

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

PUR 5x0.34 ye UL/CSA+robot+drag ch. 2m

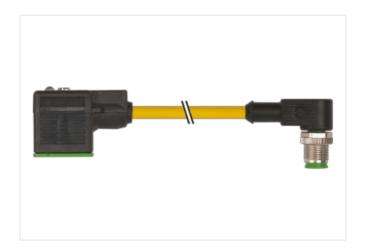
MSUD Form A (18 mm) – M12, male 90° 24 V DC ±25% LED (yellow/green) for pressure switches Further cable lengths on request.

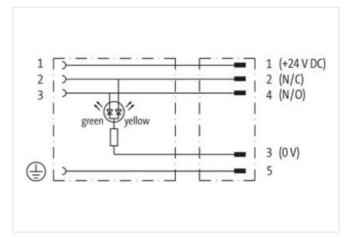
Plastic housings with good resistance against chemicals and oils.

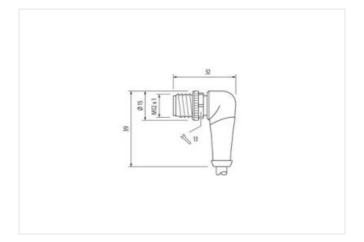
The resistance to aggressive media should be individually tested for your application. Further details on request.

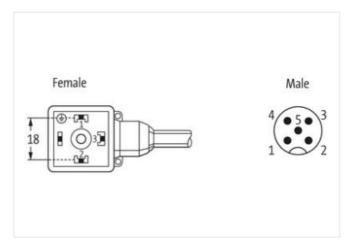
Link to Product

Illustration



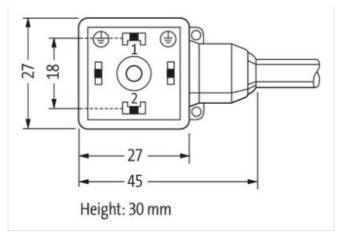








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Product may differ from Image



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 IP79218 ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-7.0 27279218 ECLASS-9.0 27060312 ECLASS-9.0 27060312 ECLASS-1.1 27060312 ECLASS-1.1 27060312 ECLASS-1.2 0 27060312 ECLASS-1.1 1 27060312 ECLASS-1.1 1 27060312 ECLASS-1.1 1 27060312 ECLASS-1.1 1 27060312 ECLASS-1.1 27060312 ETIM-5.0 ECO01855 customs tariff number 85444290 GTIN 4048879610476 Packaging unit 1 Electrical data Supply Operating voltage DC min. 18 V Operating voltage DC min. 30 V Current operating per contact max. 4 A	Cable length	2 m
Family construction form MSUD Thread M3 Degree of protection (EN IEC 60529) IP66K, IP67 Side 2 Tightening torque 6,6 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-9.0 27060312 ECLASS-10.1 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ECIMIN-5.0 ECO01855 customs tariff number 85444290 GTIN 4048879610476 Packaging unit 1 Electrical data Supply Operating voltage DC 24 V Operating voltage DC max. 30 V Current consumption max. <t< td=""><td>Side 1</td><td></td></t<>	Side 1	
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-6.1 27279218 ECLASS-7.0 27279218 ECLASS-9.0 2760312 ECLASS-9.0 2760312 ECLASS-10.1 27606312 ECLASS-12.0 2760312 ETIM-5.0 EC01855 customs tariff number 85444290 GTIN 4048879610476 Packaging unit 1 Electrical data Supply Operating voltage DC min. 18 V Operating voltage DC min. 18 V Ourrent operating per contact max. 4 A Current consumption max. 12 mA	Tightening torque	0,4 Nm
Degree of protection (EN IEC 60529) IP66K, IP67 Side 2 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-9.0 27060312 ECLASS-1.1.1 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ECLASS-10.1 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ECIASS-12.0 4048879610476 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	Family construction form	MSUD
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-9.0 27060312 ECLASS-1.1.1 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879610476 Packaging unit 1 Electrical data Supply Operating voltage DC 24 V Operating voltage DC min. 18 V Operating voltage DC max. 30 V Current consumption max. 12 mA	Thread	M3
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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-9.0 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879610476 Packaging unit 1 Electrical data Supply Operating voltage DC min. 18 V Operating voltage DC max. 30 V Current operating per contact max. 4 A Current consumption max. 12 mA	Side 2	
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Degree of protection (EN IEC 60529) IP66K, IP67	Family construction form	M12
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 4048879610476 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	Thread	M12 x 1
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customs tariff number 85444290 GTIN 4048879610476 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	ECLASS-12.0	1777
GTIN 4048879610476 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	ETIM-5.0	
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		
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Operating voltage DC min. 18 V Operating voltage DC max. 30 V Current operating per contact max. 4 A Current consumption max. 12 mA	Electrical data Supply	
Operating voltage DC max. 30 V Current operating per contact max. 4 A Current consumption max. 12 mA	Operating voltage DC	24 V
Current operating per contact max. 4 A Current consumption max. 12 mA	Operating voltage DC min.	18 V
Current consumption max. 12 mA	Operating voltage DC max.	30 V
·	Current operating per contact max.	4 A
Device protection Electrical	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	
, ,	incomed assumed
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	055
Cable Type	5
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	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%
Shore hardness wire insulation	74 ± 3 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm ²
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	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

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: 2024-06-26



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	DIN EN 60811-404 Good, application-related testing
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