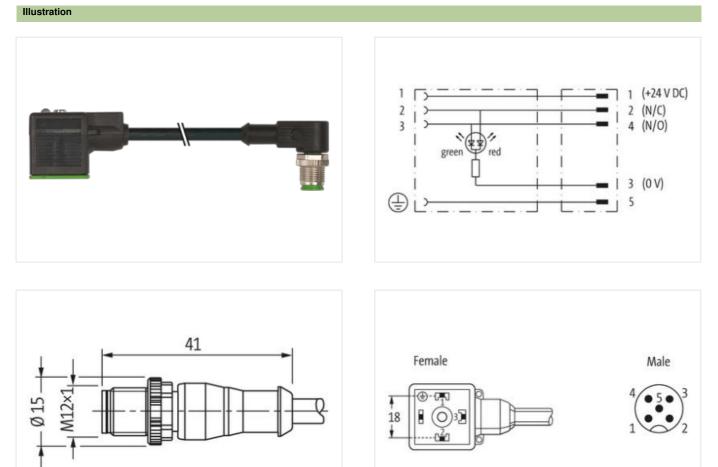


M12 male 90° A-cod. / MSUD valve plug A-18mm

PVC 5x0.34 bk UL/CSA 2m

MSUD Form A (18 mm) – M12, male 90° 24 V DC ±25% LED (red/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.

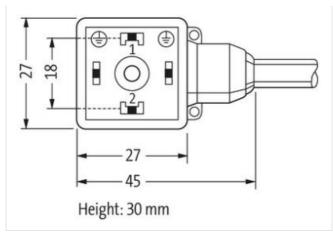
Link to Product



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Product may differ from Image



Form40941Periadia Using VoltageAlve Auron Voltage24 V DC ±25%Bated surge voltage0.8 VVOperating current per contactmax. 4 ACurrent consumptionapprox. 12 mALocking of portsM3M12×1 mm (recommended torque 0.4/0.6 Nm)ProtectionIP66K, IP67 inserted and lighteneo (EN 60529)HousingBlack plastic (gray on request)Carenal dataNovidenter of wires5× 0.34 mm²No/diameter of wires5× 0.34 mm²No/diameter of wires5× 0.34 mm²Cabler of wires5× 0.34 mm²Cabler of wires5× 0.34 mm²Cable fulfication615Cabler of wires6× 0.34 mm²Cabler of wires6× 0.34 mm²Cabler of wires5× 0.34 mm²Cabler of wires5× 0.34 mm²Cabler of wires5× 0.34 mm²Cabler of wires6× 0.34 mm²Cabler of wires5× 0.34 mm²Cabler of wires5× 0.34 mm²Cabler of wires5× 0.34 mm²Cabler of wires6× 0.34 mm²Cabler of wires0.15 mmCabler of wires0.34 mm²Cabler of wires0.34 mm²Construction (core)19× 0.15 mm (muti-strand wire class 5)Diameter (core)5× 0.34 mm²Cabler of wires isolation6× 0.54 mm²Atterial (wire isolation)6× 0.54 mm²Atterial (wire isolation)6× 0.54 mm²Castruction (core)19× 0.15 mm (muti-strand wire class 5)Diameter (core) <t< th=""><th>Form</th><th></th></t<>	Form	
Operating voltage24 V DC ±25%Rated surge voltage0.8 kVOperating current per contactmax. 4 ACurrent consumptionapprox. 12 mALocking of portsM3/M12+1 mm (recommended torque 0.4/0.6 Nm)ProtectionIP66K, IP67 inserted and tightened (EN 60529)HousingBlack plastic (gray on request)General data	Form	40941
Rated surge voltage 0.8 kV Operating current per contact max. 4 A Current consumption approx. 12 mA Locking of ports M3/M1241 mm (recommended torque 0.4/0.6 Nm) Protection IP66K, IP67 inserted and tightened (EN 60529) Housing Black plastic (gray on request) General data	Technical Data	
Operating current per contact max. 4 A Current consumption approx. 12 mA Locking of ports M3M12x1 mm (recommended torque 0.4/0.6 Nm) Protection IP66K, IP67 inserted and tightened (EN 60529) Housing Black plastic (gray on request) General data	Operating voltage	24 V DC ±25%
Current consumption approx. 12 mA Locking of ports M3/M12×1 mm (recommended torque 0.4/0.6 Nm) Protection IP66K, IP67 inserted and tightened (EN 60529) Housing Black plastic (gray on request) General data	Rated surge voltage	0.8 kV
Locking of ports M3/M12×1 mm (recommended torque 0.4/0.6 Nm) Protection IP66K, IP67 inserted and tightened (EN 60529) Housing Black plastic (gray on request) General data	Operating current per contact	max. 4 A
Protection IP66K, IP67 inserted and tightened (EN 60529) Housing Black plastic (gray on request) General data	Current consumption	approx. 12 mA
