

## M8 male 90° A-cod. / MSUD valve plug B-10mm

PUR 3x0.34 bk UL/CSA+drag ch. 2m

**MSUD** 

Plastic housings with good resistance against chemicals and oils.

Form B (10 mm)

Male M8

90°

24 V AC ±20% / DC ±25%

3-pole

Z-Diode + LED

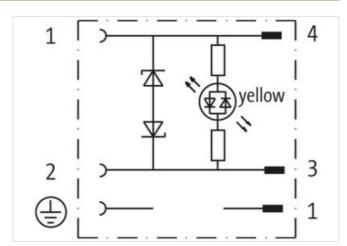
Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request

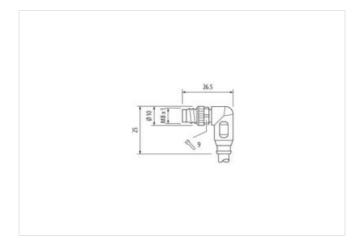
Further cable lengths on request.

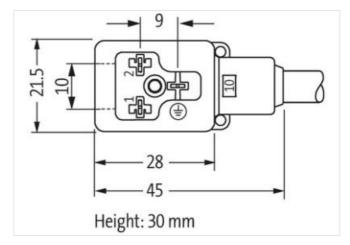
## **Link to Product**

## Illustration



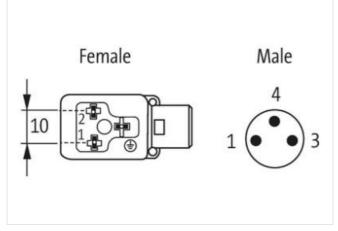








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Product may differ from Image



Cable length	2 m
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 $\emptyset$ )	6,5 mm
Material contact	Copper alloy
Material	PUR
No. of poles	3
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
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879117067
Packaging unit	1

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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Electrical data   Supply	
Operating voltage AC	24 V
Operating voltage AC min.	19.2 V
Operating voltage AC max.	28.8 V
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	youth
	IDOS IDOS
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	
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.
<u>-</u>	
Conformity	endangered by excessive bending forces.
Conformity Product standard	
Conformity Product standard Installation   Cable	endangered by excessive bending forces.  DIN EN 61076-2-114 (M8)
Conformity  Product standard  Installation   Cable  Cable identification	endangered by excessive bending forces.  DIN EN 61076-2-114 (M8)  633
Conformity Product standard Installation   Cable Cable identification Cable Type	endangered by excessive bending forces.  DIN EN 61076-2-114 (M8)
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color	endangered by excessive bending forces.  DIN EN 61076-2-114 (M8)  633 3
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate	endangered by excessive bending forces.  DIN EN 61076-2-114 (M8)  633  3  black
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding	endangered by excessive bending forces.  DIN EN 61076-2-114 (M8)  633 3 black cURus 1
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding	endangered by excessive bending forces.  DIN EN 61076-2-114 (M8)  633  3  black  cURus  1  3 wires twisted
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement	endangered by excessive bending forces.  DIN EN 61076-2-114 (M8)  633  3  black  cURus  1  3 wires twisted  brown, black, blue
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth	endangered by excessive bending forces.  DIN EN 61076-2-114 (M8)  633  3  black  cURus  1  3 wires twisted
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket	endangered by excessive bending forces.  DIN EN 61076-2-114 (M8)  633 3 black cURus 1 3 wires twisted brown, black, blue 29,7 g/m PUR
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	endangered by excessive bending forces.  DIN EN 61076-2-114 (M8)  633 3 black cURus 1 3 wires twisted brown, black, blue 29,7 g/m PUR 90 ± 5 Shore A
Product standard	endangered by excessive bending forces.  DIN EN 61076-2-114 (M8)  633 3 black cURus 1 3 wires twisted brown, black, blue 29,7 g/m PUR



Material wire insulation	PP
Amount wires	3
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)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm²
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
UV 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
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min