

M12 male 0° A-cod. / MSUD valve plug A-18mm

PUR 5x0.34 gy UL/CSA+robot+drag ch. 1.5m

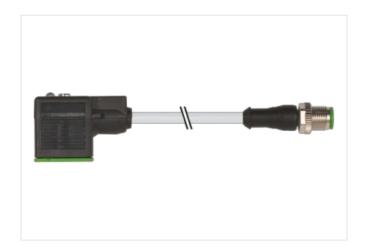
MSUD
Form A (18 mm) – M12, male straight
24 V DC ±25%
LED (yellow/green)
for pressure switches
Further cable lengths on request.

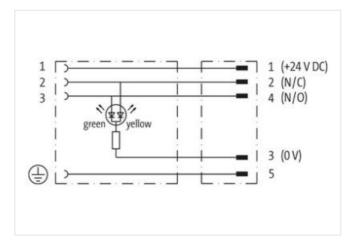
Plastic housings with good resistance against chemicals and oils.

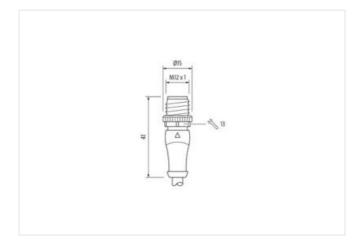
The resistance to aggressive media should be individually tested for your application. Further details on request.

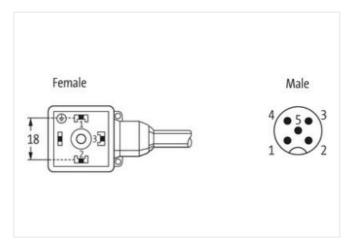
Link to Product

Illustration











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Product may differ from Image



Cable length	1,5 m
Side 1	
Tightening torque	0,4 Nm
Family construction form	MSUD
Thread	M3
Material	PUR
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
Material	PBT
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
customs tariff number	85444290
GTIN	4048879766517
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

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: 2024-05-19



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Current consumption max.	15 mA
Diagnostics	
Status indication LED	green, yellow
	green, yenow
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	<u> </u>
Mechanical data Material data	
Coating locking	safe-cover coated
Color housing	black
Material gasket	PUR
Material housing	Plastic
Locking material	Zinc die-casting
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	
wire arrangement	brown, black, blue, white, green-yellow
Cable identification	255
Cable Type	5
Jacket Color	gray
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	41,8 g/m
Material jacket	PUR
Shore hardness jacket	58 ± 3 Shore D
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	5 mm
Tolerance outer diameter (sheath)	
	±5%
Material wire insulation	±5% PP
Material wire insulation Amount wires	
	PP
Amount wires	PP 5
Amount wires Outer diameter insulation	PP 5 1,25 mm
Amount wires Outer diameter insulation Outer diameter tolerance core insulation	PP 5 1,25 mm ± 5 %
Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire)	PP 5 1,25 mm ± 5 % 74 ± 3 Shore D
Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires	PP 5 1,25 mm ± 5 % 74 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 42 0,1 mm
Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire)	PP 5 1,25 mm ± 5 % 74 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 42 0,1 mm 0,34 mm²
Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire	PP 5 1,25 mm ± 5 % 74 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 42 0,1 mm 0,34 mm² Stranded copper wire, bare
Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire)	PP 5 1,25 mm ± 5 % 74 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 42 0,1 mm 0,34 mm²

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Torsion speed



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Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Electrical resistance line constant wire	60 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 § 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
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

35 cycles/min