

## M12 male 0° A-cod. / MSUD valve plug CI-9.4mm

PUR 3x0.75 ye UL/CSA+robot+drag ch. 1m

**MSUD** 

Form CI (9.4 mm) - M12, male straight

24 V AC ±20% / DC ±25%

LED and suppression

Further cable lengths on request.

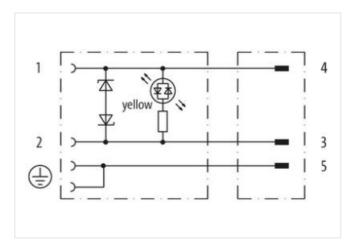
Plastic housings with good resistance against chemicals and oils.

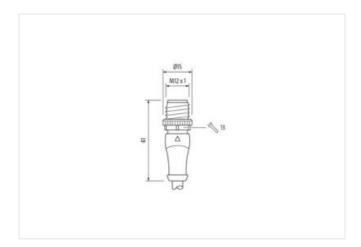
The resistance to aggressive media should be individually tested for your application. Further details on request.

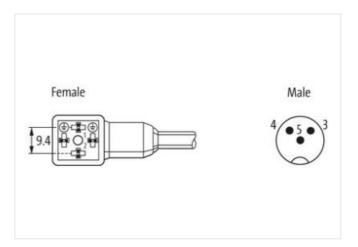
## **Link to Product**

## Illustration



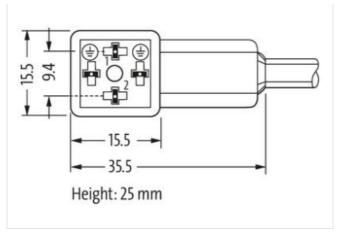








stay connected



Product may differ from Image



Cable length	1 m
Side 1	
Tightening torque	0,4 Nm
Family construction form	MSUD CI
Thread	M3
No. of poles	4
Degree of protection (EN IEC 60529)	IP67
Side 2	
Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
No. of poles	3
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	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	EC001855
customs tariff number	85444290
GTIN	4048879416405
Packaging unit	1
Electrical data	
Capacity CX	20 ms
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	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Mechanical data   Material data	
Color housing	black
Material housing	Plastic
Mechanical data   Mounting data	- Nacio
	Secretar de consensat
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.
Note on bending radius  Conformity	
·	
Conformity Product standard	endangered by excessive bending forces.
Conformity Product standard Installation   Cable	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)
Conformity Product standard Installation   Cable Cable identification	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)  056
Conformity Product standard Installation   Cable Cable identification Cable Type	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)  056 5
Conformity Product standard Installation   Cable Cable identification Cable Type Printing color of wire insulation	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)  056 5 white (isolation black)
Conformity Product standard Installation   Cable Cable identification Cable Type Printing color of wire insulation Jacket Color	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)  056  5  white (isolation black) yellow
Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Printing color of wire insulation  Jacket Color  Type of Certificate	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)  056 5 white (isolation black) yellow cURus
Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Printing color of wire insulation  Jacket Color  Type of Certificate  Amount stranding	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)  056  5  white (isolation black) yellow cURus 1
Conformity Product standard Installation   Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)  056 5 white (isolation black) yellow cURus 1 3 wires twisted
Conformity Product standard Installation   Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)  056  5  white (isolation black)  yellow cURus  1  3 wires twisted black 1, black 2, green-yellow
Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Printing color of wire insulation  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Traversing distance (C-track)	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)  056 5 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow 5 m @ 25 °C   horizontal
Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Printing color of wire insulation  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Traversing distance (C-track)  Cable weigth	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)  056 5 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow 5 m @ 25 °C   horizontal 48,4 g/m
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Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Printing color of wire insulation  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Traversing distance (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)  056 5 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow 5 m @ 25 °C   horizontal 48,4 g/m PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,2 mm ± 5 %
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Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Printing color of wire insulation  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Traversing distance (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation  Amount wires  Outer diameter insulation	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)  056  5 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow 5 m @ 25 °C   horizontal 48,4 g/m PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,2 mm ± 5 % PP 3 1,7 mm
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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: 2024-05-12



Printing color of wire insulation	white (isolation black)
Amount strands (wire)	42
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,75 mm²
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	12 A
Electrical resistance line constant wire	26 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 § 1100 FT2   IEC 60332-2-2   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
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min