

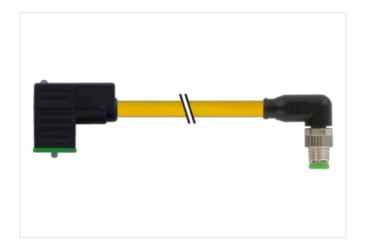
## M8 male 90° A-cod./ MSUD valve plug CI-9.4mm small

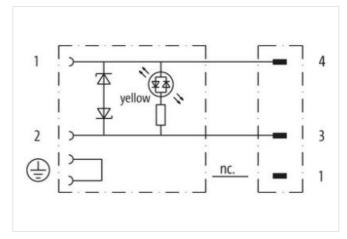
PUR 3x0.34 ye UL/CSA+drag ch. 0.6m

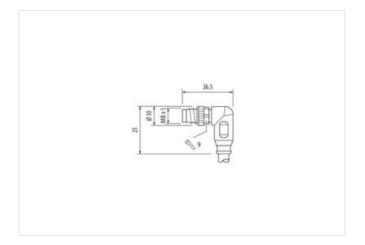
MSUD Further cable lengths on request. Form CI (9.4 mm) 4-pole Male M8 90° 3-pole 24 V AC  $\pm 20\%$  / DC  $\pm 25\%$  Z-Diode + LED Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request

