

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

PVC 3x0.34 bk UL/CSA 0.3m

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

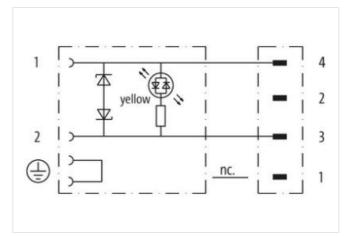
Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request

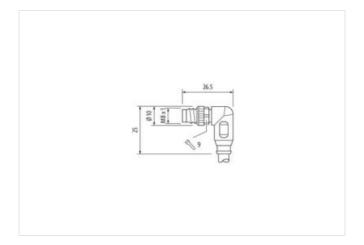
Further cable lengths on request.

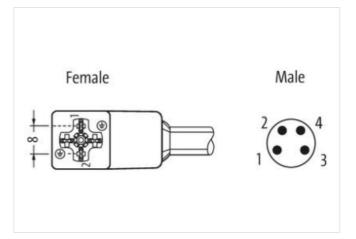
Link to Product

Illustration



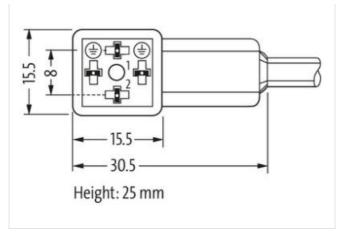








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Product may differ from Image

Side 1 Tightening torque 0.4 Nm Mounting method inserted, screwed Coating 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 Copper alloy No. of poles 4 **** 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 per state PBT No. of poles 4 Width across flats SW9 Commercial data PBT ECLASS 6.0 22729218 ECLASS 7.0 22729218 ECLASS 8.0 22729218 ECLASS 9.0 27060312 ECLASS 1-1.1 27060312 ECLASS 1-2.0	Cable length	0,3 m
Mounting method inserted, screwed Coating contact silver-plated Family construction form MSUD Thread M2.5 suitable for corrugated tube (internal 0) 6,5 mm Material contact Copper alloy No. of poles 4 Side 2 Tightening torque Mounting method inserted, screwed Coating contact gold plated Family construction form M8 Material contact Copper alloy Material contact Copper alloy Material contact Copper alloy Material contact Copper alloy Material contact Sw9 Commercial dat ECLASS 6.0 27279218 ECLASS 7.0 27279218 ECLASS 9.0 27279218 ECLASS 9.0 27260312 ECLASS 9.0 27060312 ECLASS 11.1 27060312 ECLASS 12.0 27060312 ECLASS 14.0 ECO1855 customs tariff number	Side 1	
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Thread suitable for corrugated tube (internal 0)	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 4 Width across flats SW9 Commercial data SW9 CLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ETIM-5.0 ECO01855 customs tariff number 85444290 GTIN 4048879119245 Packaging unit 1 Electrical data Supply Operating voltage	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 ontact Copper alloy Material ontact 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-12.0 27060312 ECLASS-12.0 EC001855 customs tariff number 85444290 GTIN 4048879119245 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 M8 x 1 Material contact Copper alloy Material and PBT PBT No. of poles 4 Width across flats SW9 Connercial data ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-9.0 27060311 ECLASS-9.0 27060312 ECLASS-10.1 27060312 ECLASS-12.0 27060312 ECLASS-12.0 E001855 customs tariff number 85444290 GTIN 4048879119245 Packaging unit 1 Electrical data Supply Operating voltage AC min. 24	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-8.0 27279218 ECLASS-9.0 27060312 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ETIM-5.0 EC01855 customs tariff number 8544290 GTIN 4048879119245 Packaging unit 1 Electrical data Supply Operating voltage AC min. 24 V Operating voltage AC min. 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 t 1 Material contact Copper alloy Material PBT No. of poles 4 Width across flats SW9 Commercial date ECLASS-6.0 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 27060312 ETIM-5.0 EC01855 customs tariff number 85444290 GTIN 4048879119245 Packaging unit 1 Electrical data Supply Operating voltage AC min. 19,2 V	Material	PUR
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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 EC001855 customs tariff number 85444290 GTIN 4048879119245 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 4048879119245 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 4048879119245 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 4048879119245 Packaging unit 1 Electrical data Supply Operating voltage AC 24 V Operating voltage AC min. 19,2 V	Material contact	Copper alloy
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ECLASS-12.0 27060312 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879119245 Packaging unit 1 Electrical data Supply Operating voltage AC 24 V Operating voltage AC min. 19,2 V	ECLASS-10.1	27060312
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GTIN 4048879119245 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	4048879119245
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: 2024-05-20



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)	T.
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
-	inserted, sciewed
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature min. Operating temperature max.	85 °C
Operating temperature min.	
Operating temperature min. Operating temperature max.	85 °C
Operating temperature min. Operating temperature max. Additional condition temperature range	85 °C
Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes	85 °C depending on cable quality
Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief	85 °C depending on cable quality 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
Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius	85 °C depending on cable quality 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
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Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Jacket Color	depending on cable quality 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 endangered by excessive bending forces. DIN EN 61076-2-114 (M8) 613 1 black cURus
Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding	depending on cable quality 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 endangered by excessive bending forces. DIN EN 61076-2-114 (M8) 613 1 black cURus 1
Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding	85 °C depending on cable quality 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 endangered by excessive bending forces. DIN EN 61076-2-114 (M8) 613 1 black cURus 1 3 wires twisted
Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement	depending on cable quality 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 endangered by excessive bending forces. DIN EN 61076-2-114 (M8) 613 1 black cURus 1 3 wires twisted brown, black, blue
Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth	depending on cable quality 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 endangered by excessive bending forces. DIN EN 61076-2-114 (M8) 613 1 black cURus 1 3 wires twisted brown, black, blue 34,1 g/m
Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket	depending on cable quality 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 endangered by excessive bending forces. DIN EN 61076-2-114 (M8) 613 1 black cURus 1 3 wires twisted brown, black, blue 34,1 g/m PVC
Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket	depending on cable quality 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 endangered by excessive bending forces. DIN EN 61076-2-114 (M8) 613 1 black cURus 1 3 wires twisted brown, black, blue 34,1 g/m PVC 85 ± 5 Shore A
Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	depending on cable quality 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 endangered by excessive bending forces. DIN EN 61076-2-114 (M8) 613 1 black cURus 1 3 wires twisted brown, black, blue 34,1 g/m PVC 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free
Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	depending on cable quality 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 endangered by excessive bending forces. DIN EN 61076-2-114 (M8) 613 1 black cURus 1 3 wires twisted brown, black, blue 34,1 g/m PVC 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 4,6 mm
Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	depending on cable quality 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 endangered by excessive bending forces. DIN EN 61076-2-114 (M8) 613 1 black cURus 1 3 wires twisted brown, black, blue 34,1 g/m PVC 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 4,6 mm ± 5 %

Outer diameter tolerance core insulation

 $\pm\,5\,\%$



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Shore hardness wire insulation	45 ± 5 Shore D
Material properties wire insulation	good machinability
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Amount strands (wire)	19
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,34 mm ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
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 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
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