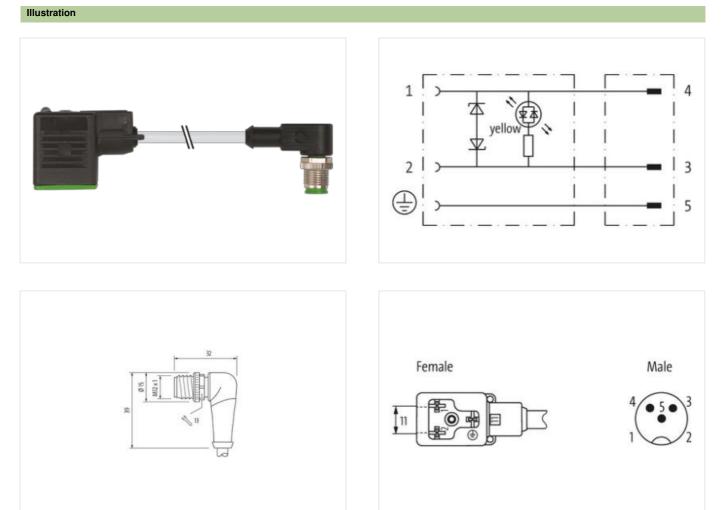


M12 male 90° A-cod. / MSUD valve plug BI-11mm

PUR 3x0.75 gy UL/CSA+drag ch. 1.5m

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	1,5 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	4048879148276
Packaging unit	1
Electrical data	
Capacity CX	20 ms
Electrical data Supply	

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Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Operating voltage AC	24 V
Operating voltage DC 24 V Operating voltage DC min. 18 V Operating voltage DC min. 30 V Cal-of tpek voltage max. 50 V Carrent operating voltage now. 12 nA Degenset operation operating voltage processed max. 4 A Current operating processing processed max. 12 nA Device protection L Electrical Additional condition protection degree Additional condition protection degree 3 Rate straps voltage 0.8 kV Mechanical distaj Material das Electrical Color housing Paste Mechanical distaj Mounting des Inserted, screwed Environmental characteristics Climatic Operating voltage des des des des des des des des des de	Operating voltage AC min.	19,2 V
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Operating veitage DC max. 30 Y Cared peak veitage reads: 55 V Current operating per contact max. 12 mA Diagnostice Status indication LED Status indication LED yellow Device protection Electrical Additional condition protection degree Operating veitage contage 3 Rated suge contage 0.8 kV Mechanical data Material Addition 0.8 kV Mechanical data Material Addition Material Provide Material Addition Material Provide Material Addition Parates Material Provide Material Addition Parates Environmental characteristics Climatic Poratege provide Material Addition Operating temperature min. -25 °C Out of than inferition Material box on than inferition Material box on than inferition -2	Operating voltage DC	24 V
Out-of peak voltage max. 55 V Ournent operating per contact max. 4 A Current operating per contact max. 12 m A Diagostics Status indication LED Diagostics yellow Device protection [Electrical Maximum Contact max. Additional condition protection degree inserted, screwed Pollution Degree 3 a Ratids surge voltage 0.8 kV Machanical data [Material data Color housing Material rocating Back Material rocating Pastic Machanical data [Material data Formating temperature max. Operating temperature max. 25 °C Additional contificiton temperature marge depending on cable quality Intervision statin relief Potect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites. Nate on strain relief DIN EN 61076-2-101 (M12); DIN EN 17503-020 (Ventilatescker) Instation (Cable dandard) DIN EN 61076-2-101 (M12); DIN EN 17503-020	Operating voltage DC min.	18 V
Current consumption max. 12 mA Diagnostics Status indication LED yellow Davice protection Electrical Additional condition protection degree 3 Rater surge voltage 0.8 kV Mechanic data Mechanic data Mechanic data Mechanic data Mechanic data Mechanic data Color housing black Mechanic data Mechanic data Mechanic data Mechanic data Mechani data Mechanic data	Operating voltage DC max.	30 V
Current consumption max. 12 mA Diagnostics Status indication LED yellow Davice protection Electrical Additional condition protection degree 3 Rater surge voltage 0.8 kV Mechanic data Mechanic data Mechanic data Mechanic data Mechanic data Mechanic data Color housing black Mechanic data Mechanic data Mechanic data Mechanic data Mechani data Mechanic data		55 V
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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 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404 Good, application-related testing
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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