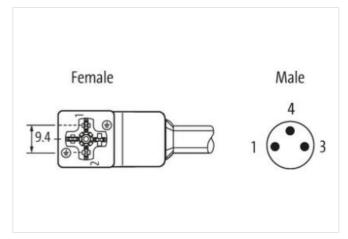
## **Link to Product**

## Illustration



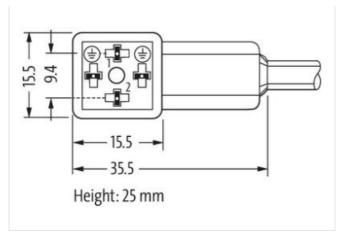








stay connected



Product may differ from Image

Side 1         Tightening torque         0.4 Nm           Mounting method         inserted, screwed           Coating contact         silver-plated           Family construction form         MSUD           Thread         M3           suitable for corrugated tube (internal 0)         6.5 mm           Material contact         Copper alloy           Material contact         Cupper alloy           No. of poles         4           Side 2           Tightening torque         0.4 Nm           Mounting method         inserted, screwed           Coaling contact         gold plated           Family construction form         M8           Material contact         Copper alloy           Material contact         Copper allo	Cable length	0,6 m
Mounting method         inserted, screwed           Coating contact         silver-plated           Family construction form         MSUD           Thread         M3           suitable for corrugated tube (internal Ø)         6,5 mm           Material contact         Copper alloy           Material contact         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 contact         Copper alloy           Material contact         Copper alloy           Material contact         Copper alloy           Material contact         Swige           No. of poles         3           Width across flats         Swige           Commercial dat           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27279218           ECLASS-11.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         ECO1685	Side 1	
Coaling contact         silver-plated           Family construction form         MSUD           Thread         M3           suitable for corrugated tube (internal 0)         6,5 mm           Material contact         Copper alloy           Material contact         PUR           No. of poles         4           Side 2           Tightening torque         0,4 km           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         PBT           No. of poles         3           Width across flats         SW9           Commercial data           ECLASS 6.0         27279218           ECLASS 7.0         27279218           ECLASS 8.0         27279218           ECLASS 8.0         27260312           ECLASS 10.1         27060312           ECLASS 11.1         27060312           ECLASS 12.0         ECOM355           Customs tariff number         854429	Tightening torque	0,4 Nm
Family construction form         MSUD           Thread         M3           suitable for corrugated tube (internal 0)         6.5 mm           Material         PUR           No. or poles         4           Side 2           Tightening torque           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M8           Thread         M8 x 1           Material contact         Copper alloy           Material         PBT           No. or poles         3           Width across flats           Commercial date           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27660312           ECLASS-11.1         27660312           ECLASS-12.0         27660312           ECLASS-12.0         ECOMPATERIAL           ECLASS-12.0         ECOMPATERIAL           ECLASS-12.0         ECOMPATERIAL           ECLASS-12.0         ECOMPATERIAL           ECLASS-10.1         20           ECLASS-10.1         20	Mounting method	inserted, screwed
Thread	Coating contact	silver-plated
suitable for corrugated tube (internal Ø)         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         3           Width across flats         SW9           Commercial data         SW9           CCASS-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           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         404887911880           Packaging unit         1           Electrical datal Supply           Operating voltage AC	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           Material contact         Copper alloy           Material contact         Copper alloy           Material material         PBT           No. of poles         3           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           ECLASS-12.0         EC001855           customs tariff number         85444290           GTIN         404887911880           Packaging unit         1           Electrical data   Supply           Operating voltage AC         24 V           Operating voltage AC m	Thread	M3
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 and PBT         PBT           No. of poles         3           Width across flats           SW9           Connectical data           ECLASS-6.0           27279218           ECLASS-7.0         27279218           ECLASS-9.0         27660312           ECLASS-10.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ECLASS-12.0         E001855           customs tariff number         85444290           GTIN         4048879118890           Packaging unit         1           Electrical data Supply           Operating voltage AC min.         24 V <t< td=""><td>suitable for corrugated tube (internal Ø)</td><td>6,5 mm</td></t<>	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         3           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           ECLASS-12.0         27060312           ETIM-5.0         EC001855           customs tariff number         8544290           GTIN         404887911880           Packaging unit         1           Electrical data   Supply           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         3           Width across flats         SW9           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27279218           ECLASS-9.0         27060311           ECLASS-11.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ETIM-5.0         EC01855           customs tariff number         85444290           GTIN         4048879118880           Packaging unit         1           Electrical data   Supply           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 3  Width across flats SW9  Commercial data  ECLASS-6.0 27279218  ECLASS-7.0 27279218  ECLASS-8.0 27279218  ECLASS-9.0 27760311  ECLASS-9.0 27060312  ECLASS-10.1 27060312  ECLASS-11.1 27060312  ECLASS-12.0 27060312  ECLASS-12.0 27060312  ECLASS-12.0 27060312  ECLASS-10.0	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         3           Width across flats         SW9           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27260311           ECLASS-9.0         27060312           ECLASS-9.0         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         404887911880           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         3           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           ETIM-5.0         EC01855           customs tariff number         85444290           GTIN         4048879118880           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         3           Width across flats         SW9           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         404887911880           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         3           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         4048879118880           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         3           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         4048879118880           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         3           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         4048879118880           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         3           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         4048879118880           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         4048879118880           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       4048879118880         Packaging unit       1         Electrical data   Supply         Operating voltage AC       24 V         Operating voltage AC min.       19,2 V	No. of poles	3
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       4048879118880         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       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       4048879118880         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 4048879118880  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       4048879118880         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       4048879118880         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       4048879118880         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       4048879118880         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         4048879118880           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         4048879118880           Packaging unit         1           Electrical data   Supply           Operating voltage AC         24 V           Operating voltage AC min.         19,2 V	ECLASS-12.0	27060312
GTIN         4048879118880           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	4048879118880
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: 2024-05-14



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** yellow Status indication LED 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) Additional suppressor Diode, Z-Diode Mechanical data | Material data Coating locking Nickeled Color housing black Material gasket PUR Material housing Plastic Locking material Zinc die-casting Mechanical data | Mounting data Mounting method inserted, screwed Environmental characteristics | Climatic -25 °C Operating temperature min. 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 61076-2-114 (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 Traversing distance (C-track) 10 m @ 25 °C | horizontal Cable weigth 29,7 g/m Material jacket PUR Shore hardness jacket Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free

Outer-diameter (jacket)

Material wire insulation

Outer diameter insulation

Amount wires

Tolerance outer diameter (sheath)

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1,25 mm

4,1 mm

±5%

PP

3



stay connected

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)	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
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