

## M12 male 90° A-cod. / MSUD valve plug BI-11mm

PVC 3x0.75 gy 0.6m

**MSUD** 

Form BI (11 mm) – M12, male 90° 24 V AC ±20% / DC ±25%

LED and suppression

Further cable lengths on request.

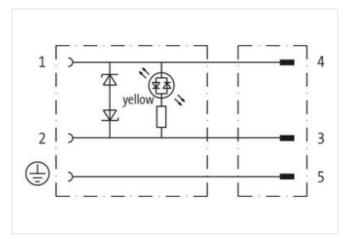
Plastic housings with good resistance against chemicals and oils.

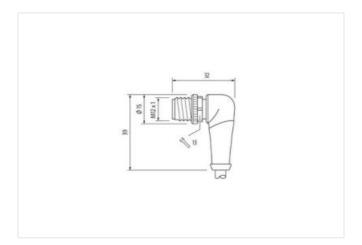
The resistance to aggressive media should be individually tested for your application. Further details on request.

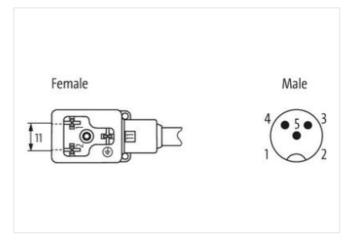
## **Link to Product**

## Illustration



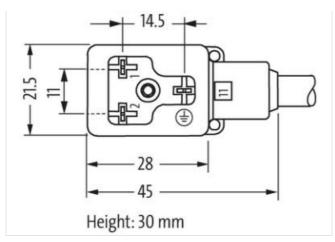








stay connected



Product may differ from Image



Side 1 Tightening torque Family construction form Thread No. of poles Degree of protection (EN IEC 60529) Side 2	0,4 Nm MSUD BI M3 3 IP67
Family construction form Thread No. of poles Degree of protection (EN IEC 60529) Side 2	MSUD BI M3 3
Thread No. of poles Degree of protection (EN IEC 60529) Side 2	M3 3
No. of poles Degree of protection (EN IEC 60529) Side 2	3
Degree of protection (EN IEC 60529)  Side 2	
Side 2	IP67
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	4048879148399
Packaging unit	1
Electrical data	
Capacity CX	20 ms
Electrical data   Supply	



Operating voltage AC 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. 12 mA **Diagnostics** yellow Status indication LED 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 Plastic Material housing Mechanical data | Mounting data Mounting method inserted, screwed Environmental characteristics | Climatic -25 °C Operating temperature min. 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 Note on bending radius endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) Installation | Cable Cable identification 216 Cable Type Printing color of wire insulation white (isolation black) Jacket Color gray Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Cable weigth 63,8 g/m Material jacket PVC Shore hardness jacket 80 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free Freedom from ingredients (jacket) 5,9 mm Outer-diameter (jacket) Tolerance outer diameter (sheath) ±5% Material wire insulation PVC Amount wires 3 Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ±5% Shore hardness wire insulation 43 ± 5 Shore D

Material properties wire insulation

Ingredient freeness wire insulation

good machinability

lead-free, cadmium-free, CFC-free, silicone-free



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 <sup>2</sup>
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	UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
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