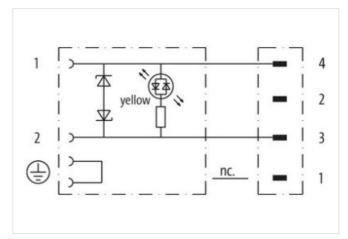
Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request

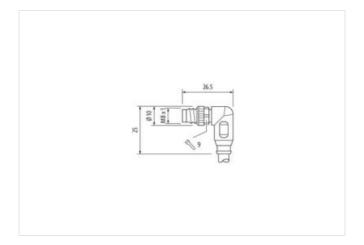
Further cable lengths on request.

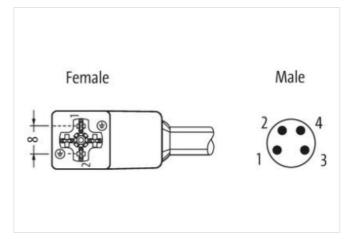
## **Link to Product**

## Illustration



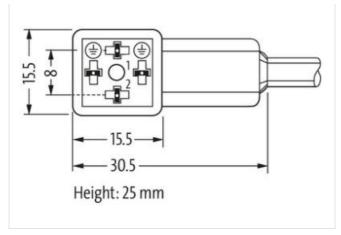








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Product may differ from Image

