

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

PVC 3x0.75 ye 0.3m

MSUD

Form BI (11 mm) - M12, male 90° 24 V AC \pm 20% / DC \pm 25%

LED and suppression

Further cable lengths on request.

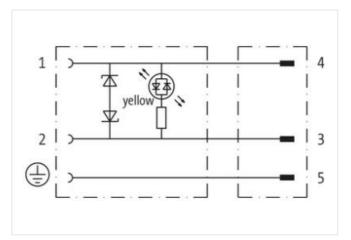
Plastic housings with good resistance against chemicals and oils.

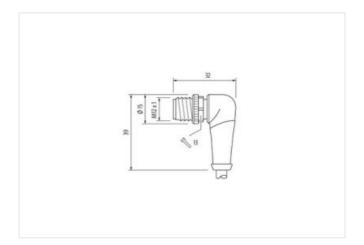
The resistance to aggressive media should be individually tested for your application. Further details on request.

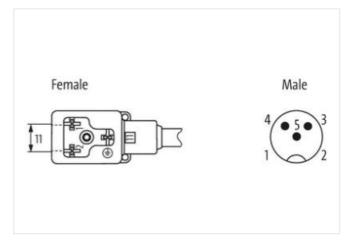
Link to Product

Illustration











stay connected



Product may differ from Image



Cable length	0,3 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 \emptyset)	10 mm
Coding	A
No. of poles	3
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67
A 1111	
Commercial data	
ECLASS-6.0	27279218
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ECLASS-6.0	
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ECLASS-6.0 ECLASS-6.1 ECLASS-7.0 ECLASS-8.0 ECLASS-9.0 ECLASS-10.1 ECLASS-11.1 ECLASS-12.0 ETIM-5.0 customs tariff number GTIN Packaging unit	27279218 27279218 27260312 27060312 27060312 27060312 EC001855 85444290 4048879148467



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Operating voltage AC min. 19.2 Y Operating voltage AC min. 28.8 V Operating voltage AC min. 18 V Operating voltage AC min. 18 V Operating voltage DC min. 30 V Current operating voltage DC min. 30 V Current operating per content max. 4 A Current operating per content max. 12 mA Disposition Status indication LED voltow Device protection Electrical Additional condition protection degree 3 Palast sup voltage No. Water In Journal of Market Indicate Indicated Ind	Operating voltage AC	24 V
Spearing voltage AC max. 28.8 V	Operating voltage AC min.	19,2 V
Operating voltage DC min 24 V Operating voltage DC max 38 V Out-of peak voltage DC max 55 V Current operating per contact max 4 A Device protection Electrical Additional condition protection degree Additional condition protection degree 3 Reted any evoltage 0,8 kV Machinal housing Plastice Mechanical data Mounting data Inserted, screwed Environmental characteristics Climate Very Control operating preparature min. Operating preparature min. 25 °C Operating preparature min. 45 °C Operating temperature min. 45 °C Operating temperat		· · · · · · · · · · · · · · · · · · ·
Operating voltage DC min. 18 Y Operating voltage DC max. 30 Y Curred operating per contact max. 4 A Curred operating per contact max. 12 mA Diagnostics Status indication LED yellow Device protection [Electrical Device protection flectroid Additional curdition protection degree inserted, screwed Pollution Degree 3 Raded surge voltage 0,8 kV Mechanical data [Material data] Pasic Color housing black Material housing Pasic Mechanical data [Muntling data] Inserted, screwed Environmental characteristics Climatic Color housing Operating temperature max. 85 °C Operating temperature max. 85 °C Additional condition temperature range. depending on cable quality Important Installation notes Attention: Clearney the permissible bounding radii when laying cables, as the IP protection class can be endangered by excessive bending fraction. Note on bending radiis DIN EN 61076 2-101 (M12); DIN EN 175301-803 (ventilatecker) Installation [Cable Cable installation [Cable		24 V
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wire arrangement black 1, black 2, green-yellow Cable weigth 63,8 g/m Material jacket PVC Shore hardness jacket 80 ± 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 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 good machinability	Stranding	3 wires twisted
Cable weigth 63,8 g/m Material jacket PVC Shore hardness jacket 80 ± 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 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 good machinability		
Material jacket PVC Shore hardness jacket 80 ± 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 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 good machinability	-	
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Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5,9 mm 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 good machinability		80 ± 5 Shore A
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 good machinability	·	lead-free, cadmium-free, CFC-free, silicone-free
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 good machinability	Outer-diameter (jacket)	5,9 mm
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 good machinability	Tolerance outer diameter (sheath)	± 5 %
Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability	Material wire insulation	PVC
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability	Amount wires	3
Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability	Outer diameter insulation	1,8 mm
Material properties wire insulation good machinability	Outer diameter tolerance core insulation	± 5 %
<u> </u>	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



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 ²
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	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
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