Housing Black plastic (gray on request) General data Temperature range -25+85 °C, depending on cable quality Cables No./diameter of wires 5× 0.34 mm ² Wire isolation PVC (br, wh, bl, bk, gnye) Outer Ø 5.2 mm ±5% Cable identification 615 Cable identification 615 Cable weight [g/m] 48,4 g Material (wire) Cu wire, bare Resistor (core) max. 60 Ω/km (20 °C) Single wire Ø (core) 0.15 mm Construction (core) 19× 0.15 mm (multi-strand wire class 5) Diameter (core) 5× 0.34 mm ² AWG similar to AWG 22 Material property (wire isolation) 45 ± 5 D Wire-Ø ine. isolation) 45 ± 5 D Wire-Ø ine. isolation 1.25 mm ±5% Color/numbering of wires br, bk, bl, wh, gnye longitudinally striped	Locking of ports	M3/M12×1 mm (recommended torque 0.4/0.6 Nm)
General dataTemperature range-25+85 °C, depending on cable qualityCablesNo./diameter of wires5× 0.34 mm²Wire isolationPVC (br, wh, bl, bk, gnye)Outer Ø5.2 mm ±5%Cable identification615Cable identification615Cable identification615Cable weight [g/m]48.4 gMaterial (wire)Cu wire, bareResistor (core)max. 60 Ω/km (20 °C)Single wire Ø (core)0.15 mmConstruction (core)19× 0.15 mm (muti-strand wire class 5)Diameter (core)5× 0.34 mm²AWGsimilar to AWG 22Material (wire isolation)PVCMaterial (wire isolation)45 ±5 DWire-Ø (ncl. isolation)45 ±5 DWire-Ø (ncl. isolation)1.25 mm ±5%Color/numbering of wiresbr, bk, bl, wh, gnye longitudinally stripedStranding combination5 wires twisted around central filler	Protection	IP66K, IP67 inserted and tightened (EN 60529)
Temperature range-25+85 °C, depending on cable qualityCablesNo./diameter of wires5× 0.34 mm²Wire isolationPVC (br, wh, bl, bk, gnye)Outer Ø5.2 mm ±5%Cable identification615Cable identification615Cable weight [g/m]48.4 gMaterial (wire)Cu wire, bareResistor (core)max. 60 Ω/km (20 °C)Single wire Ø (core)0.15 mmConstruction (core)19× 0.15 mm (multi-strand wire class 5)Diameter (core)5× 0.34 mm²AWGsimilar to AWG 22Material (wire isolation)PVCMaterial (wire isolation)CFC-, cadmium-, silicone- and lead-freeShore hardness (wire isolation)45 ± DWire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresbr, bk, lw, ng ve longitudinally stripedStranding combination5 wires twisted around central filler	Housing	Black plastic (gray on request)
Cables No./diameter of wires 5 × 0.34 mm² Wire isolation PVC (br, wh, bl, bk, gnye) Outer Ø 5.2 mm ±5% Cable identification 615 Cable X 1 (PVC) Approval (cable) UL (AWM-Style 2464/1731), CSA Cable weight [g/m] 48.4 g Material (wire) Cu wire, bare Resistor (core) max. 60 Ω/km (20 °C) Single wire Ø (core) 0.15 mm Construction (core) 19× 0.15 mm (multi-strand wire class 5) Diameter (core) 5 × 0.34 mm² AWG similar to AWG 22 Material (wire isolation) PVC Material property (wire isolation) CFC-, cadmium-, silicone- and lead-free Shore hardness (wire isolation) 45 ± 5 D Wire-Ø incl. isolation 1.25 mm ±5% Color/numbering of wires br, bk, bl, wh, gnye longitudinally striped Stranding combination 5 wires twisted around central filler	General data	
