

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

PUR 3x0.75 ye UL/CSA+robot+drag ch. 1.5m

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

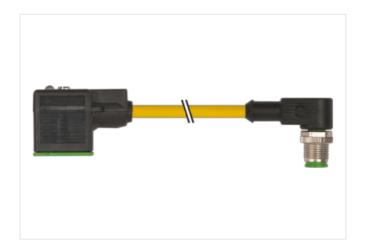
Further cable lengths on request.

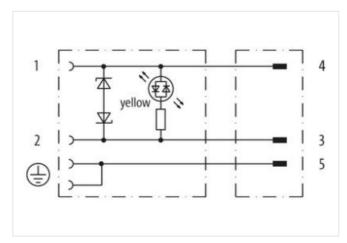
Plastic housings with good resistance against chemicals and oils.

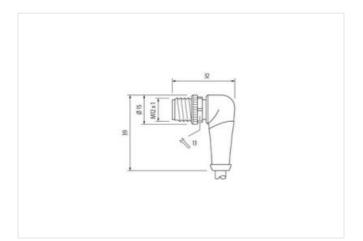
The resistance to aggressive media should be individually tested for your application. Further details on request.

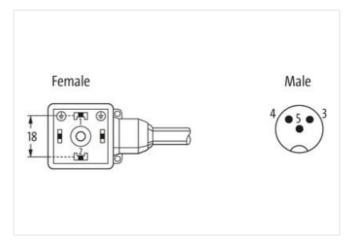
Link to Product

Illustration



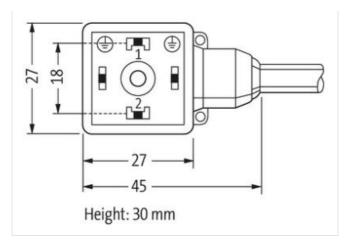








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Product may differ from Image









Cable length	1,5 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	27061801
customs tariff number	85444290
GTIN	4065909097014
Packaging unit	1
Electrical data	
Drop-out delay time max.	20 ms
Electrical data Supply	
Operating voltage AC	24 V
Operating voltage AC min.	19,2 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

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-20



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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)	I I
Additional suppressor	Diode, Z-Diode
Mechanical data Material data	,
Coating locking	safe-cover coated
Color housing	black
Material gasket	PUR
Material housing	Plastic
_ocking material	Zinc die-casting
Mechanical data Mounting data	Zino die odding
• -	incomed assumed
Mounting method	inserted, screwed
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 ℃
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Installation Cable	
wire arrangement	black 1, black 2, green-yellow
Cable identification	056
Cable Type	5
Printing color of wire insulation	white (isolation black)
Jacket Color	yellow
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	black 1, black 2, green-yellow
Cable weigth	48,4 g/m
Material jacket	PUR
Shore hardness jacket	58 ± 3 Shore D
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	5,2 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PP
Amount wires	3
	3 1,7 mm
Outer diameter insulation	
Outer diameter insulation Outer diameter tolerance core insulation	1,7 mm
Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation	1,7 mm ± 5 %
Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation ngredient freeness wire insulation	1,7 mm ± 5 % 74 ± 3 Shore D
Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Printing color of wire insulation	1,7 mm ± 5 % 74 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Printing color of wire insulation Amount strands (wire)	1,7 mm ± 5 % 74 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free white (isolation black)
Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Printing color of wire insulation Amount strands (wire) Diameter of single wires	1,7 mm ± 5 % 74 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free white (isolation black) 42
Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Printing color of wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire	1,7 mm ± 5 % 74 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free white (isolation black) 42 0,15 mm



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
Flame resistance	UL 1581 § 1100 FT2 IEC 60332-2-2 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
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C horizontal
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min