

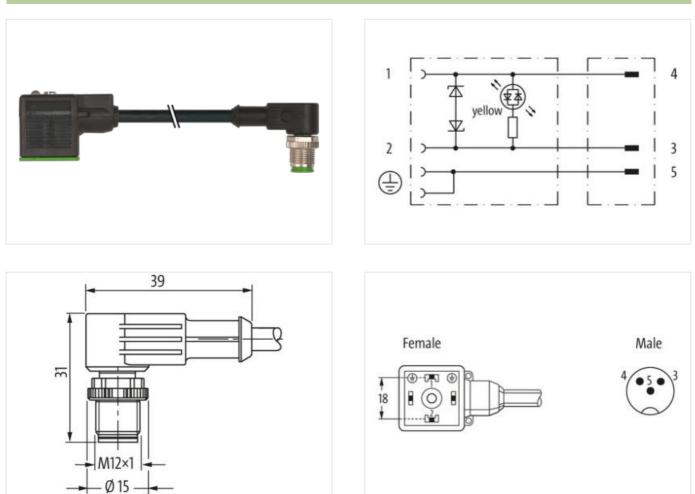
M12 male 90° A-cod. / MSUD valve plug A-18mm

PUR 3x0.75 bk UL/CSA+robot+drag ch. 0.6m

Form A (18 mm) – M12, male 90° 24 V AC ±20% / DC ±25% LED and suppression Bridged PE Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request 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

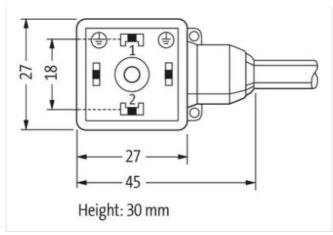




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Product may differ from Image