No./diameter of wires $5 \times 0.34 \text{ mm}^2$ Wire isolationPVC (br, wh, bl, bk, gnye)Outer Ø $5.2 \text{ mm} \pm 5\%$ Cable identification 615 Cable Type1 (PVC)Approval (cable)UL (AWM-Style 2464/1731), CSACable weight [g/m] $48,4 \text{ g}$ Material (wire)Cu wire, bareResistor (core)max. 60 Ω/km (20 °C)Single wire Ø (core)0.15 mmConstruction (core)19 × 0.15 mm (multi-strand wire class 5)Diameter (core) $5 \times 0.34 \text{ mm}^2$ AWGsimilar to AWG 22Material (wire isolation)PVCMaterial (wire isolation)CFC-, cadmium-, silicone- and lead-freeShore hardness (wire isolation) 45 ± 5 DWire-Ø incl. isolation $1.25 \text{ mm} \pm 5\%$ Color/numbering of wiresbr, bk, bl, wh, gnye longitudinally stripedStranding combination5 wires twisted around central filler	Temperature range	-25+85 °C, depending on cable quality
Wire isolationPVC (br, wh, bl, bk, gnye)Outer Ø5.2 mm ±5%Cable identification615Cable Type1 (PVC)Approval (cable)UL (AWM-Style 2464/1731), CSACable weight [g/m]48,4 gMaterial (wire)Cu wire, bareResistor (core)max. 60 Ω/km (20 °C)Single wire Ø (core)0.15 mmConstruction (core)19× 0.15 mm (multi-strand wire class 5)Diameter (core)5× 0.34 mm²AWGsimilar to AWG 22Material (wire isolation)PVCMaterial property (wire isolation)45 ±5 DWire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, wh, gnye longitudinally stripedStranding combination5 wires twisted around central filler	Cables	
Outer Ø $5.2 \text{ mm} \pm 5\%$ Cable identification 615 Cable Type1 (PVC)Approval (cable)UL (AWM-Style 2464/1731), CSACable weight [g/m] $48,4 \text{ g}$ Material (wire)Cu wire, bareResistor (core)max. $60 \ \Omega/km (20 \ ^{\circ}C)$ Single wire Ø (core)0.15 mmConstruction (core)19× 0.15 mm (multi-strand wire class 5)Diameter (core) $5\times 0.34 \text{ mm}^2$ AWGsimilar to AWG 22Material (wire isolation)PVCMaterial property (wire isolation) CFC -, cadmium-, silicone- and lead-freeShore hardness (wire isolation) $45 \pm 5 \text{ D}$ Wire-Ø incl. isolation $1.25 \text{ mm} \pm 5\%$ Color/numbering of wiresbr, bk, bl, wh, gnye longitudinally stripedStranding combination 5 wires twisted around central filler	No./diameter of wires	5× 0.34 mm²
Cable identification615Cable Type1 (PVC)Approval (cable)UL (AWM-Style 2464/1731), CSACable weight [g/m]48,4 gMaterial (wire)Cu wire, bareResistor (core)max. 60 Ω/km (20 °C)Single wire Ø (core)0.15 mmConstruction (core)19× 0.15 mm (multi-strand wire class 5)Diameter (core)5× 0.34 mm²AWGsimilar to AWG 22Material (wire isolation)PVCMaterial property (wire isolation)CFC-, cadmium-, silicone- and lead-freeShore hardness (wire isolation)1.25 mm ±5%Color/numbering of wiresbr, bk, bl, wh, gnye longitudinally stripedStranding combination5 wires twisted around central filler	Wire isolation	PVC (br, wh, bl, bk, gnye)
Cable Type1 (PVC)Approval (cable)UL (AWM-Style 2464/1731), CSACable weight [g/m]48,4 gMaterial (wire)Cu wire, bareResistor (core)max. 60 Ω/km (20 °C)Single wire Ø (core)0.15 mmConstruction (core)19× 0.15 mm (multi-strand wire class 5)Diameter (core)5× 0.34 mm²AWGsimilar to AWG 22Material (wire isolation)PVCMaterial property (wire isolation)CFC-, cadmium-, silicone- and lead-freeShore hardness (wire isolation)1.25 mm ±5%Color/numbering of wiresbr, bk, bl, wh, gnye longitudinally stripedStranding combination5 wires twisted around central filler	Outer Ø	5.2 mm ±5%
