

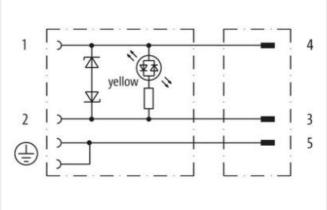
M12 male 90° A-cod. / MSUD valve plug A-18mm

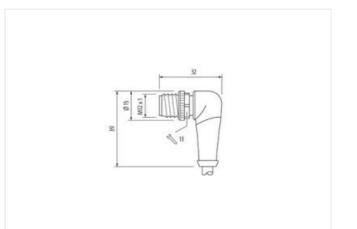
PUR 3x0.75 bk UL/CSA+drag ch. 1.2m

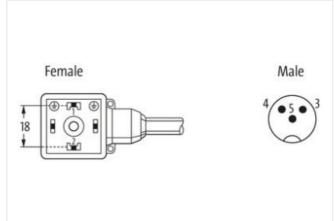
Form A (18 mm) – M12, male 90° 24 V AC ±20% / DC ±25% LED and suppression Bridged PE Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

Link to Product









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Product may differ from Image



Cable length	1,2 m
Side 1	
Tightening torque	0,6 Nm
Family construction form	MSUD
Thread	M12 x 1
Material	PUR
Degree of protection (EN IEC 60529)	IP67
Side 2	
Tightening torque	0,4 Nm
Family construction form	M12
Thread	M3
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	4048879412476
Packaging unit	1
Electrical data	
Capacity CX	20 ms
Electrical data Supply	
Operating voltage AC	24 V

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	19,2 V
Operating voltage AC min.	13,2 V
Operating voltage AC max.	28,8 V
Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Cut-off peak voltage max.	55 V
Current operating per contact max.	4 A
Current consumption max.	15 mA
Diagnostics	
Status indication LED	yellow
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0.8 kV
Material group (IEC 60664-1)	
Additional suppressor	Diode, Z-Diode
Mechanical data Material data	
	NP-L-1-4
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 min.	-25 °C
Operating temperature max.	85 °C
Operating temperature max. Additional condition temperature range	
Operating temperature max. Additional condition temperature range Important installation notes	85 °C depending on cable quality
Operating temperature max. Additional condition temperature range	85 °C depending on cable quality Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
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Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Installation Cable Cable identification Cable Type	85 °C depending on cable quality Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. 636 3
Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Installation Cable Cable identification Cable Type Printing color of wire insulation	85 °C depending on cable quality Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. 636 3 white (isolation black)
Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color	85 °C depending on cable quality Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. 636 3 white (isolation black) black
Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate	85 °C depending on cable quality Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. 636 3 white (isolation black) black cURus
Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding	85 °C depending on cable quality Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. 636 3 white (isolation black) black cURus 1
Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding	85 °C depending on cable quality Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. 636 3 white (isolation black) black cURus 1 3 wires twisted
Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement	85 °C depending on cable quality Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. 636 3 white (isolation black) black cURus 1 3 wires twisted black 2, green-yellow
Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Traversing distance (C-track)	85 °C depending on cable quality Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. 636 3 white (isolation black) black cURus 1 3 wires twisted black 1, black 2, green-yellow 10 m @ 25 °C horizontal
Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Traversing distance (C-track) Cable weigth	85 °C depending on cable quality Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. 636 3 white (isolation black) black cURus 1 3 wires twisted black 1, black 2, green-yellow 10 m @ 25 °C horizontal 56,1 g/m
Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Traversing distance (C-track) Cable weigth Material jacket	85 °C depending on cable quality Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. 636 3 white (isolation black) black cURus 1 3 wires twisted black 1, black 2, green-yellow 10 m @ 25 °C horizontal 56,1 g/m PUR
Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket	85 °C depending on cable quality Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. 636 3 white (isolation black) black cURus 1 3 wires twisted black 1, black 2, green-yellow 10 m @ 25 °C horizontal 56,1 g/m PUR 90 ± 5 Shore A
Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Installation Cable Cable identification Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	85 °C depending on cable quality Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. 636 3 white (isolation black) black cURus 1 3 wires twisted black 1, black 2, green-yellow 10 m @ 25 °C horizontal 56,1 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Installation Cable Cable identification Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	85 °C depending on cable quality Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. 636 3 white (isolation black) black cURus 1 3 wires twisted black 1, black 2, green-yellow 10 m @ 25 °C horizontal 56,1 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free 5,9 mm
Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Installation Cable Cable identification Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	85 °C depending on cable quality Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. 636 3 white (isolation black) black cURus 1 3 wires twisted black 1, black 2, green-yellow 10 m @ 25 °C horizontal 56,1 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,9 mm ± 5 %
Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	85 °C depending on cable quality Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. 636 3 white (isolation black) black cURus 1 3 wires twisted black 1, black 2, green-yellow 10 m @ 25 °C horizontal 56,1 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,9 mm ± 5 % PP

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Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Printing color of wire insulation	white (isolation black)
Amount strands (wire)	42
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,75 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	12 A
Electrical resistance line constant wire	26 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min

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