

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

PVC 5x0.34 gy UL/CSA 2m

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

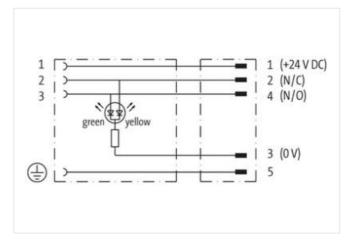
Plastic housings with good resistance against chemicals and oils.

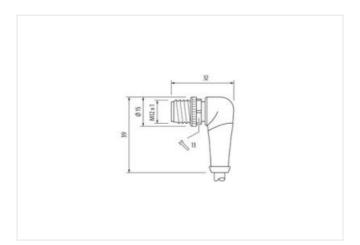
The resistance to aggressive media should be individually tested for your application. Further details on request.

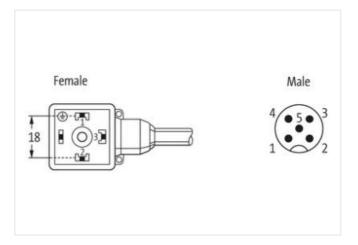
## **Link to Product**

## Illustration











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Product may differ from Image



Cable length	2 m
Side 1	
Tightening torque	0,4 Nm
Family construction form	MSUD
Thread	M3
Degree of protection (EN IEC 60529)	IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
Degree of protection (EN IEC 60529)	IP66K, 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	4048879600446
Packaging unit	1
Electrical data   Supply	
Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Current operating per contact max.	4 A
Current consumption max.	12 mA
Device protection   Electrical	



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Additional condition protection degree	inserted, screwed
Rated surge voltage	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
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	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Installation   Cable	
·	brown black blue white groon vollow
wire arrangement  Cable identification	brown, black, blue, white, green-yellow 215
	1
Cable Type  Jacket Color	
Type of Certificate	gray
	cURus 1
Amount stranding	5 wires around Core filler twisted
Stranding	
Filler	yes
wire arrangement	brown, black, blue, white, green-yellow
Cable weigth	48,4 g/m PVC
Material jacket	
Shore hardness jacket	85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free
Freedom from ingredients (jacket)	
Outer-diameter (jacket)	5,2 mm
Tolerance outer diameter (sheath)	± 5 % PVC
Material wire insulation	
Amount wires	5
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation  Material properties wire insulation	45 ± 5 Shore D  good machinability
· '	,
Ingredient freeness wire insulation  Amount strands (wire)	lead-free, cadmium-free, CFC-free, silicone-free  19
Amount strands (wire)  Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,15 mm 0,34 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Stranded copper wire, pare Strand class 5
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity (standard)  Current load capacity min. wire	4,5 A
Electrical resistance line constant wire	4,5 A 57 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
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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 ℃

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: 2024-05-20



Operating temperature max. (dynamic)	80 °C
Flame resistance	IEC 60332-2-2   UL 1581 § 1100 FT2   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