Approval (cable)UL (AWM-Style 2464/1731), CSACable weight [g/m]48,4 gMaterial (wire)Cu wire, bareResistor (core)max. 60 Ω/km (20 °C)Single wire Ø (core)0.15 mmConstruction (core)19× 0.15 mm (multi-strand wire class 5)Diameter (core)5× 0.34 mm²AWGsimilar to AWG 22Material (wire isolation)PVCMaterial property (wire isolation)CFC-, cadmium-, silicone- and lead-freeShore hardness (wire isolation)45 ±5 DWire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, wh, gnye longitudinally stripedStranding combination5 wires twisted around central filler	Cable identification	615
Cable weight [g/m]48,4 gMaterial (wire)Cu wire, bareResistor (core)max. 60 Ω/km (20 °C)Single wire Ø (core)0.15 mmConstruction (core)19× 0.15 mm (multi-strand wire class 5)Diameter (core)5× 0.34 mm²AWGsimilar to AWG 22Material (wire isolation)PVCMaterial property (wire isolation)CFC-, cadmium-, silicone- and lead-freeShore hardness (wire isolation)45 ±5 DWire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, wh, gnye longitudinally stripedStranding combination5 wires twisted around central filler	Cable Type	1 (PVC)
Material (wire)Cu wire, bareResistor (core)max. 60 Ω/km (20 °C)Single wire Ø (core)0.15 mmConstruction (core)19× 0.15 mm (multi-strand wire class 5)Diameter (core)5× 0.34 mm²AWGsimilar to AWG 22Material (wire isolation)PVCMaterial property (wire isolation)CFC-, cadmium-, silicone- and lead-freeShore hardness (wire isolation)45 ±5 DWire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, wh, gnye longitudinally stripedStranding combination5 wires twisted around central filler	Approval (cable)	UL (AWM-Style 2464/1731), CSA
Resistor (core)max. 60 Ω/km (20 °C)Single wire Ø (core)0.15 mmConstruction (core)19× 0.15 mm (multi-strand wire class 5)Diameter (core)5× 0.34 mm²AWGsimilar to AWG 22Material (wire isolation)PVCMaterial property (wire isolation)CFC-, cadmium-, silicone- and lead-freeShore hardness (wire isolation)45 ±5 DWire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, wh, gnye longitudinally stripedStranding combination5 wires twisted around central filler	Cable weight [g/m]	48,4 g
Single wire Ø (core)0.15 mmConstruction (core)19× 0.15 mm (multi-strand wire class 5)Diameter (core)5× 0.34 mm²AWGsimilar to AWG 22Material (wire isolation)PVCMaterial property (wire isolation)CFC-, cadmium-, silicone- and lead-freeShore hardness (wire isolation)45 ±5 DWire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, wh, gnye longitudinally stripedStranding combination5 wires twisted around central filler	Material (wire)	Cu wire, bare
Construction (core)19× 0.15 mm (multi-strand wire class 5)Diameter (core)5× 0.34 mm²AWGsimilar to AWG 22Material (wire isolation)PVCMaterial property (wire isolation)CFC-, cadmium-, silicone- and lead-freeShore hardness (wire isolation)45 ±5 DWire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, wh, gnye longitudinally stripedStranding combination5 wires twisted around central filler	Resistor (core)	max. 60 Ω/km (20 °C)
