

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

PVC 3x0.75 bk 0.3m

**MSUD** 

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

LED and suppression

Further cable lengths on request.

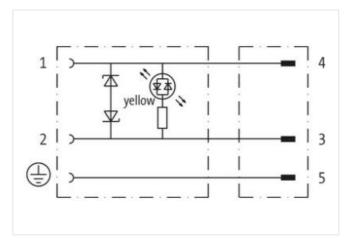
Plastic housings with good resistance against chemicals and oils.

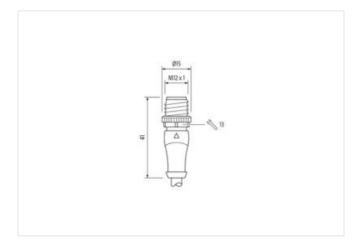
The resistance to aggressive media should be individually tested for your application. Further details on request.

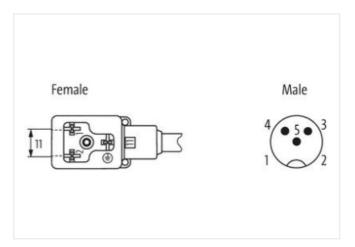
## **Link to Product**

## Illustration



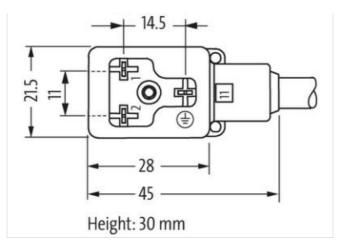








stay connected



Product may differ from Image



0,3 m
0,4 Nm
MSUD
M3
3
IP67
0,6 Nm
M12
M12 x 1
10 mm
A
3
SW13
IP67
27279218
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stay connected

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 min.  Operating voltage DC max.	30 V
Cut-off peak voltage max.	55 V
Current operating per contact max.	4 A
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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
Mechanical data   Material data	
Color housing	black
Material housing	Plastic
Mechanical data   Mounting data	
Mounting method	inserted, screwed
Environmental characteristics   Climatic	11001004, 00101100
	05.00
Operating temperature min.	-25 °C
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.
Note on bending radius	<b>Attention:</b> 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	
wire arrangement	black 1, black 2, green-yellow
Cable identification	616
Cable Type	1
Printing color of wire insulation	white (isolation black)
Jacket Color	black
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	black 1, black 2, green-yellow
Cable weigth	
Material jacket	61,6 g/m
Shore hardness jacket	
Shore hardness jacker	61,6 g/m
Freedom from ingredients (jacket)	61,6 g/m PVC
	61,6 g/m PVC 80 ± 5 Shore A
Freedom from ingredients (jacket)	61,6 g/m  PVC  80 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free
Freedom from ingredients (jacket) Outer-diameter (jacket)	61,6 g/m  PVC  80 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  5,9 mm
Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)	61,6 g/m  PVC  80 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  5,9 mm  ± 5 %
Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation	61,6 g/m PVC 80 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 5,9 mm ± 5 % PVC
Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation  Amount wires	61,6 g/m  PVC  80 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  5,9 mm  ± 5 %  PVC  3
Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation	61,6 g/m  PVC  80 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  5,9 mm  ± 5 %  PVC  3  1,8 mm
Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation  Amount wires  Outer diameter insulation  Outer diameter tolerance core insulation	61,6 g/m  PVC  80 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  5,9 mm  ± 5 %  PVC  3  1,8 mm  ± 5 %

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: 2024-05-22



Printing color of wire insulation	white (isolation black)
Amount strands (wire)	24
Diameter of single wires	0,2 mm
Conductor crosssection (wire)	0,75 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Max. rated voltage (conductor - conductor)	500 V
Max. rated voltage (conductor - ground)	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)	3 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	3 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	70 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	70 °C
UV resistance	DIN EN ISO 4892-2 A
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