

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

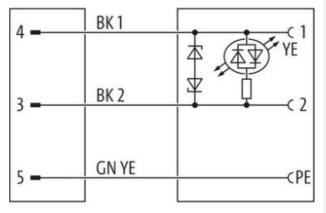
PUR 3x0.75 bk UL/CSA+drag ch. 4.5m

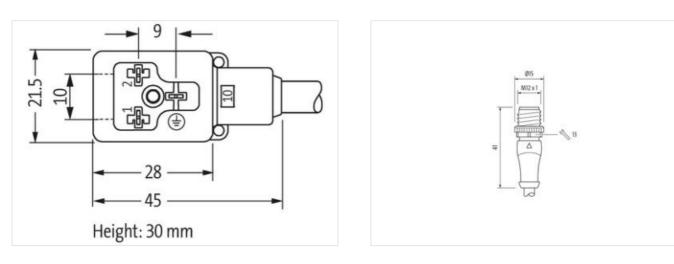
Form B (10 mm) – M12, male straight 24 V AC ±20% / DC ±25% LED and suppression Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

## Link to Product





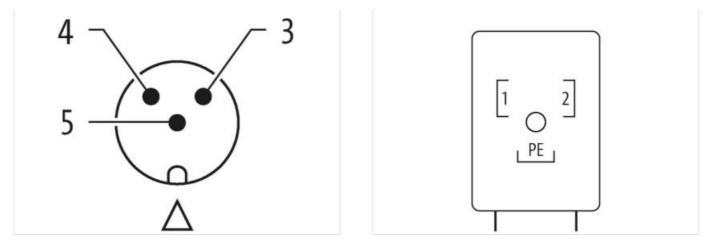




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Product may differ from Image



Cable length	4,5 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	4048879369770
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
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 °C
Additional condition temperature range	depending on cable quality
Conformity	
Product standard	
	DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD)
Installation   Cable	DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD)
	DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) 636
Installation   Cable	
Installation   Cable Cable identification	636
Installation   Cable Cable identification Cable Type	636 3
Installation   Cable Cable identification Cable Type Printing color of wire insulation	636 3 white (isolation black)
Installation   Cable Cable identification Cable Type Printing color of wire insulation Jacket Color	636 3 white (isolation black) black
Installation   Cable   Cable identification   Cable Type   Printing color of wire insulation   Jacket Color   Type of Certificate	636 3 white (isolation black) black cURus
Installation   Cable   Cable identification   Cable Type   Printing color of wire insulation   Jacket Color   Type of Certificate   Amount stranding   Stranding   wire arrangement	636 3 white (isolation black) black cURus 1 3 wires twisted black 2, green-yellow
Installation   Cable   Cable identification   Cable Type   Printing color of wire insulation   Jacket Color   Type of Certificate   Amount stranding   Stranding	636 3 white (Isolation black) black cURus 1 3 wires twisted
Installation   Cable   Cable identification   Cable Type   Printing color of wire insulation   Jacket Color   Type of Certificate   Amount stranding   Stranding   wire arrangement	636 3 white (isolation black) black cURus 1 3 wires twisted black 2, green-yellow
Installation   CableCable identificationCable TypePrinting color of wire insulationJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacket	636 3 white (isolation black) black cURus 1 3 wires twisted black 1, black 2, green-yellow 10 Mio. @ 25 °C
Installation   Cable   Cable identification   Cable Type   Printing color of wire insulation   Jacket Color   Type of Certificate   Amount stranding   Stranding   wire arrangement   No. of bending cycles (C-track)   Cable weigth	636 3 white (isolation black) black cURus 1 3 wires twisted black 1, black 2, green-yellow 10 Mio. @ 25 °C 56,1 g/m
Installation   CableCable identificationCable TypePrinting color of wire insulationJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacket	636 3 white (isolation black) black cURus 1 3 wires twisted black 1, black 2, green-yellow 10 Mio. @ 25 °C 56,1 g/m PUR
Installation   Cable   Cable identification   Cable Type   Printing color of wire insulation   Jacket Color   Type of Certificate   Amount stranding   Stranding   wire arrangement   No. of bending cycles (C-track)   Cable weigth   Material jacket   Shore hardness jacket   Freedom from ingredients (jacket)   Outer-diameter (jacket)	636   3   white (isolation black)   black   cURus   1   3 wires twisted   black 1, black 2, green-yellow   10 Mio. @ 25 °C   56,1 g/m   PUR   90 ± 5 Shore A
Installation   CableCable identificationCable TypePrinting color of wire insulationJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)	636   3   white (isolation black)   black   cURus   1   3 wires twisted   black 1, black 2, green-yellow   10 Mio. @ 25 °C   56,1 g/m   PUR   90 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Installation   Cable   Cable identification   Cable Type   Printing color of wire insulation   Jacket Color   Type of Certificate   Amount stranding   Stranding   wire arrangement   No. of bending cycles (C-track)   Cable weigth   Material jacket   Shore hardness jacket   Freedom from ingredients (jacket)   Outer-diameter (jacket)	636   3   white (isolation black)   black   cURus   1   3 wires twisted   black 1, black 2, green-yellow   10 Mio. @ 25 °C   56,1 g/m   PUR   90 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   5,9 mm
Installation   CableCable identificationCable TypePrinting color of wire insulationJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)	636   3   white (isolation black)   black   cURus   1   3 wires twisted   black 1, black 2, green-yellow   10 Mio. @ 25 °C   56,1 g/m   PUR   90 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free   5,9 mm   ± 5 %
Installation   CableCable identificationCable TypePrinting color of wire insulationJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulation	636   3   white (isolation black)   black   cURus   1   3 wires twisted   black 1, black 2, green-yellow   10 Mio. @ 25 °C   56,1 g/m   PUR   90 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free   5,9 mm   ± 5 %   PP
Installation   CableCable identificationCable TypePrinting color of wire insulationJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wires	636   3   white (isolation black)   black   cURus   1   3 wires twisted   black 1, black 2, green-yellow   10 Mio. @ 25 °C   56,1 g/m   PUR   90 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   5,9 mm   ± 5 %   PP   3
Installation   CableCable identificationCable TypePrinting color of wire insulationJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wiresOuter diameter insulation	636   3   white (isolation black)   black   cURus   1   3 wires twisted   black 1, black 2, green-yellow   10 Mio. @ 25 °C   56,1 g/m   PUR   90 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   5,9 mm   ± 5 %   PP   3   1,85 mm
Installation   CableCable identificationCable TypePrinting color of wire insulationJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wiresOuter diameter tolerance core insulation	636   3   white (isolation black)   black   cURus   1   3 wires twisted   black 1, black 2, green-yellow   10 Mio. @ 25 °C   56,1 g/m   PUR   90 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   5,9 mm   ± 5 %   PP   3   1,85 mm   ± 5 %

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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 <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	10 m @ 25 °C   horizontal
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
Nominal voltage power AC max.	300 V
Power frequency withstand voltage power (wire - jacket)	2,5 kV @ 60 s
AC withstand voltage power (wire - wire)	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	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
No. of torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 180 °/m

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