Diameter (core) $5 \times 0.34 \text{ mm}^2$ AWGsimilar to AWG 22Material (wire isolation)PVCMaterial property (wire isolation)CFC-, cadmium-, silicone- and lead-freeShore hardness (wire isolation)45 ±5 DWire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, wh, gnye longitudinally stripedStranding combination5 wires twisted around central filler	Single wire \emptyset (core)	0.15 mm
AWGsimilar to AWG 22Material (wire isolation)PVCMaterial property (wire isolation)CFC-, cadmium-, silicone- and lead-freeShore hardness (wire isolation)45 ±5 DWire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, wh, gnye longitudinally stripedStranding combination5 wires twisted around central filler	Construction (core)	19× 0.15 mm (multi-strand wire class 5)
Material (wire isolation) PVC Material property (wire isolation) CFC-, cadmium-, silicone- and lead-free Shore hardness (wire isolation) 45 ±5 D Wire-Ø incl. isolation 1.25 mm ±5% Color/numbering of wires br, bk, bl, wh, gnye longitudinally striped Stranding combination 5 wires twisted around central filler	Diameter (core)	5× 0.34 mm ²
Material property (wire isolation) CFC-, cadmium-, silicone- and lead-free Shore hardness (wire isolation) 45 ±5 D Wire-Ø incl. isolation 1.25 mm ±5% Color/numbering of wires br, bk, bl, wh, gnye longitudinally striped Stranding combination 5 wires twisted around central filler	AWG	similar to AWG 22
Shore hardness (wire isolation) 45 ±5 D Wire-Ø incl. isolation 1.25 mm ±5% Color/numbering of wires br, bk, bl, wh, gnye longitudinally striped Stranding combination 5 wires twisted around central filler	Material (wire isolation)	PVC
Wire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresbr, bk, bl, wh, gnye longitudinally stripedStranding combination5 wires twisted around central filler	Material property (wire isolation)	CFC-, cadmium-, silicone- and lead-free
Color/numbering of wiresbr, bk, bl, wh, gnye longitudinally stripedStranding combination5 wires twisted around central filler	Shore hardness (wire isolation)	45 ±5 D
Stranding combination 5 wires twisted around central filler	Wire-Ø incl. isolation	1.25 mm ±5%
	Color/numbering of wires	br, bk, bl, wh, gnye longitudinally striped
Shield no	Stranding combination	5 wires twisted around central filler
	Shield	no

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Material (jacket)	PVC
Material property (jacket)	CFC-, cadmium-, silicone- and lead-free
Shore hardness (jacket)	85 ±5 A
Outer-Ø (jacket)	5.2 mm ±5%
Color (jacket)	black
Jacket Color	black
chemical resistance	good resistance to oil, gasoline and chemicals
thermal resistance	flame retardant UL 1581 VW1 / CSA FT1
Nominal voltage	UL 300 V AC
Test voltage	2000 V AC
Current load capacity	to DIN VDE 0298-4
Temperature range (fixed)	-30+80 °C
Temperature range (fixed)	-30+80 °C
Temperature range (mobile)	-5+80 °C
Temperature range (mobile)	-5+80 °C
Bend radius (fixed)	5× outer Ø
Bend radius (moving)	10× outer Ø
Bend radius (moving)	10× outer Ø
Material (jacket)	PVC (UL/CSA)
Product article number of manufacturer	7000-40941-6150200
Cable length	2 m

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