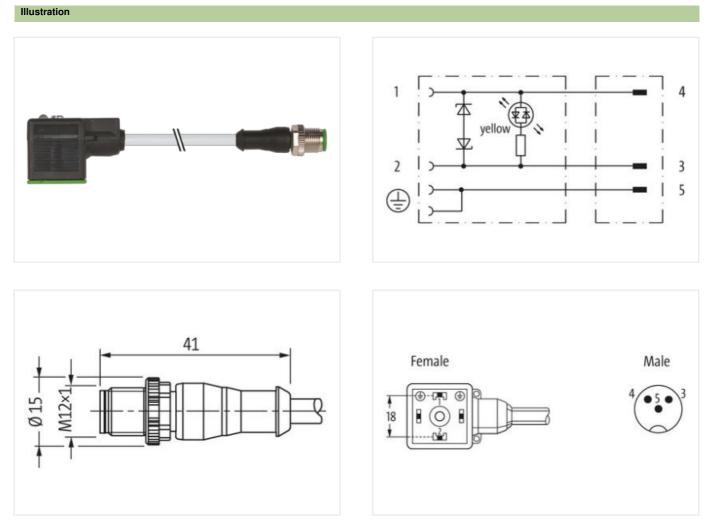


M12 male 0° A-cod. / MSUD valve plug A-18mm

PUR 3x0.75 gy UL/CSA+robot+drag ch. 5m

Form A (18 mm) – M12, male straight 24 V AC ±20% / DC ±25% LED and suppression Bridged PE A-coded 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.

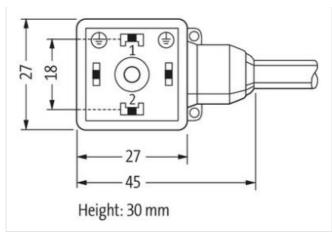
Link to Product



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Product may differ from Image



