

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

PUR 3x0.75 gy UL/CSA+robot+drag ch. 2m

**MSUD** 

Form CI (9.4 mm) – M12, male straight

24 V AC ±20% / DC ±25%

LED and suppression

Further cable lengths on request.

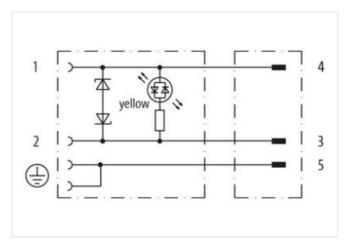
Plastic housings with good resistance against chemicals and oils.

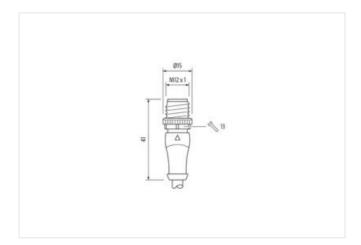
The resistance to aggressive media should be individually tested for your application. Further details on request.

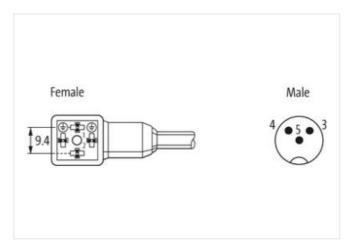
## **Link to Product**

## Illustration



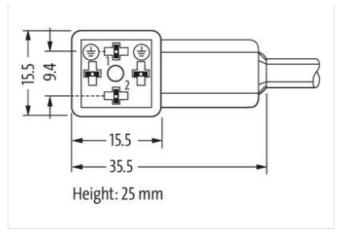








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Product may differ from Image



Cable length	2 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 $\emptyset$ )	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
202.000 0.0	
ECLASS-9.0	27060312
ECLASS-9.0 ECLASS-10.1 ECLASS-11.1	27060312
ECLASS-9.0 ECLASS-10.1	27060312 27060312
ECLASS-9.0 ECLASS-10.1 ECLASS-11.1	27060312 27060312 27060312
ECLASS-9.0 ECLASS-10.1 ECLASS-11.1 ECLASS-12.0 ETIM-5.0 customs tariff number	27060312 27060312 27060312 27060312 EC001855
ECLASS-9.0 ECLASS-10.1 ECLASS-11.1 ECLASS-12.0 ETIM-5.0 customs tariff number GTIN	27060312 27060312 27060312 27060312 EC001855
ECLASS-9.0 ECLASS-10.1 ECLASS-11.1 ECLASS-12.0 ETIM-5.0 customs tariff number	27060312 27060312 27060312 27060312 EC001855
ECLASS-9.0 ECLASS-10.1 ECLASS-11.1 ECLASS-12.0 ETIM-5.0 customs tariff number GTIN	27060312 27060312 27060312 27060312 EC001855 85444290 4048879146821
ECLASS-9.0 ECLASS-10.1 ECLASS-11.1 ECLASS-12.0 ETIM-5.0 customs tariff number GTIN Packaging unit	27060312 27060312 27060312 27060312 EC001855 85444290 4048879146821



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Operating voltage AC	04)/
	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	
·	black
Color housing	black
Material housing	Plastic
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.
Note on strain relief  Note on bending radius	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.
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Note on bending radius  Conformity  Product standard  Installation   Cable  wire arrangement	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)  black 1, black 2, green-yellow
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Conformity Product standard Installation   Cable wire arrangement Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)  black 1, black 2, green-yellow 256 5 white (isolation black) gray cURus 1 3 wires twisted
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Conformity Product standard Installation   Cable wire arrangement Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)  black 1, black 2, green-yellow 256 5 white (isolation black) gray cURus 1 3 wires twisted black 1, black 2, green-yellow 48,4 g/m PUR
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Conformity Product standard Installation   Cable wire arrangement Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)  black 1, black 2, green-yellow 256 5 white (isolation black) gray cURus 1 3 wires twisted black 1, black 2, green-yellow 48,4 g/m PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,2 mm
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Printing color of wire insulation	white (isolation black)
Amount strands (wire)	42
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,75 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	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
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C   horizontal
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min