

M12 male 0° A-cod. / MSUD valve plug BI-11mm

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

MSUD

Form BI (11 mm) - M12, male straight 24 V AC $\pm 20\%$ / DC $\pm 25\%$

LED and suppression

Further cable lengths on request.

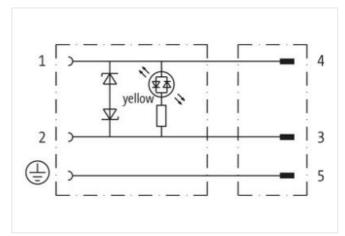
Plastic housings with good resistance against chemicals and oils.

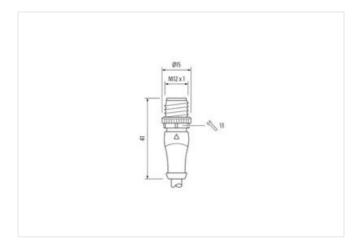
The resistance to aggressive media should be individually tested for your application. Further details on request.

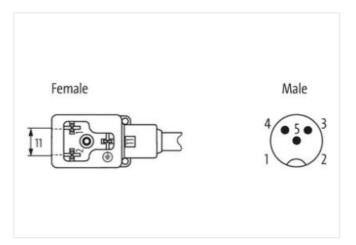
Link to Product

Illustration



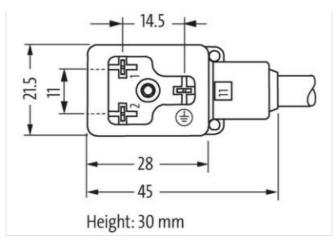








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Product may differ from Image



Side 1 Tightening torque 0.4 Nm Family construction form MSUD Thread M3 No. of poles 3 Degree of protection (EN IEC 60529) IP67 Side 2 Tightening torque 0.6 Nm Family construction form M12 Thread M12 x 1 suitable for corrugated tube (internal 0) 10 mm Coding A No. of poles 3 Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Commercial data ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-9.0 27060312 ECLASS-9.0 27060312 ECLASS-1.1 27060312 ECLASS-11.0 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ECLASS-12.0 ECOMPATE Capacity CX 20 ms Electrical data	Cable length	1,5 m
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Capacity CX 20 ms	Packaging unit	1
	Electrical data	
Electrical data Supply	Capacity CX	20 ms
	Electrical data Supply	



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Operating voltage AC max. 28,8 V Operating voltage DC min. 18 V Operating voltage DC min. 30 V Usuff peak voltage DC max. 30 V Usuff peak voltage DC max. 4 A Usuff peak voltage DC max. 4 A Usuff peak voltage max. 55 V Voltage Description of Peak voltage max. 4 A Device protection IEectrics ************************************	Operating voltage AC	24 V
Operating voltage DC Operating voltage DC min. 18 V Operating voltage DC min. 18 V Operating voltage DC max. 50 V Out off pash voltage max. 55 V Coul off pash voltage max. 4 A Despositios V Status indication LED yellow Desposition V Powter protection Electrical V Additional condition protection degree insented, screwed Pollution Durgnee 3 Read surge voltage 0.8 kV Mechanical data Material data V Coor housing black Mechanical data Mounting data Insented, screwed Environmental characteristics Climation V Operating interperature min. -25 °C Operating temperature min. -25 °C Operating temperature min. -25 °C Additional condition temperature range depending on cable quality Important installation notes Note on stain relief Note on stain relief Protect the connectors by suitable measures from mechanical loads, as, the IP protection class can be endanger adus <	Operating voltage AC min.	19,2 V
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Operating temperature max. 85 °C 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. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) Installation Cable Cable identification 036 Cable Type 3 Printing color of wire insulation white (isolation black) Jacket Cotor yellow Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Cable weight 56,1 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 19 mm PP Amount wires 3 Outer diameter (sheath) ± 5 % Material wire insulation 1,35 mm Outer diameter insulation 1,35 mm Jeachfree, cadmium-free, CFC-free, halogen-free, silicone-free Ingredient freeness wire insulation 1,35 mm Jeachfree, cadmium-free, CFC-free, halogen-free, silicone-free	Environmental characteristics Climatic	
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. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilistecker) Installation Cable Cable identification 036 Cable Type 3 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 weigh 56,1 g/m Material jacket PUR Shore hardness jacket 90.5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 1,85 mm Outer diameter insulation 1,85 mm Outer diameter insulation 1,85 mm Outer diameter rouselation 5,0 shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Operating temperature min.	-25 °C
Inportant installation notes Note on strain relief 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. Conformity Product standard DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilistecker) Installation Cable Cable identification 036 Cable rype 3 Printing color of wire insulation white (isolation black) Jasket Color yellow Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Cable weigh 56,1 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation 1,85 mm Outer diameter insulation 1,85 mm Outer diameter rolerance core insulation 2,0 ± 5 Shore D Ingredient freeness wire insulation 1,25 Shore D	Operating temperature max.	85 °C
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Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) Installation Cable Cable identification 036 Cable if Type 3 Printing color of wire insulation white (isolation black) Jacket Color yellow Type of Certificate cuPrus Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Cable weight 56,1 g/m Material jacket PUR Shore hardness jacket 99 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) ± 5% Material wire insulation PP Amount wires 3 Outer diameter tolerance core insulation 1,85 mm Outer diameter tolerance core insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1,25 force, cadmium-free, CFC-free, halogen-free, silicone-free	Important installation notes	
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Product standard DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) Installation Cable Cable identification 036 Cable Type 3 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 56,1 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,85 mm Outer diameter tolerance core insulation 50 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
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Freedom from ingredients (jacket) Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) 45 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,85 mm Outer diameter tolerance core insulation 25 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Shore hardness jacket	
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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	Amount wires	3
Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Outer diameter insulation	1,85 mm
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Outer diameter tolerance core insulation	±5%
· · · · · · · · · · · · · · · · · · ·	Shore hardness wire insulation	70 ± 5 Shore D
Printing color of wire insulation white (isolation black)	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
	Printing color of wire insulation	white (isolation black)

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: 2024-05-18



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
Traversing distance (C-track)	10 m @ 25 °C horizontal
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 UL 1581 § 1090 IEC 60332-2-2
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