

M12 male 90° A-cod. / MSUD valve plug B-10mm

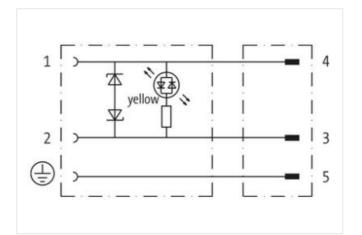
PUR 3x0.75 bk UL/CSA+drag ch. 2m

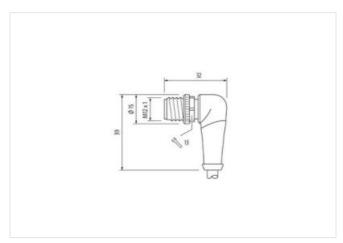
Form B (10 mm) – M12, male 90° 24 V AC ±20% / DC ±25% LED and suppression Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

Link to Product









Product may differ from Image



Cable length	2 m	
Side 1		
Tightening torque	0,4 Nm	

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Thread	МЗ
Degree of protection (EN IEC 60529)	IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Thread	M12 x 1
Degree of protection (EN IEC 60529)	IP66K, 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	4048879416474
Packaging unit	1
Electrical data	
Capacity CX	20 ms
Electrical data Supply	
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
Current consumption max.	12 mA
Diagnostics	
Status indication LED	yellow
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Rated surge voltage	0,8 kV
Mechanical data Material data	
Color housing	black
Material housing	Plastic
Mechanical data Mounting data	
Mounting method	inserted, screwed
Environmental characteristics Climatic	
	25 %
Operating temperature min.	-25 °C 85 °C
Operating temperature max. 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.
Installation Cable	

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Cable identification	636
Cable Type	3
Printing color of wire insulation	white (isolation black)
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	black 1, black 2, green-yellow
Cable weigth	56,1 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 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 wire insulation	PP
Amount wires	3
Outer diameter insulation	1,85 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	70 ± 5 Shore D
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
Traversing distance (C-track)	10 m @ 25 °C horizontal
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
Min. operating temperature (static) Max. operating temperature (fixed)	-40 °C 80 °C / 90 °C @ 10000 h Operation
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Max. operating temperature (fixed) Operating temperature min. (dynamic)	80 °C / 90 °C @ 10000 h Operation -25 °C
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation -25 °C 80 °C / 90 °C @ 10000 h Operation
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance	80 °C / 90 °C @ 10000 h Operation -25 °C 80 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance Flame resistance	80 °C / 90 °C @ 10000 h Operation -25 °C 80 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance Flame resistance chemical resistance	80 °C / 90 °C @ 10000 h Operation -25 °C 80 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Good, application-related testing
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance Flame resistance chemical resistance Gasoline resistance	80 °C / 90 °C @ 10000 h Operation -25 °C 80 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Good, application-related testing Good, application-related testing
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance Flame resistance chemical resistance Gasoline resistance Oil resistance	80 °C / 90 °C @ 10000 h Operation -25 °C 80 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Good, application-related testing Good, application-related testing Good, application-related testing Good, application-related testing
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance Flame resistance chemical resistance Gasoline resistance Oil resistance Bending radius (fixed)	80 °C / 90 °C @ 10000 h Operation -25 °C 80 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Good, application-related testing Good, application-related testing Good, application-related testing DIN EN 60811-404 5 x Outer diameter
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance Flame resistance chemical resistance Gasoline resistance Oil resistance Bending radius (fixed) Bending radius (dynamic) Travel speed (C-track)	80 °C / 90 °C @ 10000 h Operation -25 °C 80 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Good, application-related testing Good, application-related testing Good, application-related testing Good, application-related testing IDIN EN 60811-404 5 x Outer diameter 10 x Outer diameter
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance Flame resistance chemical resistance Gasoline resistance Oil resistance Bending radius (fixed) Bending radius (dynamic)	80 °C / 90 °C @ 10000 h Operation -25 °C 80 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Good, application-related testing Good, application-related testing Good, application-related testing DIN EN 60811-404 5 x Outer diameter 10 x Outer diameter 10 Mio. @ 25 °C
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance Flame resistance chemical resistance Gasoline resistance Oil resistance Bending radius (fixed) Bending radius (dynamic) Travel speed (C-track) No. of torsion cycles	80 °C / 90 °C @ 10000 h Operation -25 °C 80 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Good, application-related testing Good, application-related testing Good, application-related testing 10 X Outer diameter 10 Mio. @ 25 °C 2 Mio.

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