* only for products with UL/CSA approved cable

Form 40881 Technical Dats 24 V AC ±20% / DC ±25% Rated surge voltage 0.8 kV Operating voltage 0.8 kV Operating current oper contact max. 4 A Current consumption max. 15 mA Material group IEC 60664-1, category I Switch off peak max. 55 V ED display yellow Locking of ports M3/M12+1 mm (recommended torque 0.4/0.6 Nm) Protection IP67 inserted and tigtneed (EN 60529) Material MSUD (PBT); M12 (PUR) Locking material ICn clic casting, matte nickel plated suitable for corrugated tube (internal 0) 10 mm Housing Black plastic (gray on request) Compression gland M12 (SW13) Switch off delay time yellow Polluto Degree 3 Temperature area >56+85 °C, depending on cable quality Cable identification 26 Cable identification 50 Cable identification 50 Cable identification 50 Cable identification <		
Technical Data Operating voltage 24 V AC ±20% / DC ±25% Rated surge voltage 0.8 kV Operating ourrent per contact max. 4 A Current consumption max. 15 mA Material group IEC 60664.1, category 1 Switch off peak max. 55 v LED display yellow Locking of ports M3/M12×1 mm (recommended torque 0.4/0.6 Nm) Protection IP67 inserted and tightened (EN 60529) Material MSUD (PBT); M12 (PUR) Locking of ports M3/M12×1 mm (recommended torque 0.4/0.6 Nm) Protection IP67 inserted and tightened (EN 60529) Material MSUD (PBT); M12 (PUR) Locking material Zinc die casting, matte nickel plated suitable for corrugated tube (internal 0) 10 mm Housing Black plastic (gray on request) Compression gland M12 (SW13) Switch off delay time max. 20 ms Cable identification 256 Cable identification 256 Cable identification 256 Cable weight [gm] 48.4 g	Form	
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Rated surge voltage 0.8 kV Operating current per contact max. 4 A Current consumption max. 15 mA Material group IEC 60664-1, category I Switch off peak max. 55 V LED display yellow Locking of ports M3/M12×1 mm (recommended torque 0.40.6 Nm) Protection IP67 inserted and tightened (EN 60529) Material MSUD (PBT; M12 (PUR) Locking material Zinc die casting, matte nickel plated suitable for corrugated tube (internal Ø) 10 mm Housing Black plastic (gray on request) Compression gland M12 (SW13) Switch off delay time max. 20 ms General dat Cables Volta PUR Pollution Degree 3 Temperature range 255485 °C, depending on cable quality Cable Cable Stype Cable Type 5 (PUR schweißflunkenbeständig) Approval (cable) cURus (AWM-Style 20549/10433); CE conform Cable Meight [g/m] 48,4 g Material (wire) cu wire, bare	Technical Data	
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Current consumption max. 15 mA Material group IEC 60664-1, category I Switch oft peak max. 55 V LED display yellow Locking of ports M3/M12×1 mm (recommended torque 0.4/0.6 Nm) Protection IP67 inserted and tightened (EN 60529) Material MSUD (PBT); M12 (PUR) Locking material Zinc die casting, matte nickel plated suitable for corrugated tube (internal Ø) 10 mm Housing Black plastic (gray on request) Compression gland M12 (SW13) Switch off delay time max. 20 ms General data Material (gasket) PUR Politutio Degree 3 Temperature range -25+85 °C, depending on cable quality Cable S Cable function 256 Cable function 256 Cable Type 5 (PUR schweißfunkenbeständig) Approval (cable) cursus (AVM-Style 20549/10493); CE conform Cable Type 5 (PUR schweißfunkenbeständig) Approval (cable) curse, bare Resistor	Rated surge voltage	0.8 kV
Material groupIEC 60664-1, category ISwitch off peakmax. 55 VLED displayyellowLocking of portsM3/M12+1 mm (recommended torque 0.4/0.6 Nm)ProtectionIP67 inserted and tightened (EN 60529)MaterialMSUD (PBT); M12 (PUR)Locking materialZinc die casting, matte nickel platedsuitable for corrugated tube (internal Ø)10 mmHousingBlack plastic (gray on request)Compression glandM12 (SW13)Switch off delay timemax. 20 msGeneral dataVURPollution Degree3Temperature range-25+85 °C, depending on cable qualityCable for distribution256Cable fulfication256Cable fulfication256Cable Vipp5 (PUR schweißfunkenbeständig)Approval (cable)cU wire, bareResistor (core)max. 26 0/km (20 °C)Single wire Ø (core)0.15 mmConstruction (core)42×.015 mm*	Operating current per contact	max. 4 A
