

## M12 male 90° A-cod. / MSUD valve plug A-18mm

PVC 5x0.34 ye UL/CSA 0.3m

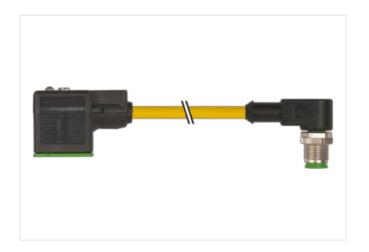
MSUD Form A (18 mm) – M12, male 90° 24 V DC ±25% LED (red/green) for pressure switches Further cable lengths on request.

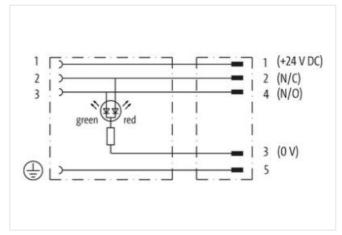
Plastic housings with good resistance against chemicals and oils.

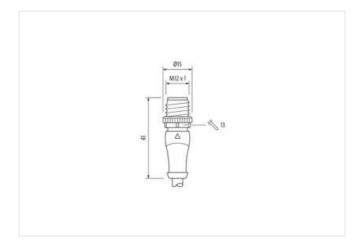
The resistance to aggressive media should be individually tested for your application. Further details on request.

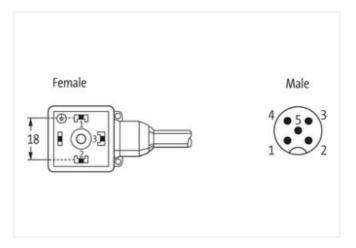
## **Link to Product**

## Illustration



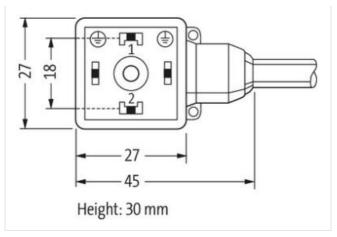








stay connected



Product may differ from Image



Side 1   Tightening torque	
Family construction form         MSUD           Thread         M3           suitable for corrugated tube (internal Ø)         10 mm           No. of poles         4           Degree of protection (EN IEC 60529)         IP67           Side 2         Irightening 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         5           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP67           Commercial data         ECLASS-6.0           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	
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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       5         Width across flats       SW13         Degree of protection (EN IEC 60529)       IP67         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	
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ECLASS-10.1     27060312       ECLASS-11.1     27060312       ECLASS-12.0     27060312       ETIM-5.0     EC001855	
ECLASS-11.1     27060312       ECLASS-12.0     27060312       ETIM-5.0     EC001855	
ECLASS-12.0     27060312       ETIM-5.0     EC001855	
ETIM-5.0 EC001855	
customs tariff number 85444290	
GTIN 4048879609616	
Packaging unit 1	
Electrical data   Supply	
Operating voltage DC 24 V	
Operating voltage DC min. 18 V	



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Operating voltage DC max.	30 V
Current operating per contact max.	4 A
Current consumption max.	12 mA
Diagnostics	
Status indication LED	green, red
Device protection   Electrical	groot, rou
•	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage  Material group (IEC 60664-1)	0,8 kV
Mechanical data   Material data	
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
<u> </u>	asponding on such 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.
Conformity	
Product standard	DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)
Installation   Cable	
Cable identification	015
Cable Type	1
Jacket Color	yellow
Type of Certificate	cURus
Amount stranding	1
Stranding	5 wires around Core filler twisted
Filler	yes
wire arrangement	brown, black, blue, white, green-yellow
Cable weigth	48,4 g/m
Material jacket	PVC
Shore hardness jacket	85 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Outer-diameter (jacket)	5,2 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PVC
Amount wires	5
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
	lead-free, cadmium-free, CFC-free, silicone-free
Ingredient freeness wire insulation	
Ingredient freeness wire insulation  Amount strands (wire)	19
Amount strands (wire)	19



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	4,5 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)	0° 08 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter