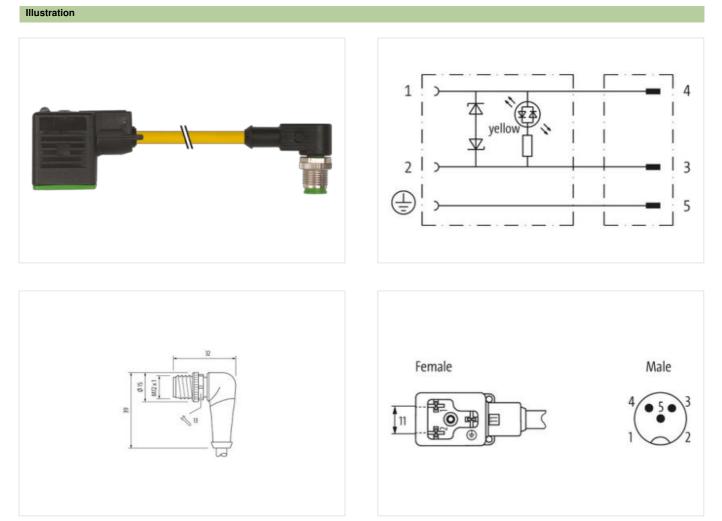


M12 male 90° A-cod. / MSUD valve plug BI-11mm

PUR 3x0.75 ye UL/CSA+drag ch. 0.6m

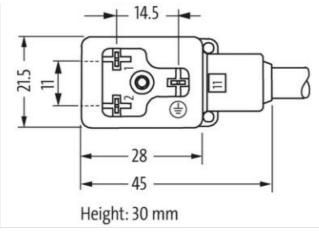
MSUD Form BI (11 mm) – M12, male 90° 24 V AC ±20% / DC ±25% LED and suppression Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

Link to Product



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: 2024-05-07





Product may differ from Image



Cable length	0,6 m
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	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	4048879148429
Packaging unit	1
Electrical data	
Capacity CX	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: 2024-05-07



Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free	Operating voltage AC	24 V
Operating voltage DC 24 V Operating voltage DC max. 80 V Carlot park voltage rowat. 85 V Carlot park voltage rowat. 4 A Carlot park voltage rowat. 4 A Carlot park port per contact max. 12 mA Diagnostic Status indication LED Status indication LED yellow Device porticition (Intercention) 0.8 kV Mechanication Libo Interview 3 Ratid sup voltage 0.8 kV Mechanication Intervieweim Parkie Color housing Mack Macination Intervieweim Parkie Mechanication Intervieweim -25 % Operating intervieweim -25 % Operatinteristichtion o	Operating voltage AC min.	19,2 V
Operating voltage DC mm. 19 V Operating voltage DC max. 30 V Current operating per contact max. 4 A Current operating per contact max. 12 mA Disposition 12 mA Disposition 12 mA Disposition 12 mA Additional condition protection degree inserted, screwed Polusion Degree 3 Read surge voltage DC 0.8 V Mechanical data [Material data 12 mA Color nousing black Material robusing Palsito Mechanical data [Mounting data inserted, screwed Mounting method inserted, screwed Operating temperature min. 25 °C Operating temperature max. 85 °C Additional condition terrestrue range. degreefing on cable guality Importatin insellation notes Attention: Cosene the permissible bending radis when laying cables, as the IP protection class can be advagemed by accessible bending radis when laying cables, as the	Operating voltage AC max.	28,8 V
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Out-off peak voltage max. 56 V Ourrent operating per contact max. 4 A Current operating per contact max. 12 m A Diagocisis Status indication LED yellow Device protection [Electrical Additional contility protection degree 3 Rated surge voltage 0.8 kV Mechanical data [Material data Color housing black Mechanical data [Material data Mechanical data [Material data Fortical data [Material data] Mechanical data [Material data] Color housing black Mechanical data [Material data] Mechanical data [Material data] method mechanical data [Material data] Color housing temperature min. -25 °C -25 °C Oparating temperature mine. -25 °C -26 °C Additional contilion temperature range depending on cable quality Mechanical role addition to temperature range dedepending no cable quality	Operating voltage DC min.	18 V
Current consumption max. 12 mA Diagnostics Status indication LED yellow Device protection Electrical Additional condition protection degree 3 Rate surge voltage 0,6 kV Mechanic condition protection degree 3 Rate surge voltage 0,6 kV Mechanic close (Mechanics) Mechanic close (Mechanics) Mechanic close (Material data Color housing Plastic Mechanic close (Mechanics) Mechanic close (Material data Color housing Plastic Mechanics) Mechanic close (Material data Color housing Plastic Mechanics) Mechanic close (Material data Color housing Plastic Mechanics) Mechanic close (Material data Se °C Colorenting temperature max. 85 °C Operating temperature max. 85 °C Colorenting temperature max. 85 °C Moderatin notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tees. Note on bending radiu Material close 40 bending radii when laying cables, as the IP protection class can be endangerose bending forces. Contronity Materiorio: C	Operating voltage DC max.	30 V
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Diagnostics Selue indication LED yellow Device protection Electrical selue and		4 A
Status indication LED yellow Device protection Electrical Inserted, screwed Additional condition protocolon degree 6 Blates durge voltage 0.8 kV Mechanical data Material data Inserted, screwed Color housing Back Material housing Plastic Mechanical data Mounting deta Inserted, screwed Mounting method Inserted, screwed Mounting method Inserted, screwed Operating temperature min. 25° C Operating temperature max. 85 °C Additional condition temperature ange deporting on cable quality Inserted screwed Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites. Note on barding radius Dink En 610°6-2-101 (M12); DIN EN 157501-803 (Ventiletecker) Institution I Cable UNE No 10°6-2-101 (M12); DIN EN 157501-803 (Ventiletecker) Declarit minutalization 036 Cable Type 3 Printing color of wire insulation whe ligned insulation cable. Color yellow Standing 10 m 28 °C (Instromatal	Current consumption max.	12 mA
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Mechanical data Material data Color housing black Material housing Plastic Mechanical data Mounting data Inserted, screwed Environmental characteristics Climatic Color	Pollution Degree	3
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Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,85 mm Outer diameter tolerance core insulation ± 5 %	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 3 Outer diameter insulation 1,85 mm Outer diameter tolerance core insulation ± 5 %	Outer-diameter (jacket)	5,9 mm
Amount wires3Outer diameter insulation1,85 mmOuter diameter tolerance core insulation± 5 %	Tolerance outer diameter (sheath)	± 5 %
Outer diameter insulation 1,85 mm Outer diameter tolerance core insulation ± 5 %	Material wire insulation	PP
Outer diameter tolerance core insulation ± 5 %	Amount wires	3
	Outer diameter insulation	1,85 mm
Shore hardness wire insulation 70 ± 5 Shore D	Outer diameter tolerance core insulation	±5%
	Shore hardness wire insulation	70 ± 5 Shore D

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Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-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 ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
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

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