

## M8 male 0° A-cod. / MSUD valve plug A-18mm

PVC 3x0.34 ye UL/CSA 0.3m

MSUD Form A (18 mm) – M8, male straight 4-pole 24 V AC  $\pm 20\%$  / DC  $\pm 25\%$ 

Z-Diode + LED

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

Further cable lengths on request.

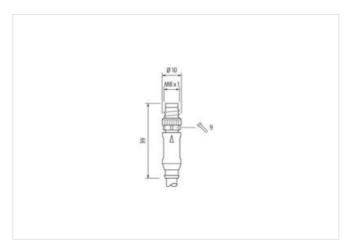
Plastic housings with good resistance against chemicals and oils.

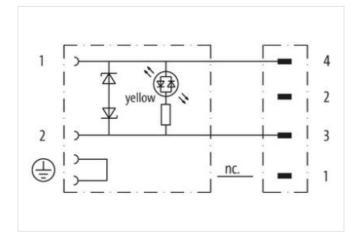
The resistance to aggressive media should be individually tested for your application. Further details on request.

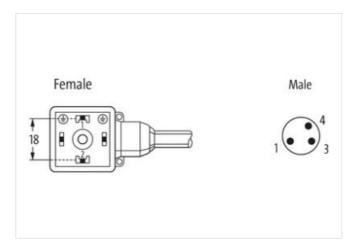
## **Link to Product**

## Illustration











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Product may differ from Image



Cable length	0,3 m
Side 1	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M8
Thread	M3
suitable for corrugated tube (internal $\emptyset$ )	6,5 mm
Material contact	Copper alloy
Material	PUR
Width across flats	SW9
Side 2	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Coating contact	silver-plated
Family construction form	MSUD
Thread	M8 x 1
Material contact	Copper alloy
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	4048879118255
Packaging unit	1
Electrical data   Supply	



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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
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)	0,0 KV
Additional suppressor	Diode, Z-Diode
Mechanical data   Material data	5,646, 2 5,646
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
	11001004, 00101100
Environmental characteristics   Climatic	
Environmental characteristics   Climatic	
Environmental characteristics   Climatic Operating temperature min.	-25 °C
Environmental characteristics   Climatic Operating temperature min. Operating temperature max.	-25 °C 85 °C
Environmental characteristics   Climatic Operating temperature min. Operating temperature max. Additional condition temperature range	-25 °C 85 °C
Environmental characteristics   Climatics Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes	-25 °C  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
Environmental characteristics   Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius	-25 °C  85 °C  depending on cable quality  Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
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Environmental characteristics   Climatic 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	-25 °C  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)
Environmental characteristics   Climatic 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	-25 °C  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)
Environmental characteristics   Climatic 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	-25 °C  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)
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Environmental characteristics   Climatic 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	-25 °C  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)  013  1  yellow  cURus
Environmental characteristics   Climatic 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	-25 °C  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)  013  1  yellow  cURus  1
Environmental characteristics   Climatic 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	-25 °C  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)  013  1  yellow  cURus  1  3 wires twisted
Environmental characteristics   Climatic 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	-25 °C  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)  013  1  yellow  cURus  1  3 wires twisted  brown, black, blue
Environmental characteristics   Climatic 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	-25 °C 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)  013 1 yellow cURus 1 3 wires twisted brown, black, blue 34,1 g/m
Environmental characteristics   Climatic 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	-25 °C 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)  013 1 yellow cURus 1 3 wires twisted brown, black, blue 34,1 g/m PVC
Environmental characteristics   Climatic 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	-25 °C  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)  013  1  yellow  cURus  1  3 wires twisted  brown, black, blue  34,1 g/m  PVC  85 ± 5 Shore A
Environmental characteristics   Climatic 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)	-25 °C  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)  013  1  yellow 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
Environmental characteristics   Climatic 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)	-25 °C  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)  013  1  yellow  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
Environmental characteristics   Climatic 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)	-25 °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)  013  1  yellow  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 %
Environmental characteristics   Climatic 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)	-25 °C  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)  013  1  yellow  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



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Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	± 5 %
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 <sup>2</sup>
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
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