

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

PUR 5x0.34 gy UL/CSA+robot+drag ch. 1m

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

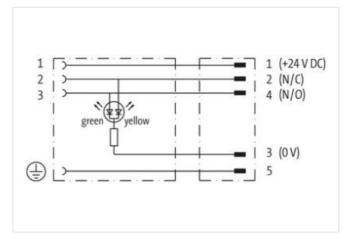
Plastic housings with good resistance against chemicals and oils.

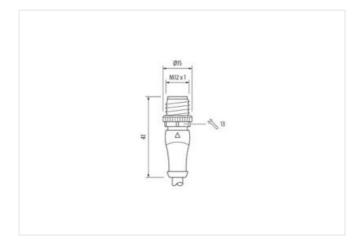
The resistance to aggressive media should be individually tested for your application. Further details on request.

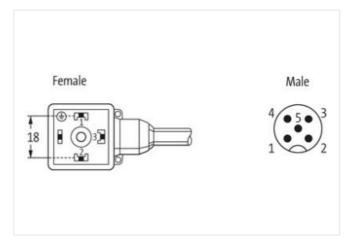
## **Link to Product**

## Illustration



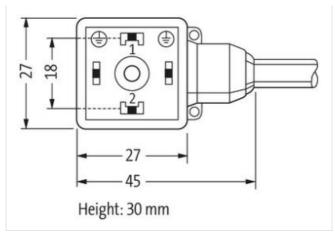








stay connected



Product may differ from Image



Cable length	1 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	4048879591645
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: 2024-04-20



stay connected

Current consumption max.	15 mA
Diagnostics	
Status indication LED	green, yellow
	9.00.1, 70.1011
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	I
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
Installation   Cable	
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
No. of bending cycles (C-track)	10 Mio. @ 25 °C
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	PP
Amount wires	5
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	±5%
Outer diameter tolerance core insulation	2070
Shore hardness wire insulation	74 ± 3 Shore D
Shore hardness wire insulation	74 ± 3 Shore D
Shore hardness wire insulation Ingredient freeness wire insulation	74 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires	74 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 42
Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire)	74 ± 3 Shore D  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  42  0,1 mm
Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire	74 ± 3 Shore D  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  42  0,1 mm  0,34 mm <sup>2</sup>
Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire)	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  strand class 6
Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Traversing distance (C-track)	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  strand class 6  5 m @ 25 °C   horizontal
Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Traversing distance (C-track) Current load capacity (standard)	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  strand class 6  5 m @ 25 °C   horizontal  to DIN VDE 0298-4
Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Traversing distance (C-track)	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  strand class 6  5 m @ 25 °C   horizontal  to DIN VDE 0298-4  4,5 A
Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Traversing distance (C-track) Current load capacity (standard) Current load capacity min. wire	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  strand class 6  5 m @ 25 °C   horizontal  to DIN VDE 0298-4



Power frequency withstand voltage power (wire - jacket)	2,5 kV @ 60 s
AC withstand voltage power (wire - wire)	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 torsion cycles	1 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 360 °/m