

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

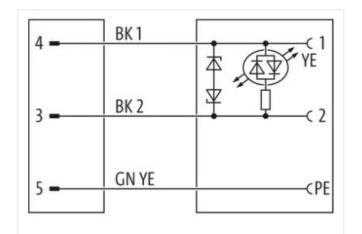
PUR 3x0.75 ye UL/CSA+robot+drag ch. 0.6m

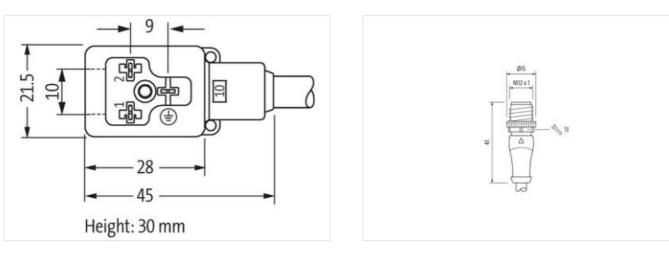
Form B (10 mm) – M12, male straight 24 V AC ±20% / DC ±25% LED and suppression Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

Link to Product



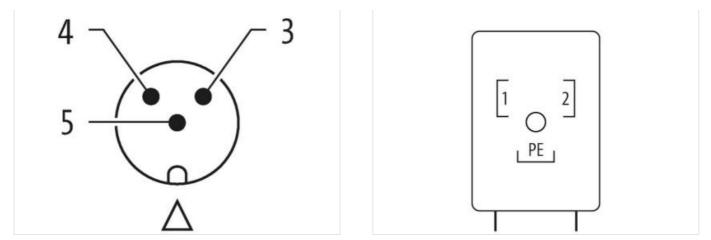






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Product may differ from Image



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 M3 ECLASS-6.0 27279218 ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060312 ECLASS-1.1 27060312 ECLASS-1.1 27060312 ECLASS-1.2.0 27060312 ECLASS-1.0 27060312 ECLASS-1.0 27060312 ECLASS-1.0 27060312 ETIM-5.0 EC001855 customs tariff number 85444290	Cable length	0,6 m	
Family construction form M12 Thread M12 x 1 suitable for corrugated tube (internal 0) 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 Side 2 Thread MSUD B Thread M3 No. of poles 3 Degree of protection (EN IEC 60529) IP67 Commercial data 27279218 ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-10.1 27060312 ECLASS-10.1 27060312 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 E	Side 1		
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customs tariff number 85444290 GTIN 4048879416665 Packaging unit 1 Electrical data Drop-out delay time max. 20 ms	ECLASS-12.0	27060312	
GTIN 4048879416665 Packaging unit 1 Electrical data 20 ms	ETIM-5.0		
Packaging unit 1 Electrical data Drop-out delay time max. 20 ms			
Electrical data Drop-out delay time max. 20 ms	GTIN	4048879416665	
Drop-out delay time max. 20 ms	Packaging unit	1	
	Electrical data		
Electrical data Supply	Drop-out delay time max.	20 ms	
	Electrical data Supply		

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-20



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
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
Operating temperature max.	25 ℃
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.
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Conformity	endangered by excessive bending forces.
	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)
Conformity Product standard Installation Cable	endangered by excessive bending forces. DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD)
Conformity Product standard Installation Cable wire arrangement	endangered by excessive bending forces. DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) black 1, black 2, green-yellow
Conformity Product standard Installation Cable wire arrangement Cable identification	endangered by excessive bending forces. DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) black 1, black 2, green-yellow 056
Conformity Product standard Installation Cable wire arrangement Cable identification Cable Type	endangered by excessive bending forces. DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) black 1, black 2, green-yellow 056 5
Conformity Product standard Installation Cable wire arrangement Cable identification Cable Type Printing color of wire insulation	endangered by excessive bending forces. DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) black 1, black 2, green-yellow 056 5 white (isolation black)
Conformity Product standard Installation Cable wire arrangement Cable identification Cable Type Printing color of wire insulation Jacket Color	endangered by excessive bending forces. DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) black 1, black 2, green-yellow 056 5 white (isolation black) yellow
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ConformityProduct standardInstallation Cablewire arrangementCable identificationCable TypePrinting color of wire insulationJacket ColorType of CertificateAmount strandingStrandingwire arrangementCable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)	endangered by excessive bending forces. DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) black 1, black 2, green-yellow 056 5 white (isolation black) yellow 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
ConformityProduct standardInstallation Cablewire arrangementCable identificationCable TypePrinting color of wire insulationJacket ColorType of CertificateAmount strandingStrandingwire arrangementCable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)	endangered by excessive bending forces. DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) black 1, black 2, green-yellow 056 5 white (isolation black) yellow 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

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Outer diameter insulation	1,7 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	74 ± 3 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
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
Flame resistance	UL 1581 § 1100 FT2 IEC 60332-2-2 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
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C horizontal
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min

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