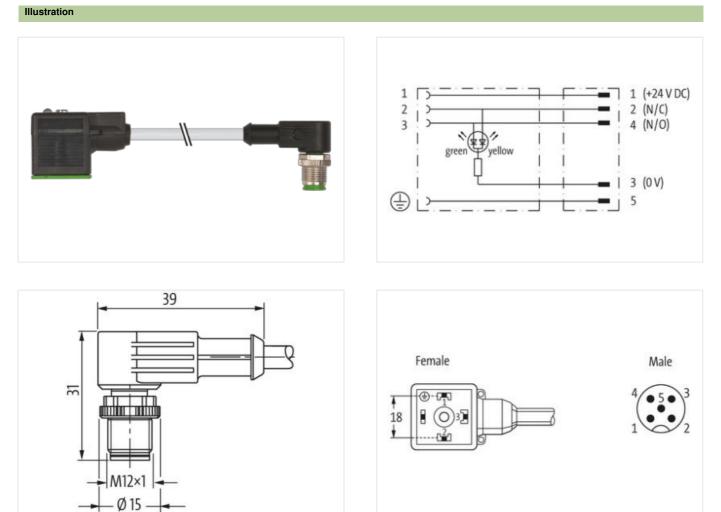


M12 male 90° A-cod. / MSUD valve plug A-18mm

PUR 5x0.34 gy UL/CSA+drag ch. 4m

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.

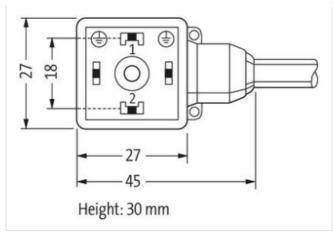
Link to Product



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Product may differ from Image



