

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

PUR 3x0.75 bk UL/CSA 0.3m

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

LED and suppression

Further cable lengths on request.

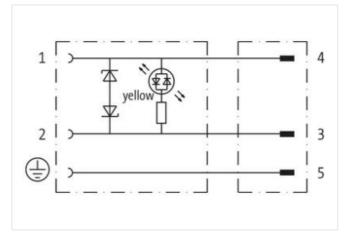
Plastic housings with good resistance against chemicals and oils.

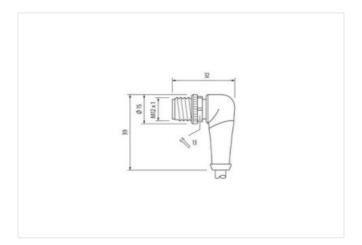
The resistance to aggressive media should be individually tested for your application. Further details on request.

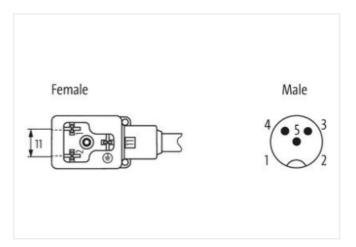
## **Link to Product**

## Illustration



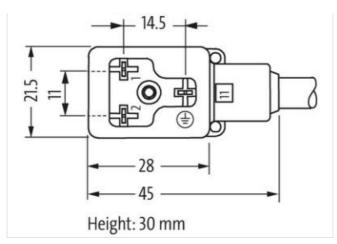








stay connected



Product may differ from Image



Side 1           Tightening torque         0,4 Nm           Family construction form         MSUD BI           Thread         M3           No. of poles         3           Degree of protection (EN IEC 60529)         IP67           Side 2         Tightening torque           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           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060312           ECLASS-11.1         27060312           ECLASS-11.1         27060312
Family construction form   MSUD BI
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-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060312           ECLASS-10.1         27060312
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
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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-7.0 27279218  ECLASS-8.0 27279218  ECLASS-9.0 27060312  ECLASS-9.0 27060312
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-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060312           ECLASS-10.1         27060312
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
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
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ECLASS-6.1       27279218         ECLASS-7.0       27279218         ECLASS-8.0       27279218         ECLASS-9.0       27060312         ECLASS-10.1       27060312
ECLASS-7.0       27279218         ECLASS-8.0       27279218         ECLASS-9.0       27060312         ECLASS-10.1       27060312
ECLASS-8.0 27279218  ECLASS-9.0 27060312  ECLASS-10.1 27060312
ECLASS-9.0 27060312 ECLASS-10.1 27060312
ECLASS-10.1 27060312
ECLASS-11.1 27060312
ECLASS-12.0 27060312
ETIM-5.0 EC001855
customs tariff number 85444290
GTIN 4048879609906
Packaging unit 1
Electrical data
Capacity CX 20 ms
Electrical data   Supply



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 max.	30 V
Cut-off peak voltage max.	55 V
Current operating per contact max.	4 A
Current consumption max.	12 mA
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
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	
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	
Cable identification	626
Cable Type	2
Printing color of wire insulation	white (isolation black)
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	black 1, black 2, green-yellow
Cable weigth	55,33 g/m
Material jacket	PUR
Shore hardness jacket	85 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Outer-diameter (jacket)	5,9 mm
Tolerance outer diameter (sheath)	± 5 %
Material inner jacket	PVC
Material wire insulation	7.10
	PVC
Amount wires	3
Amount wires	3



Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Printing color of wire insulation	white (isolation black)
Amount strands (wire)	42
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,75 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	5 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 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404
Bending radius (fixed)	10 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter
Travel speed (C-track)	2 Mio. @ 25 °C