Switch off peak max. 55 V LED display yellow Locking of ports M3/M12-1 mm (recommended torque 0.4/0.6 Nm) Protection IP67 inserted and tightened (EN 60529) Material MSUD (PBT); M12 (PUR) Locking material Zinc die casting, matte nickel plated suitable for corrugated tube (internal Ø) 10 mm Housing Black plastic (gray on request) Compression gland M12 (SW13) Switch off delay time max. 20 ms General data Material (gasket) PUR Pollution Degree 3 Temperature range -25+85 °C, depending on cable quality Cable S Cable Identification 256 Cable Identification 256 Cable Vipe 5 (PUR schweißfunkenbeständig) Approval (cable) cUr wire, bare Resistor (core) max. 26 Ω/km (20 °C) Single wire Ø (core) 0.15 mm Construction (core) 42× 0.15 mm (multi-strand wire class 6) Diameter (core) 3× 0.75 mm ²	Current consumption	max. 15 mA
LED display yellow Locking of ports M3/M12×1 mm (recommended torque 0.4/0.6 Nm) Protection IP67 inserted and tightened (EN 60529) Material MSUD (PBT); M12 (PUR) Locking material Zinc die casting, matte nickel plated suitable for corrugated tube (internal Ø) 10 mm Housing Black plastic (gray on request) Compression gland M12 (SW13) Switch off delay time max. 20 ms General data VER Pollution Degree 3 Temperature range -25+85 °C, depending on cable quality Cables VER Cable identification 256 Cable identification 256 Cable weight [g/m] 48.4 g Material (wire) Cu wire, bare Resistor (core) max. 26 o°C) Single wire Ø (core) 0.15 mm Construction (core) 42× 0.15 mm (multi-strand wire class 6)	Material group	IEC 60664-1, category I
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Locking material Zinc die casting, matte nickel plated suitable for corrugated tube (internal Ø) 10 mm Housing Black plastic (gray on request) Compression gland M12 (SW13) Switch off delay time max. 20 ms General data PUR Pollution Degree 3 Temperature range -25+85 °C, depending on cable quality Cables Cable identification Cable identification 256 Cable VPP 5 (PUR schweißfunkenbeständig) Approval (cable) cURus (AWM-Style 20549/10493); CE conform Cable weight [g/m] 48.4 g Material (wire) Cu wire, bare Resistor (core) max. 26 Ω/km (20 °C) Single wire Ø (core) 0.15 mm Construction (core) 42× 0.15 mm (multi-strand wire class 6) Diameter (core) 3× 0.75 mm²	Protection	IP67 inserted and tightened (EN 60529)
suitable for corrugated tube (internal Ø)10 mmHousingBlack plastic (gray on request)Compression glandM12 (SW13)Switch off delay timemax. 20 msGeneral dataMaterial (gasket)PURPollution Degree3Temperature range-25+85 °C, depending on cable qualityCablesCable identification256Cable identification256Cable Vpe5 (PUR schweißfunkenbeständig)Approval (cable)cURus (AWM-Style 20549/1043); CE conformCable weight [g/m]48.4 gMaterial (wire)Cu wire, bareResistor (core)max. 26 Ω/km (20 °C)Single wire Ø (core)0.15 mmConstruction (core)42× 0.15 mm (multi-strand wire class 6)Diameter (core)3× 0.75 mm²	Material	MSUD (PBT); M12 (PUR)
HousingBlack plastic (gray on request)Compression glandM12 (SW13)Switch off delay timemax. 20 msGeneral dataPURMaterial (gasket)PURPollution Degree3Temperature range-25+85 °C, depending on cable qualityCablesCable identification256Cable identification25.Cable I Type5 (PUR schweißfunkenbeständig)Approval (cable)cURus (AWM-Style 20549/10493); CE conformCable weight [g/m]48.4 gMaterial (wire)Cu wire, bareResistor (core)max. 26 Ω/km (20 °C)Single wire Ø (core)0.15 mmConstruction (core)42× 0.15 mm (multi-strand wire class 6)Diameter (core)3× 0.75 mm²	Locking material	Zinc die casting, matte nickel plated
Compression glandM12 (SW13)Switch off delay timemax. 20 msGeneral dataPURMaterial (gasket)PURPollution Degree3Temperature range-25+85 °C, depending on cable qualityCablesCable identification256Cable I Type5 (PUR schweißfunkenbeständig)Approval (cable)cURus (AWM-Style 20549/10493); CE conformCable weight [g/m]48,4 gMaterial (wire)Cu wire, bareResistor (core)max. 26 Ω/km (20 °C)Single wire Ø (core)0.15 mmConstruction (core)42 × 0.15 mm (multi-strand wire class 6)Diameter (core)3 × 0.75 mm²	suitable for corrugated tube (internal \emptyset)	10 mm
Switch off delay timemax. 20 msGeneral dataMaterial (gasket)PURPollution Degree3Temperature range-25+85 °C, depending on cable qualityCablesCable identification256Cable identification256Cable ype5 (PUR schweißfunkenbeständig)Approval (cable)cURus (AWM-Style 20549/10493); CE conformCable weight [g/m]48,4 gMaterial (wire)Cu wire, bareResistor (core)max. 26 Ω/km (20 °C)Single wire Ø (core)0.15 mmConstruction (core)42× 0.15 mm (multi-strand wire class 6)Diameter (core)3× 0.75 mm²	Housing	Black plastic (gray on request)
