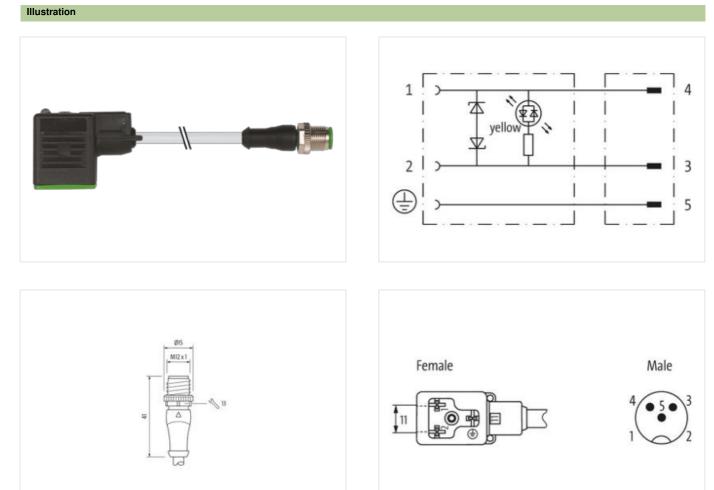


M12 male 0° A-cod. / MSUD valve plug BI-11mm

PUR 3x0.75 gy UL/CSA 4m

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.

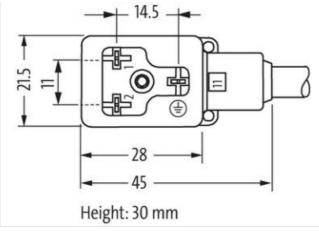
Link to Product



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Product may differ from Image



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Cable length	4 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 \emptyset)	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	4048879488983
Packaging unit	1
Electrical data	
Drop-out delay time max.	20 ms
Electrical data Supply	

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Operating voltage AC min. 19.2 V Operating voltage AC max. 28.8 V Operating voltage DC max. 39 V Carveting voltage DC max. 39 V Carveting voltage DC max. 39 V Carveting voltage DC max. 55 V Carveting voltage DC max. 55 V Carveting voltage DC max. 55 V Carveting voltage Tomax. 55 V Carveting voltage Tomax. 56 V Device protection Electrical A Additional constion protection degree inserted, screwed Polution Degree 3 Rate stage voltage 0.8 kV Mechanical data [Material data Material housing Mechanical data [Mounting data Material housing Mounting motion inserted, screwed Operating voltage AC max. 65 °C Operating voltage Ac max.	Operating voltage AC	24 V
Operating voltage DC 94 V Operating voltage DC max. 30 V Cut of peak voltage max. 55 V Current operating per contact max. 4 A Diagnotifies Status indication LED Vertifies voltage max. 50 V Additional condition protection degree inserted, screwed Pollution Degree 3 Rates surge voltage 0.8 kV Mechanical data Material data Color housing Material housing Plastic Mounting method inserted, screwed Environmental characteristics Climatic Coperating voltage Operating voltage temperature min. -25 °C Operating temperature min. -25 °C Operating temperature min. -25 °C Operating radius Attention: Coscerve the permissible bonding radii when laying cables, as the IP protection class can be endingered by screesere bending forces. Nole on brain radied Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites. Nole on brain radied DIN EN 61076-2-101 (M12); DIN EN 175801-803 (Ventiletecker) Installation focbe UP optication class can be ending racliw when layi	Operating voltage AC min.	19,2 V
Operating voltage DC min. 18 V Operating voltage DC max. 30 V Cut oft pask voltage max. 55 V Current operating per contact max. 4 A Disposite Status indication LED Status indication LED yellow Device protection [Electrical Addition protection degree Addition protection degree 3 Rated surge voltage 0.8 kV Mechanical data Material data Color housing Material housing Plastic Mechanical data Material data Color housing Operating removes 3 Textoremental characteristics Climatic Color housing Operating impersature min. 25 °C Operating impersature max. 85 °C Addition contein imperature max. 85 °C Operating impersature max. 85 °C Addition roles Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies. Attention: Observe the permissible bending radii when laying cables, as the IP protection	Operating voltage AC max.	28,8 V
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Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC	Cable weigth	55,33 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC	Material jacket	PUR
Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material inner jacket PVC		5,9 mm
	Tolerance outer diameter (sheath)	±5%
Material wire insulation PVC	Material inner jacket	
	Material wire insulation	PVC
Amount wires 3	Amount wires	3
Outer diameter insulation 1,8 mm	Outer diameter insulation	1,8 mm
Outer diameter tolerance core insulation ± 5 %	Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation 43 ± 5 Shore D	Shore hardness wire insulation	43 ± 5 Shore D
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free

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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 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	0° 08
Operating temperature min. (dynamic)	-5 ℃
Operating temperature max. (dynamic)	0° 08
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	IEC 60332-2-2 UL 1581 § 1090 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)	10 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter
No. of bending cycles (C-track)	2 Mio. @ 25 °C
Travel speed (C-track)	3,3 m/s

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