

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

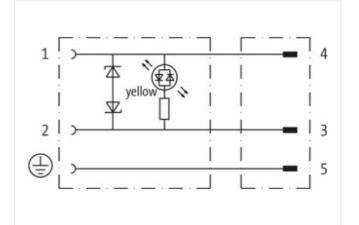
PVC 3x0.75 ye 2m

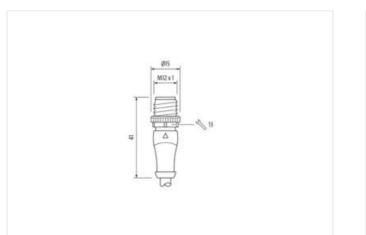
MSUD

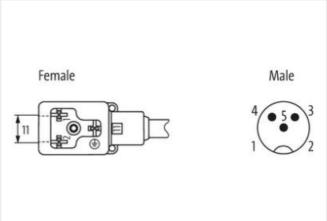
Form BI (11 mm) – M12, male straight 24 V AC ±20% / DC ±25% LED and suppression Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

Link to Product



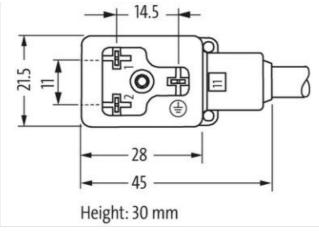






The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-18





Product may differ from Image



Cable length	2 m
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 $Ø$)	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-8.0	27279218
ECLASS-9.0	27060312
ECLASS-10.1	27060312
ECLASS-11.1	27060312
ECLASS-12.0	27060312
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879149365
Packaging unit	1
Electrical data	
Drop-out delay time max.	20 ms
Electrical data Supply	