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Material (gasket)PURPollution Degree3Temperature range-25+85 °C, depending on cable qualityCablesCable identification256Cable Type5 (PUR schweißfunkenbeständig)Approval (cable)cURus (AWM-Style 20549/10493); CE conformCable weight [g/m]48,4 gMaterial (wire)Cu wire, bareResistor (core)max. 26 Ω/km (20 °C)Single wire Ø (core)0.15 mmConstruction (core)42× 0.15 mm (multi-strand wire class 6)Diameter (core)3× 0.75 mm²	Switch off delay time	max. 20 ms
Pollution Degree3Temperature range-25+85 °C, depending on cable qualityCablesCable identification256Cable Type5 (PUR schweißfunkenbeständig)Approval (cable)cURus (AWM-Style 20549/10493); CE conformCable weight [g/m]48,4 gMaterial (wire)Cu wire, bareResistor (core)max. 26 Ω/km (20 °C)Single wire Ø (core)0.15 mmConstruction (core)42× 0.15 mm (multi-strand wire class 6)Diameter (core)3× 0.75 mm²	General data	
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CablesCable identification256Cable Type5 (PUR schweißfunkenbeständig)Approval (cable)cURus (AWM-Style 20549/10493); CE conformCable weight [g/m]48,4 gMaterial (wire)Cu wire, bareResistor (core)max. 26 Ω/km (20 °C)Single wire Ø (core)0.15 mmConstruction (core)42× 0.15 mm (multi-strand wire class 6)Diameter (core)3× 0.75 mm²	Pollution Degree	3
Cable identification256Cable Type5 (PUR schweißfunkenbeständig)Approval (cable)cURus (AWM-Style 20549/10493); CE conformCable weight [g/m]48,4 gMaterial (wire)Cu wire, bareResistor (core)max. 26 Ω/km (20 °C)Single wire Ø (core)0.15 mmConstruction (core)42× 0.15 mm (multi-strand wire class 6)Diameter (core)3× 0.75 mm²	Temperature range	-25+85 °C, depending on cable quality
Cable Type5 (PUR schweißfunkenbeständig)Approval (cable)cURus (AWM-Style 20549/10493); CE conformCable weight [g/m]48,4 gMaterial (wire)Cu wire, bareResistor (core)max. 26 Ω/km (20 °C)Single wire Ø (core)0.15 mmConstruction (core)42× 0.15 mm (multi-strand wire class 6)Diameter (core)3× 0.75 mm²	Cables	
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Cable weight [g/m] 48,4 g Material (wire) Cu wire, bare Resistor (core) max. 26 Ω/km (20 °C) Single wire Ø (core) 0.15 mm Construction (core) 42× 0.15 mm (multi-strand wire class 6) Diameter (core) 3× 0.75 mm²	Cable Type	5 (PUR schweißfunkenbeständig)
Material (wire) Cu wire, bare Resistor (core) max. 26 Ω/km (20 °C) Single wire Ø (core) 0.15 mm Construction (core) 42× 0.15 mm (multi-strand wire class 6) Diameter (core) 3× 0.75 mm²	Approval (cable)	cURus (AWM-Style 20549/10493); CE conform
Resistor (core) max. 26 Ω/km (20 °C) Single wire Ø (core) 0.15 mm Construction (core) 42× 0.15 mm (multi-strand wire class 6) Diameter (core) 3× 0.75 mm²	Cable weight [g/m]	48,4 g
Single wire Ø (core) 0.15 mm Construction (core) 42× 0.15 mm (multi-strand wire class 6) Diameter (core) 3× 0.75 mm²	Material (wire)	Cu wire, bare
Construction (core) 42× 0.15 mm (multi-strand wire class 6) Diameter (core) 3× 0.75 mm²	Resistor (core)	max. 26 Ω/km (20 °C)
Diameter (core) 3× 0.75 mm ²	Single wire Ø (core)	0.15 mm
	Construction (core)	42× 0.15 mm (multi-strand wire class 6)
AWG similar to AWG 18	Diameter (core)	3× 0.75 mm ²
	AWG	similar to AWG 18

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Material (wire isolation)	PP
Material property (wire isolation)	CFC-, halogen-, cadmium-, silicone- and lead-free
Shore hardness (wire isolation)	74 ±3 D
Wire-Ø incl. isolation	1.7 mm ±5%
Color/numbering of wires	bk numbered, gnye longitudinally striped
Stranding combination	3 wires twisted
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-, microbial- and welding spark resistant
Shore hardness (jacket)	58 ±3 D
Outer-Ø (jacket)	5.2 mm ±5%
Color (jacket)	gray
chemical resistance	good resistance to oil, gasoline and chemicals (EN 60811-404)
thermal resistance	flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant
Nominal voltage	300 V AC
Test voltage	2500 V AC
Current load capacity	to DIN VDE 0298-4
Temperature range (fixed)	-40+80 °C, (+90 °C at max. 10 000 operating hours)
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
No. of bending cycles (C-track)	max. 10 Mio. (25 °C)
Travel speed (C-track)	max. 3.3 m/s
Acceleration (C-track)	max. 5 m/s ²
Torsion stress	±360°/m
No. of torsion cycles	max. 1 Mio. (25 °C)
Torsion speed	35 cycles/min
Product article number of manufacturer	7000-40881-2560500
Cable length	5 m

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