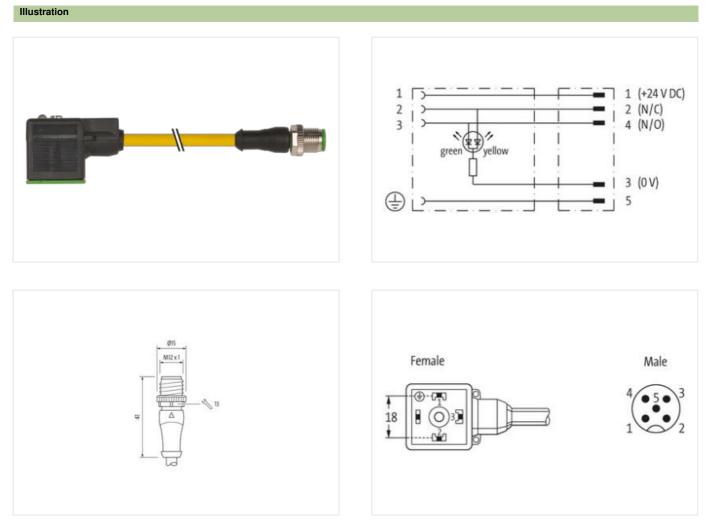


## M12 male 0° A-cod. / MSUD valve plug A-18mm

PVC 5x0.34 ye UL/CSA 1.1m

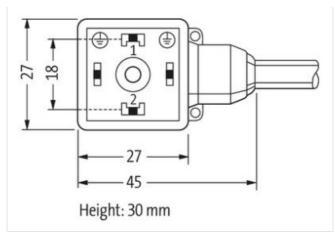
MSUD Form A (18 mm) – M12, male straight 24 V DC ±25% LED (yellow/green) for pressure switches Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

## Link to Product



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Product may differ from Image



Cable length	1,1 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	4048879791083
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

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Current consumption max.	15 mA
Diagnostics	
Status indication LED	green, yellow
Device protection   Electrical	9.00., jonen
• •	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	
Mechanical data   Material data	
Coating locking	Nickeled
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	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	
Material jacket	48,4 g/m
	48,4 g/m PVC
Shore hardness jacket	-
Shore hardness jacket Freedom from ingredients (jacket)	PVC
-	PVC 85 ± 5 Shore A
Freedom from ingredients (jacket)	PVC 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free
Freedom from ingredients (jacket) Outer-diameter (jacket)	PVC   85 ± 5 Shore A   lead-free, cadmium-free, CFC-free, silicone-free   5,2 mm
Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	PVC   85 ± 5 Shore A   lead-free, cadmium-free, CFC-free, silicone-free   5,2 mm   ± 5 %
Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	PVC   85 ± 5 Shore A   lead-free, cadmium-free, CFC-free, silicone-free   5,2 mm   ± 5 %   PVC
Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires	PVC   85 ± 5 Shore A   lead-free, cadmium-free, CFC-free, silicone-free   5,2 mm   ± 5 %   PVC   5
Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation	PVC   85 ± 5 Shore A   lead-free, cadmium-free, CFC-free, silicone-free   5,2 mm   ± 5 %   PVC   5   1,25 mm
Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation	PVC     85 ± 5 Shore A     lead-free, cadmium-free, CFC-free, silicone-free     5,2 mm     ± 5 %     PVC     5     1,25 mm     ± 5 %
Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation	PVC     85 ± 5 Shore A     lead-free, cadmium-free, CFC-free, silicone-free     5,2 mm     ± 5 %     PVC     5     1,25 mm     ± 5 %     45 ± 5 Shore D
Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Material properties wire insulation	PVC   85 ± 5 Shore A   lead-free, cadmium-free, CFC-free, silicone-free   5,2 mm   ± 5 %   PVC   5   1,25 mm   ± 5 %   45 ± 5 Shore D   good machinability
Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Material properties wire insulation Ingredient freeness wire insulation	PVC   85 ± 5 Shore A   lead-free, cadmium-free, CFC-free, silicone-free   5,2 mm   ± 5 %   PVC   5   1,25 mm   ± 5 %   45 ± 5 Shore D   good machinability   lead-free, cadmium-free, CFC-free, silicone-free
Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Material properties wire insulation Ingredient freeness wire insulation Amount strands (wire)	PVC   85 ± 5 Shore A   lead-free, cadmium-free, CFC-free, silicone-free   5,2 mm   ± 5 %   PVC   5   1,25 mm   ± 5 %   45 ± 5 Shore D   good machinability   lead-free, cadmium-free, CFC-free, silicone-free   19
Freedom from ingredients (jacket)   Outer-diameter (jacket)   Tolerance outer diameter (sheath)   Material wire insulation   Amount wires   Outer diameter insulation   Outer diameter tolerance core insulation   Shore hardness wire insulation   Material properties wire insulation   Ingredient freeness wire insulation   Amount strands (wire)   Diameter of single wires	PVC   85 ± 5 Shore A   lead-free, cadmium-free, CFC-free, silicone-free   5,2 mm   ± 5 %   PVC   5   1,25 mm   ± 5 %   45 ± 5 Shore D   good machinability   lead-free, cadmium-free, CFC-free, silicone-free   19   0,15 mm

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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)	80 °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

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