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



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
Diagnostics	
Status indication LED	yellow
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0.8 kV
	0,0 (14
Mechanical data Material data	
Color housing	black
Material housing	Plastic
Mechanical data Mounting data	
Mounting method	inserted, screwed
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	and a second
	Durte stille som seters hu sväckla messanna form meskanisellande, som hu the users of eskla tion
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.
, and the second s	endangered by excessive bending forces.
Conformity	endangered by excessive bending forces.
-	DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)
Conformity	
Conformity Product standard	
Conformity Product standard Installation Cable	DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)
Conformity Product standard Installation Cable wire arrangement	DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) black 1, black 2, green-yellow
Conformity Product standard Installation Cable wire arrangement Cable identification	DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) black 1, black 2, green-yellow 016
Conformity Product standard Installation Cable wire arrangement Cable identification Cable Type	DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) black 1, black 2, green-yellow 016 1
Conformity Product standard Installation Cable wire arrangement Cable identification Cable Type Printing color of wire insulation	DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) black 1, black 2, green-yellow 016 1 white (isolation black)
Conformity Product standard Installation Cable wire arrangement Cable identification Cable Type Printing color of wire insulation Jacket Color	DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) black 1, black 2, green-yellow 016 1 white (isolation black) yellow
Conformity Product standard Installation Cable wire arrangement Cable identification Cable Type Printing color of wire insulation Jacket Color Amount stranding	DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) black 1, black 2, green-yellow 016 1 white (isolation black) yellow 1
Conformity Product standard Installation Cable wire arrangement Cable identification Cable Type Printing color of wire insulation Jacket Color Amount stranding Stranding	DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) black 1, black 2, green-yellow 016 1 white (isolation black) yellow 1 3 wires twisted
Conformity Product standard Installation Cable wire arrangement Cable identification Cable Type Printing color of wire insulation Jacket Color Amount stranding Stranding wire arrangement	DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) black 1, black 2, green-yellow 016 1 white (isolation black) yellow 1 3 wires twisted black 1, black 2, green-yellow
Conformity Product standard Installation Cable wire arrangement Cable identification Cable identification Cable Type Printing color of wire insulation Jacket Color Amount stranding Stranding wire arrangement Cable weigth	DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) black 1, black 2, green-yellow 016 1 white (isolation black) yellow 1 3 wires twisted black 1, black 2, green-yellow 63,8 g/m
Conformity Product standard Installation Cable wire arrangement Cable identification Cable identification Cable Type Printing color of wire insulation Jacket Color Amount stranding Stranding wire arrangement Cable weigth Material jacket	DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) black 1, black 2, green-yellow 016 1 white (isolation black) yellow 1 3 wires twisted black 1, black 2, green-yellow 63,8 g/m PVC
Conformity Product standard Installation Cable wire arrangement Cable identification Cable identification Cable Type Printing color of wire insulation Jacket Color Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket	DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) black 1, black 2, green-yellow 016 1 white (isolation black) yellow 1 3 wires twisted black 1, black 2, green-yellow 63,8 g/m PVC 80 ± 5 Shore A
Conformity Product standard Installation Cable wire arrangement Cable identification Cable identification Cable Type Printing color of wire insulation Jacket Color Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) black 1, black 2, green-yellow 016 1 white (isolation black) yellow 1 3 wires twisted black 1, black 2, green-yellow 63,8 g/m PVC 80 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free
ConformityProduct standardInstallation Cablewire arrangementCable identificationCable TypePrinting color of wire insulationJacket ColorAmount strandingStrandingwire arrangementCable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)	DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) black 1, black 2, green-yellow 016 1 white (isolation black) yellow 1 3 wires twisted black 1, black 2, green-yellow 63,8 g/m PVC 80 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 5,9 mm
Conformity Product standard Installation Cable wire arrangement Cable identification Cable identification Cable Type Printing color of wire insulation Jacket Color Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) black 1, black 2, green-yellow 016 1 white (isolation black) yellow 1 3 wires twisted black 1, black 2, green-yellow 63,8 g/m PVC 80 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 5,9 mm ± 5 %
Conformity Product standard Installation Cable wire arrangement Cable identification Cable identification Cable Type Printing color of wire insulation Jacket Color Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) black 1, black 2, green-yellow 016 1 white (isolation black) yellow 1 3 wires twisted black 1, black 2, green-yellow 63.8 g/m PVC 80 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 5,9 mm ± 5 % PVC
Conformity Product standard Installation Cable wire arrangement Cable identification Cable identification Cable Type Printing color of wire insulation Jacket Color Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires	DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) black 1, black 2, green-yellow 016 1 white (isolation black) yellow 1 3 wires twisted black 1, black 2, green-yellow 63,8 g/m PVC 80 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 5,9 mm ± 5 % PVC 3
ConformityProduct standardInstallation Cablewire arrangementCable identificationCable TypePrinting color of wire insulationJacket ColorAmount strandingStrandingwire arrangementCable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wiresOuter diameter insulation	DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) black 1, black 2, green-yellow 016 1 white (isolation black) yellow 1 3 wires twisted black 1, black 2, green-yellow 63.8 g/m PVC 80 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 5.9 mm ± 5 % PVC 3 1,8 mm
ConformityProduct standardInstallation Cablewire arrangementCable identificationCable identificationCable TypePrinting color of wire insulationJacket ColorAmount strandingStrandingwire arrangementCable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wiresOuter diameter tolerance core insulationOuter diameter tolerance core insulation	DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) black 1, black 2, green-yellow 016 1 white (isolation black) yellow 1 3 wires twisted black 1, black 2, green-yellow 63,8 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 %
ConformityProduct standardInstallation Cablewire arrangementCable identificationCable IdentificationCable TypePrinting color of wire insulationJacket ColorAmount strandingStrandingwire arrangementCable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wiresOuter diameter tolerance core insulationShore hardness wire insulation	DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) black 1, black 2, green-yellow 016 1 white (isolation black) yellow 1 3 wires twisted black 1, black 2, green-yellow 63,8 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 % 43 ± 5 Shore D

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



Printing color of wire insulation	white (isolation black)
Amount strands (wire)	24
Diameter of single wires	0,2 mm
Conductor crosssection (wire)	0,75 mm ²
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
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

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