Coaling contact         silver-plated           Family construction form         MSUD           Thread         M2.5           suitable for corrugated tube (internal Ø)         6,5 mm           Material contact         Copper alloy           Material contact         PUR           No. of poles         4           Side 2           Tightening torque         0,4 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M8           Thread         M8 x 1           Material contact         Copper alloy           Material contact         Copper alloy           Material contact         Signer alloy           Montroas flats         SW9           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-10.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ECLASS-12.0         ECON1855           customs tariff number         8544290           GTIN <td< th=""><th>Cable length</th><th>1 m</th></td<>	Cable length	1 m
Mounting method         inserted, screwed           Coaling contact         silver-plated           Family construction form         MSUD           Thread         M2.5           suitable for corrugated tube (internal Ø)         6.5 mm           Material contact         Copper alloy           Material contact         PUR           No. of poles         4           Side 2           Trightening torque         0,4 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M8           Thread         M8 x 1           Material contact         Copper alloy           Material contact         Copper alloy           Material         PBT           No. of poles         4           Width across flats         SW9           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-10.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ECLASS-12.0         270600	Side 1	
Coaling contact         silver-plated           Family construction form         MSUD           Thread         M2.5           suitable for corrugated tube (internal Ø)         6,5 mm           Material contact         Copper alloy           Material contact         PUR           No. of poles         4           Side 2           Tightening torque         0,4 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M8           Thread         M8 x 1           Material contact         Copper alloy           Material contact         Copper alloy           Material contact         Signer alloy           Montroas flats         SW9           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-10.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ECLASS-12.0         ECON1855           customs tariff number         8544290           GTIN <td< td=""><td>Tightening torque</td><td>0,4 Nm</td></td<>	Tightening torque	0,4 Nm
Family construction form         MSUD           Thread         M2.5           suitable for corrugated tube (internal Ø)         6,5 mm           Material         PUR           No. of poles         4           Side 2           Tightening torque           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M8           Thread         M8 x 1           Material         PBT           No. of poles         4           Width across flats         SW9           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-10.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ECLASS-12.0         27060312           ECLASS-12.0         ECOMISE           coustoms tariff number         85444290           GTIN         404879119276           Packaging unit         1           Electrical data   Supply           Operating voltage AC min.         24 V	Mounting method	inserted, screwed
Thread         M2.5           suitable for corrugated tube (internal 0)         6.5 mm           Material contact         Copper alloy           Material         PUR           No. of poles         4           Side 2           Tightening torque         0.4 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M8           Thread         M8 x 1           Material contact         Copper alloy           Material         PBT           No. of poles         4           Width across fitats         SW9           Commercial dat           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27660312           ECLASS-10.1         27060312           ECLASS-12.0         27060312           ECLASS-13.0         ECO1855           Coustoms tariff number         85444290           GTIN         4048879119276           Packaging unit         1           Electrical datal Supply           Operating voltage AC	Coating contact	silver-plated
suitable for corrugated tube (internal 0)         6.5 mm           Material contact         Copper alloy           Material         PUR           No. of poles         4           Side 2           Tightening torque         0,4 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M8           Thread         M8 1           Material contact         Copper alloy           Material         PBT           No. of poles         4           Width across flats         SW9           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060312           ECLASS-11.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ECLASS-12.0         2001855           customs tariff number         85444290           GTIN         4048879119276           Packaging unit         1           Electrical data   Supply           Operating volt	Family construction form	MSUD
Material contact         Copper alloy           Material         PUR           No. of poles         4           Side 2           Tightening torque         0.4 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M8           Thread         M8 x 1           Material contact         Copper alloy           Material contact         PBT           No. of poles         4           Width across flats         SW9           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048979119276           Packaging unit         1           Electrical data   Supply           Operating voltage AC min.         19,2 V	Thread	M2.5
Material         PUR           No. of poles         4           Side 2           Tightening torque         0,4 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M8           Thread         M5 x 1           Material contact         Copper alloy           Material contact         Copper alloy           Material contact         PBT           No. of poles         4           Width across flats         SW9           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27279218           ECLASS-9.0         27060312           ECLASS-10.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048679119276           Packaging unit         1           Electrical data   Supply           Operating voltage AC         24 V           Operating voltage AC min.         19,2 V <td>suitable for corrugated tube (internal Ø)</td> <td>6,5 mm</td>	suitable for corrugated tube (internal Ø)	6,5 mm
No. of poles         4           Side 2           Tightening torque         0.4 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M8           Thread         M8 x 1           Material contact         Copper alloy           Material         PBT           No. of poles         4           Width across flats         SW9           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ECLASS-12.0         E001855           customs tariff number         8544290           GTIN         4048879119276           Packaging unit         1           Electrical data   Suppty           Operating voltage AC         24 V           Operating voltage AC min.         19,2 V	Material contact	Copper alloy
Side 2           Tightening torque         0,4 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M8           Thread         M8 x 1           Material contact         Copper alloy           Material         PBT           No. of poles         4           Width across flas         SW9           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060312           ECLASS-1.1.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ETIM-5.0         EC01855           customs tariff number         8544290           GTIN         4048879119276           packaging unit         1           Electrical data   Suppty           Operating voltage AC         24 V           Operating voltage AC min.         19,2 V	Material	PUR
Tightening torque         0,4 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M8           Thread         M8 x 1           Material contact         Copper alloy           Material         PBT           No. of poles         4           Width across flats         SW9           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060312           ECLASS-10.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ECLASS-19.0         E001855           coustoms tariff number         85444290           GTIN         4048879119276           Packaging unit         1           Electrical data   Supply           Operating voltage AC min.         19,2 V	No. of poles	4
Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M8           Thread         M8 x 1           Material contact         Copper alloy           Material         PBT           No. of poles         4           Width across flats         SW9           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060312           ECLASS-10.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879119276           Packaging unit         1           Electrical data   Supply           Operating voltage AC         24 V           Operating voltage AC min.         19,2 V	Side 2	
Coating contact         gold plated           Family construction form         M8           Thread         M8 x 1           Material contact         Copper alloy           Material         PBT           No. of poles         4           Width across flats         SW9           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ETIM-5.0         EC01855           customs tariff number         85444290           GTIN         4048879119276           Packaging unit         1           Electrical data   Supply           Operating voltage AC         24 V           Operating voltage AC min.         19,2 V	Tightening torque	0,4 Nm
Family construction form         M8           Thread         M8 x 1           Material contact         Copper alloy           Material         PBT           No. of poles         4           Width across flats         SW9           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060312           ECLASS-10.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879119276           Packaging unit         1           Electrical data   Supply           Operating voltage AC         24 V           Operating voltage AC min.         19,2 V	Mounting method	inserted, screwed
Thread         M8 x 1           Material contact         Copper alloy           Material         PBT           No. of poles         4           Width across flats         SW9           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-11.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ECLASS-12.0         27060312           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879119276           Packaging unit         1           Electrical data   Supply           Operating voltage AC         24 V           Operating voltage AC min.         19,2 V	Coating contact	gold plated
Material contact         Copper alloy           Material         PBT           No. of poles         4           Width across flats         SW9           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879119276           Packaging unit         1           Electrical data   Supply           Operating voltage AC         24 V           Operating voltage AC min.         19,2 V	Family construction form	M8
Material         PBT           No. of poles         4           Width across flats         SW9           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879119276           Packaging unit         1           Electrical data   Supply           Operating voltage AC         24 V           Operating voltage AC min.         19,2 V	Thread	M8 x 1
No. of poles         4           Width across flats         SW9           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879119276           Packaging unit         1           Electrical data   Supply           Operating voltage AC         24 V           Operating voltage AC min.         19,2 V	Material contact	Copper alloy
Width across flats         SW9           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879119276           Packaging unit         1           Electrical data   Supply           Operating voltage AC         24 V           Operating voltage AC min.         19,2 V	Material	PBT
Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879119276           Packaging unit         1           Electrical data   Supply           Operating voltage AC         24 V           Operating voltage AC min.         19,2 V	No. of poles	4
ECLASS-6.0       27279218         ECLASS-7.0       27279218         ECLASS-8.0       27279218         ECLASS-9.0       27060311         ECLASS-10.1       27060312         ECLASS-11.1       27060312         ECLASS-12.0       27060312         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4048879119276         Packaging unit       1         Electrical data   Supply         Operating voltage AC       24 V         Operating voltage AC min.       19,2 V	Width across flats	SW9
ECLASS-7.0       27279218         ECLASS-8.0       27060311         ECLASS-10.1       27060312         ECLASS-11.1       27060312         ECLASS-12.0       27060312         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4048879119276         Packaging unit       1         Electrical data   Supply         Operating voltage AC       24 V         Operating voltage AC min.       19,2 V	Commercial data	
ECLASS-8.0       27279218         ECLASS-9.0       27060311         ECLASS-10.1       27060312         ECLASS-11.1       27060312         ECLASS-12.0       27060312         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4048879119276         Packaging unit       1         Electrical data   Supply         Operating voltage AC       24 V         Operating voltage AC min.       19,2 V	ECLASS-6.0	27279218
ECLASS-9.0       27060311         ECLASS-10.1       27060312         ECLASS-11.1       27060312         ECLASS-12.0       27060312         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4048879119276         Packaging unit       1         Electrical data   Supply         Operating voltage AC       24 V         Operating voltage AC min.       19,2 V	ECLASS-7.0	27279218
ECLASS-10.1       27060312         ECLASS-11.1       27060312         ECLASS-12.0       27060312         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4048879119276         Packaging unit       1         Electrical data   Supply         Operating voltage AC       24 V         Operating voltage AC min.       19,2 V	ECLASS-8.0	27279218
ECLASS-11.1       27060312         ECLASS-12.0       27060312         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4048879119276         Packaging unit       1         Electrical data   Supply         Operating voltage AC       24 V         Operating voltage AC min.       19,2 V	ECLASS-9.0	27060311
ECLASS-12.0       27060312         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4048879119276         Packaging unit       1         Electrical data   Supply         Operating voltage AC       24 V         Operating voltage AC min.       19,2 V	ECLASS-10.1	27060312
ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879119276           Packaging unit         1           Electrical data   Supply           Operating voltage AC         24 V           Operating voltage AC min.         19,2 V	ECLASS-11.1	27060312
customs tariff number         85444290           GTIN         4048879119276           Packaging unit         1           Electrical data   Supply           Operating voltage AC         24 V           Operating voltage AC min.         19,2 V	ECLASS-12.0	27060312
GTIN         4048879119276           Packaging unit         1           Electrical data   Supply           Operating voltage AC         24 V           Operating voltage AC min.         19,2 V	ETIM-5.0	EC001855
Packaging unit 1  Electrical data   Supply  Operating voltage AC 24 V  Operating voltage AC min. 19,2 V	customs tariff number	85444290
Electrical data   Supply  Operating voltage AC 24 V  Operating voltage AC min. 19,2 V	GTIN	4048879119276
Operating voltage AC 24 V Operating voltage AC min. 19,2 V	Packaging unit	1
Operating voltage AC min. 19,2 V	Electrical data   Supply	
	Operating voltage AC	24 V
Operating voltage AC max. 28,8 V	Operating voltage AC min.	19,2 V
	Operating voltage AC max.	28,8 V