* only for products with UL/CSA approved cable

Switch 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)Additional suppressorDiode/2-DiodeCompression glandM12 (SW13)Switch off delay timemax. 20 msGeneral data-25+85 °C, depending on cable qualityCablesCablesCable identification656Cable identification656Cable (cable)cURus (AWM-Style 20549/10493); CE conformCable weight [g/m]48,4 gMaterial (wire)Cu wire, bare	Form	
Operating voltage 24 V AC ±20% / DC ±25% Rated surge voltage 0.8 kV Operating current per contact max. 4 A Current consumption approx. 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 0.4/0.6 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 plasic (gray on request) Additional suppressor Diode/Z-Diode Compression gland M12 (SW13) Switch off delay time max. 20 ms Centeral data VER Pollution Degree 3 Temperature range -25+85 °C, depending on cable quality Cable Type 5 (PUR schweißfunkenbeständig) Approval (cable) CURus (AWM-Style 20549/10483); CE conform Cable Type 5 (PUR schweißfunkenbeständig) Approval (c	Form	40901
Rated surge voltage 0.8 kV Operating current per contact max. 4 A Current consumption approx. 15 mA Material group IEC 606641, category I 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) Additional suppressor Diode/Z-Diode Compression gland M12 (SW13) Switch off delay time max. 25 °C, depending on cable quality Cable identification 656 Cable identification 656 Cable identification 656 Cable identification 656 Cable regist (grim) 48.4 g Material (wire) Cu wire, bare Resistor (core) max. 26 Qkm (20 °C) Singe wire Ø (core) 0.15 mm (multi-strand wire class	Technical Data	
Operating current per contact max. 4 A Current consumption approx. 15 mA Material group IEC 6064-1, category I Switch off peak max. 55 V EED 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) Additional suppressor Diode7.2-Diode Compression gland M12 (SW13) Switch off delay time max. 20 ms Ceneral data PUR Pollution Degree 3 Temperature range -85 °C, depending on cable quality Cable demtification 656 Cable fortfication 656 Cable weight [g/m]	Operating voltage	24 V AC ±20% / DC ±25%
Current consumptionapprox. 15 mAMaterial 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 plasite (gray on request)Additional suppressorDiode/Z-DiodeCompression glandM12 (SW13)Switch off delay timemax. 20 msCeneral data	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 lightened (EN 60529)MaterialMSUD (PBT); M12 (PUR)Locking materialZinc die casting, matte nickel platedsuitable for corrugated tube (internal Ø)10 mmHousingBlack plastic (gray on request)Additional suppressorDiode?-DiodeCompression glandM12 (SW13)Switch off delay timemax. 20 msGeneral data-25+85 °C, depending on cable qualityCables-25+85 °C, depending on cable qualityCables-25+85 °C, depending on cable qualityCables-25+85 °C, depending on cable qualityCable identification656Cable weight (g/m)48,4 gMaterial (wire)Cu wire, bareResistor (core)0.15 mmConstruction (core)42× 0.15 mm (multi-strand wire class 6)	Operating current per contact	max. 4 A
Switch 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)Additional suppressorDiode/Z-DiodeCompression glandM12 (SW13)Switch off delay timemax. 20 msGeneral dataMaterialPollution Degree3Temperature range-25+85 °C, depending on cable qualityCablesCablesCable identification656Cable identification656Cable weight [g/m]48.4 gMaterial (wire)Cu wire, bareResistor (core)0.15 mmConstruction (core)42× 0.15 mm (multi-strand wire class 6)	Current consumption	approx. 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) Additional suppressor Diode/2-Diode 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 Cables Cable Type 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) 0.15 mm Construction (core) 0.15 mm (multi-strand wire class 6)	Material group	IEC 60664-1, category I
Locking 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)Additional suppressorDiode/Z-DiodeCompression glandM12 (SW13)Switch off delay timemax. 20 msGeneral dataPollution Degree3Temperature range-25+85 °C, depending on cable qualityCablesCable identification656Cable identification656Cable (Jourge)culture, Style (Jourge)Approval (cable)cURus (AWM-Style 20549/10493); CE conformCable identification48,4 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)	Switch off peak	max. 55 V
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) Additional suppressor Diode/Z-Diode 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 Cables Cable identification 656 Cable Type 5 (PUR schweißfunkenbeständig) Approval (cable) cURus (AVM-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)	LED display	yellow
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) Additional suppressor Diode/Z-Diode 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 Gable identification 656 Cable display CURus (AWM-Style 20549/10493); CE conform Cable weight [g/m] 48.4 g Material (wire) Cu wire, bare Resistor (core) max. 26 °C)	Locking of ports	M3/M12×1 mm (recommended torque 0.4/0.6 Nm)
Locking materialZinc die casting, matte nickel platedsuitable for corrugated tube (internal Ø)10 mmHousingBlack plastic (gray on request)Additional suppressorDiode/Z-DiodeCompression glandM12 (SW13)Switch off delay timemax. 20 msGeneral dataMaterial (gasket)PURPollution Degree3Temperature range-25+85 °C, depending on cable qualityCablesCable identification656Cable IType5 (PUR schweißfunkenbeständig)Approval (cable)cURus (AWM-Style 20549/10493); CE conformCable weight [g/m]48,4 gMaterial (wire)Cu wire, bareResistor (core)max. 26 Q/km (20 °C)Single wire Ø (core)0.15 mmConstruction (core)42× 0.15 mm (mutti-strand wire class 6)	Protection	IP67 inserted and tightened (EN 60529)
suitable for corrugated tube (internal Ø) 10 mm Housing Black plastic (gray on request) Additional suppressor Diode/Z-Diode Compression gland M12 (SW13) Switch off delay time max. 20 ms General data Material (gasket) Pollution Degree 3 Temperature range -25+85 °C, depending on cable quality Cables Cables Cable identification 656 Cable Identification 656 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)	Material	MSUD (PBT); M12 (PUR)
HousingBlack plastic (gray on request)Additional suppressorDiode/Z-DiodeCompression glandM12 (SW13)Switch off delay timemax. 20 msGeneral dataMaterial (gasket)PURPollution Degree3Temperature range-25+85 °C, depending on cable qualityCablesCablesCable identification656Cable Jype5 (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 mm (multi-strand wire class 6)	Locking material	Zinc die casting, matte nickel plated
Additional suppressorDiode/Z-DiodeCompression glandM12 (SW13)Switch off delay timemax. 20 msGeneral dataPURPollution Degree3Temperature range-25+85 °C, depending on cable qualityCablesCable identification656Cable identification656Cable VCURus (AWM-Style 20549/10493); CE conformCable weight [g/m]48.4 gMaterial (wire)Cu wire, bareResistor (core)0.15 mmConstruction (core)42× 0.15 mm (multi-strand wire class 6)	suitable for corrugated tube (internal \emptyset)	10 mm
Compression glandM12 (SW13)Switch off delay timemax. 20 msGeneral dataPURMaterial (gasket)PURPollution Degree3Temperature range-25+85 °C, depending on cable qualityCablesCablesCable identification656Cable Jype5 (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)	Housing	Black plastic (gray on request)
Switch off delay timemax. 20 msGeneral dataPURMaterial (gasket)PURPollution Degree3Temperature range-25+85 °C, depending on cable qualityCablesCable identification656Cable 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 mm (multi-strand wire class 6)	Additional suppressor	Diode/Z-Diode
General dataMaterial (gasket)PURPollution Degree3Temperature range-25+85 °C, depending on cable qualityCables-25+85 °C, depending on cable qualityCables56Cable identification656Cable 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)	Compression gland	M12 (SW13)
Material (gasket)PURPollution Degree3Temperature range-25+85 °C, depending on cable qualityCablesCable identification656Cable 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)	Switch off delay time	max. 20 ms
Pollution Degree3Temperature range-25+85 °C, depending on cable qualityCablesCable identification656Cable 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)	General data	
Temperature range-25+85 °C, depending on cable qualityCablesCable identification656Cable 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)	Material (gasket)	PUR
CablesCable identification656Cable 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)	Pollution Degree	3
Cable identification656Cable 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)	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)	Cables	
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Cable 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)	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)	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)	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)	Material (wire)	Cu wire, bare
Construction (core) 42× 0.15 mm (multi-strand wire class 6)	Resistor (core)	max. 26 Ω/km (20 °C)
	Single wire Ø (core)	0.15 mm
Diameter (core) 3× 0.75 mm ²	Construction (core)	42× 0.15 mm (multi-strand wire class 6)
	Diameter (core)	3× 0.75 mm ²

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AWG	similar to AWG 18
Material (wire isolation)	PP
Material property (wire isolation)	CFC-, halogen-, cadmium-, silicone- and lead-free
Shore hardness (wire isolation)	58 ±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)	black
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	7000-40901-6560060
Cable length	0,6 m

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