

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

PUR 3x0.75 gy UL/CSA 1.5m

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

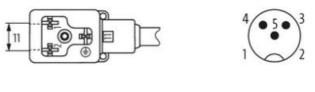


Male

4

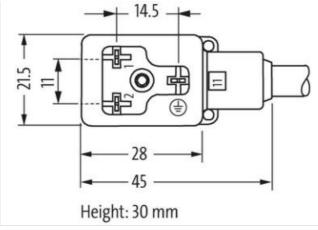
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Product may differ from Image



Cable length	1,5 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 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	4048879149112
Packaging unit	1
Electrical data	
Capacity CX	20 ms
Electrical data   Supply	

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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
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 NV
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	Attention: 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	000
	226
Cable Type	2
Cable Type Jacket Color	gray
Cable Type Jacket Color Type of Certificate	gray cURus
Cable Type Jacket Color Type of Certificate Amount stranding	gray cURus 1
Cable Type Jacket Color Type of Certificate Amount stranding Stranding	gray cURus 1 3 wires twisted
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement	gray cURus 1 3 wires twisted black 1, black 2, green-yellow
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth	gray cURus 1 3 wires twisted black 1, black 2, green-yellow 55,33 g/m
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket	gray cURus 1 3 wires twisted black 1, black 2, green-yellow 55,33 g/m PUR
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket	gray cURus 1 3 wires twisted black 1, black 2, green-yellow 55,33 g/m PUR 85 ± 5 Shore A
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	gray   cURus   1   3 wires twisted   black 1, black 2, green-yellow   55,33 g/m   PUR   85 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	gray   cURus   1   3 wires twisted   black 1, black 2, green-yellow   55,33 g/m   PUR   85 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   5,9 mm
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	gray   cURus   1   3 wires twisted   black 1, black 2, green-yellow   55,33 g/m   PUR   85 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   5,9 mm   ± 5 %
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket	gray   cURus   1   3 wires twisted   black 1, black 2, green-yellow   55,33 g/m   PUR   85 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   5,9 mm   ± 5 %   PVC
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket Material wire insulation	gray   cURus   1   3 wires twisted   black 1, black 2, green-yellow   55,33 g/m   PUR   85 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free   5,9 mm   ± 5 %   PVC   PVC   PVC
Cable Type Jacket Color Type of Certificate Amount stranding Stranding Wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket Material wire insulation Amount wires	gray   cURus   1   3 wires twisted   black 1, black 2, green-yellow   55,33 g/m   PUR   85 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   5,9 mm   ± 5 %   PVC   PVC   3
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket Material wire insulation Amount wires Outer diameter insulation	gray   cURus   1   3 wires twisted   black 1, black 2, green-yellow   55,33 g/m   PUR   85 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   5,9 mm   ± 5 %   PVC   PVC   3   1,8 mm
Cable Type Jacket Color Type of Certificate Amount stranding Stranding Wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket Material wire insulation Amount wires	gray   cURus   1   3 wires twisted   black 1, black 2, green-yellow   55,33 g/m   PUR   85 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   5,9 mm   ± 5 %   PVC   3   1,8 mm   ± 5 %
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation	gray     cURus     1     3 wires twisted     black 1, black 2, green-yellow     55,33 g/m     PUR     85 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     5,9 mm     ± 5 %     PVC     PVC     9VC     3     1,8 mm     ± 5 %     43 ± 5 Shore D
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation	gray   cURus   1   3 wires twisted   black 1, black 2, green-yellow   55,33 g/m   PUR   85 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   5,9 mm   ± 5 %   PVC   3   1,8 mm   ± 5 %

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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
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° C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
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
Travel speed (C-track)	2 Mio. @ 25 °C

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