

## M12 male 0° A-cod. / MSUD valve plug B-10mm

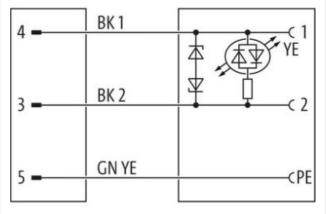
PUR 3x0.75 bk UL/CSA+robot+drag ch. 0.6m

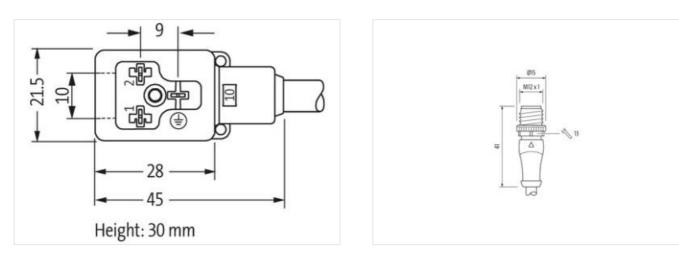
Form B (10 mm) – M12, male straight 24 V AC ±20% / DC ±25% LED and suppression Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

## Link to Product



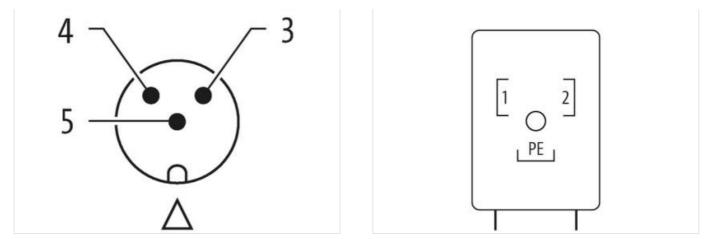






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Product may differ from Image



Cable length	0,6 m
Side 1	
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
Side 2	
Tightening torque	0,4 Nm
Family construction form	MSUD B
Thread	M3
No. of poles	3
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	4048879416610
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
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	
Additional suppressor	Z-Diode
	Z-Diode
Mechanical data   Material data	
Coating locking	Nickeled
Locking screw coating	verzinkt
Color housing	black
Material housing	Plastic
Locking material	Zinc die-casting
Mechanical data   Mounting data	
Mounting method	inserted, screwed
Environmental characteristics   Climatic	
Operating temperature min.	-25 °C
	20 0
Operating temperature max.	85 °C
Operating temperature max.	85 °C
Operating temperature max. Additional condition temperature range	85 °C
Operating temperature max. Additional condition temperature range Important installation notes	85 °C depending on cable quality
Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief	85 °C depending on cable quality Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
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Operating temperature max.   Additional condition temperature range   Important installation notes   Note on strain relief   Note on bending radius   Conformity   Product standard   Installation   Cable   Cable identification   Cable Type   Jacket Color   Type of Certificate   Amount stranding   Stranding	85 °C   depending on cable quality   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.   DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD)   656   5   black   cURus   1   3 wires twisted
Operating temperature max.   Additional condition temperature range   Important installation notes   Note on strain relief   Note on bending radius   Conformity   Product standard   Installation   Cable   Cable identification   Cable Type   Jacket Color   Type of Certificate   Amount stranding   Stranding   wire arrangement	85 °C   depending on cable quality   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.   DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD)   656   5   black   cURus   1   3 wires twisted   black 2, green-yellow
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Operating temperature max.   Additional condition temperature range   Important installation notes   Note on strain relief   Note on bending radius   Conformity   Product standard   Installation   Cable   Cable identification   Cable Type   Jacket Color   Type of Certificate   Amount stranding   Stranding   wire arrangement   Cable weigth   Material jacket   Shore hardness jacket	85 °C   depending on cable quality   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.   DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD)   656   5   black   cURus   1   3 wires twisted   black 1, black 2, green-yellow   48,4 g/m   PUR   58 ± 3 Shore D
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Operating temperature max.   Additional condition temperature range   Important installation notes   Note on strain relief   Note on bending radius   Conformity   Product standard   Installation   Cable   Cable identification   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)	85 °C   depending on cable quality   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.   DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD)   656   5   black   cURus   1   3 wires twisted   black 1, black 2, green-yellow   48,4 g/m   PUR   58 ± 3 Shore D   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   5,2 mm   ± 5 %
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Operating temperature max.   Additional condition temperature range   Important installation notes   Note on strain relief   Note on bending radius   Conformity   Product standard   Installation   Cable   Cable identification   Cable identification   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 wire insulation   Amount wires	85 °C   depending on cable quality   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.   DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD)   656   5   black   cURus   1   3 wires twisted   black 1, black 2, green-yellow   48,4 g/m   PUR   58 ± 3 Shore D   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   5,2 mm   ± 5 %   PP

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Shore hardness wire insulation	74 ± 3 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	42
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
Traversing distance (C-track)	5 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
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
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
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
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min

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