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: 2024-05-19



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Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Cut-off peak voltage max.	55 V
Current operating per contact max.	4 A
Current consumption max.	15 mA
Diagnostics	
Status indication LED	yellow
Device protection   Electrical	
Degree of protection (EN IEC 60529)	IP65, IP67
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	I I
Additional suppressor	Diode, Z-Diode
Mechanical data   Material data	51000, 2 51000
·	Medical
Coating locking  Color housing	Nickeled
	black
Material gasket	PUR
Material housing	Plastic
Locking material	Zinc die-casting
Mechanical data   Mounting data	
Mounting method	inserted, screwed
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 61076-2-114 (M8)
Installation   Cable	
Cable identification	033
Cable Type	3
Jacket Color	yellow
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	brown, black, blue
Cable weigth	29,7 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
•	had for a decimal to a QFO for halo or for all for the
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
	4,1 mm
Freedom from ingredients (jacket)	<u> </u>
Freedom from ingredients (jacket)  Outer-diameter (jacket)	4,1 mm
Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)	4,1 mm ± 5 %
Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation	4,1 mm ± 5 % PP

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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)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	10 m @ 25 °C   horizontal
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	6 A
Electrical resistance line constant wire	57 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   IEC 60332-2-2   UL 1581 § 1100 FT2
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
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min