Technical DataTechnical DataDeprating voltage $24 \text{ V DC } \pm 25\%$,Dated surge voltage 0.8 KV Deprating current per contactmax. 4 ADurrent consumptionapprox. 12 mAcocking of portsM3/M12×1 mm (recommended torque 0.4/0.6 Nm)ProtectionIP66K, IP67 inserted and tightened (EN 60529)tousingBlack plastic (gray on request)General data	Form	
Parting voltage24 V DC ±25%Rated surge voltage0.8 kVOperating current per contactmax. 4 ADurrent consumptionapprox. 12 mAcoking of portsM3M12+1 mm (recommended torque 0.4/0.6 Nm)ProtectionIP66K, IP67 inserted and tightened (EN 60529)HousingBlack plastic (gray on request)General dataTemperature range-25+85 °C, depending on cable qualityCblesVire isolationPP (br, whn, bl, k, gnye)C-track properties10 Mio.Duter Ø4.8 mm ±5%.Cable Information235Cable Information235Cable InformationCurve, bareCable Vires0.41.8 gAtterial (wire)Curve, bareCable Vires (core)0.1 mmCorole42× 0.1 mm (mutti-strand wire class 6)Corole5x 0.34 mm²Wired (wire isolation)PPProtection0.1 mmConstruction (core)42× 0.1 mm (mutti-strand wire class 6)Diameter (core)5x 0.34 mm²Wired Mire isolation)PPAtterial property (wire isolation)PPAtterial (wire isolation)PPAtterial (wire isolation)PPMaterial (wire isolation)Croch, halogen, camium-, silicone- and lead-freeWire-Ø incl. isolation)TP 5/Wire-Ø incl. isolation)TP 5/	Form	40951
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Durrent Consumptionapprox. 12 mAocking of portsM3/M12×1 mm (recommended torque 0.4/0.6 Nm)ProtectionIP66K, IP67 inserted and tightened (EN 60529)fousingBlack plastic (gray on request)General data	Rated surge voltage	0.8 kV
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Duter Ø 4.8 mm ±5% Dable identification 235 Dable identification 3 (PUR) Sable Type 3 (PUR) Vpproval (cable) cURus (AWM-Style 20549/10493); CE conform Dable weight [g/m] 41,8 g Atterial (wire) Cu wire, bare Resistor (core) max. 57 Ω/km (20 °C) Single wire Ø (core) 0.1 mm Construction (core) 42× 0.1 mm (multi-strand wire class 6) Diameter (core) 5× 0.34 mm² WWG similar to AWG 22 Aterial (wire isolation) PP Aterial property (wire isolation) CFC-, halogen-, cadmium-, silicone- and lead-free Shore hardness (wire isolation) 1.25 mm ±5%	Wire isolation	PP (br, wh, bl, bk, gnye)
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Approval (cable)cURus (AWM-Style 20549/10493); CE conformCable weight [g/m]41,8 gMaterial (wire)Cu wire, bareResistor (core)max. 57 Ω/km (20 °C)Single wire Ø (core)0.1 mmConstruction (core)42× 0.1 mm (multi-strand wire class 6)Diameter (core)5× 0.34 mm²WGGsimilar to AWG 22Material (wire isolation)PPMaterial property (wire isolation)CFC-, halogen-, cadmium-, silicone- and lead-freeShore hardness (wire isolation)70 ± 5 DWire-Ø incl. isolation1.25 mm ±5%	Cable identification	235
Cable weight [g/m]41,8 gMaterial (wire)Cu wire, bareResistor (core)max. 57 Ω/km (20 °C)Single wire Ø (core)0.1 mmConstruction (core)42 × 0.1 mm (multi-strand wire class 6)Diameter (core)5 × 0.34 mm²AWGsimilar to AWG 22Material (wire isolation)PPMaterial property (wire isolation)CFC-, halogen-, cadmium-, silicone- and lead-freeShore hardness (wire isolation)70 ±5 DWire-Ø incl. isolation1.25 mm ±5%	Cable Type	3 (PUR)
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Resistor (core) max. 57 Ω/km (20 °C) Single wire Ø (core) 0.1 mm Construction (core) 42× 0.1 mm (multi-strand wire class 6) Diameter (core) 5× 0.34 mm² AWG similar to AWG 22 Material (wire isolation) PP Aterial property (wire isolation) CFC-, halogen-, cadmium-, silicone- and lead-free Shore hardness (wire isolation) 70 ±5 D Wire-Ø incl. isolation 1.25 mm ±5%	Cable weight [g/m]	41,8 g
Single wire Ø (core) 0.1 mm Construction (core) 42× 0.1 mm (multi-strand wire class 6) Diameter (core) 5× 0.34 mm² AWG similar to AWG 22 Material (wire isolation) PP Material property (wire isolation) CFC-, halogen-, cadmium-, silicone- and lead-free Shore hardness (wire isolation) 70 ±5 D Wire-Ø incl. isolation 1.25 mm ±5%	Material (wire)	Cu wire, bare
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Diameter (core) 5× 0.34 mm² AWG similar to AWG 22 Material (wire isolation) PP Material property (wire isolation) CFC-, halogen-, cadmium-, silicone- and lead-free Shore hardness (wire isolation) 70 ±5 D Vire-Ø incl. isolation 1.25 mm ±5%	Single wire Ø (core)	0.1 mm
AWG similar to AWG 22 Material (wire isolation) PP Material property (wire isolation) CFC-, halogen-, cadmium-, silicone- and lead-free Shore hardness (wire isolation) 70 ±5 D Vire-Ø incl. isolation 1.25 mm ±5%	Construction (core)	42× 0.1 mm (multi-strand wire class 6)
Material (wire isolation) PP Material property (wire isolation) CFC-, halogen-, cadmium-, silicone- and lead-free Shore hardness (wire isolation) 70 ±5 D Vire-Ø incl. isolation 1.25 mm ±5%	Diameter (core)	5× 0.34 mm ²
Material property (wire isolation) CFC-, halogen-, cadmium-, silicone- and lead-free Shore hardness (wire isolation) 70 ±5 D Wire-Ø incl. isolation 1.25 mm ±5%	AWG	similar to AWG 22
Shore hardness (wire isolation) 70 ±5 D Vire-Ø incl. isolation 1.25 mm ±5%	Material (wire isolation)	PP
Vire-Ø incl. isolation 1.25 mm ±5%	Material property (wire isolation)	CFC-, halogen-, cadmium-, silicone- and lead-free
	Shore hardness (wire isolation)	70 ±5 D
Color/numbering of wires br, bk, bl, wh, gnye longitudinally striped	Wire-Ø incl. isolation	1.25 mm ±5%
	Color/numbering of wires	br, bk, bl, wh, gnye longitudinally striped

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Stranding combination	5 wires twisted around central filler
Shield	no
Material (jacket)	PUR
Material property (jacket)	CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion- resistant, hydrolysis and microbial resistant
Shore hardness (jacket)	90 ±5 A
Outer-Ø (jacket)	4.8 mm ±5%
Color (jacket)	gray
Jacket Color	gray
chemical resistance	good resistance to oil, gasoline and chemicals (EN 60811-404)
thermal resistance	flame retardand UL 1581 Section 1090 (H), CSA FT2 / IEC 60332-2-2
Nominal voltage	300 V AC
Test voltage	2500 V AC
Current load capacity	to DIN VDE 0298-4
Temperature range (fixed)	-40+80 °C
Temperature range (fixed)	-40+80 °C, (+90 °C at max. 10 000 operating hours)
Temperature range (mobile)	-25+80 °C
Temperature range (mobile)	-25+80 °C, (+90 °C at max. 10 000 operating hours)
Bend radius (fixed)	5× outer Ø
Bend radius (moving)	10× outer Ø
Bend radius (moving)	10× outer Ø
No. of bending cycles (C-track)	max. 10 Mio. (25 °C)
Travel speed (C-track)	max. 3 m/s
Acceleration (C-track)	max. 10 m/s ²
Torsion stress	±180°/m
No. of torsion cycles	max. 2 Mio. (25 °C)
Torsion speed	35 cycles/min
Material (jacket)	PUR (UL/CSA)
Product article number of manufacturer	7000-40951-2350400
Cable length	4 m

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