

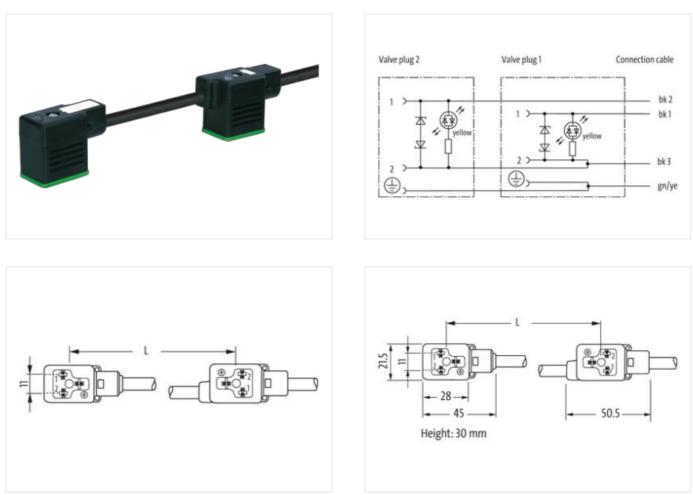
## MSUD double valve BI-11mm with cable

PUR 4x0.75 bk UL/CSA+drag ch. 7.5m

Form BI (11 mm) 24 V AC ±20% / DC ±25% LED and suppression Connection cable L = 150 mm 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

Illustration



Product may differ from Image



Cable length	7,5 m	
Side 1		
Tightening torque	0,4 Nm	

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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   24 V     Operating voltage DC max.   30 V     Cut-off peak voltage max.   30 V     Cut-off peak voltage max.   55 V     Current operating per contact max.   4 A     Current consumption max.   12 mA     Diagnostics   V     Status indication LED   yellow     Degree of protection   Electrical   V     Degree of protection degree   inserted, screwed     Rated surge voltage   0,8 kV     Mechanical data   Material data   Plastic     Color housing   black     Material housing   Plastic	Thread	M3
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Thread     M3       Commercial data     E       Constrained and Section (Constrained An	Tightening torque	0.4 Nm
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Operating voltage AC     24 V       Operating voltage AC man.     19.2 V       Operating voltage AC man.     28.8 V       Operating voltage AC man.     24.V       Operating voltage DC man.     19 V       Operating voltage DC man.     30 V       Cut-off peak voltage man.     55 V       Current consumption man.     12 mA       Diagnostic     V       Status indication LED     yellow       Device protection [Electrical     V       Darge of protection (EN IEC 60529)     1967       Additional condition protection degree     inserted, screwed       Rated suge voltage     0.8 kV       Mechanical data [Material data     V       Color housing     black       Material housing     Plastic       Mounting method     inserted, screwed       Environmetal characteristics [Climatic     S°C       Additional condition protection degree     inserted, screwed       Environmetal characteristics [Climatic     S°C       Additional condition protection degree     inserted, screwed       Environmetal characteristics [Climatic     S°C       Addit	Capacity CX	20 ms
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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 operating per contact max.     12 mA       Diagnottic     V       Status indication LED     yellow       Device of protection [Electrical     V       Degree of protection (ELC 60529)     IP67       Additional condition protection degree     inserted, screwed       Rate aurge voltage     0,8 kV       Mechanical data [ Material data     V       Color housing     black       Material housing     Pastic       Mouning method     inserted, screwed       Environmental characteristics [ Climatic     V       Operating inage and the screwed     68 °C       Additional condition temperature min.     25 °C       Operating inage and the screwed     69 °C       Cable identification     63 °C       Cable identification     63 °C       Cable identification     63 °C       Cable identification     63 °C	Operating voltage AC min.	19,2 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 operating per contact max.     12 mA       Diagnottic     V       Status indication LED     yellow       Device of protection [Electrical     V       Degree of protection (ELC 60529)     IP67       Additional condition protection degree     inserted, screwed       Rate aurge voltage     0,8 kV       Mechanical data [ Material data     V       Color housing     black       Material housing     Pastic       Mouning method     inserted, screwed       Environmental characteristics [ Climatic     V       Operating inage and the screwed     68 °C       Additional condition temperature min.     25 °C       Operating inage and the screwed     69 °C       Cable identification     63 °C       Cable identification     63 °C       Cable identification     63 °C       Cable identification     63 °C	Operating voltage AC max.	
Operating voltage DC min.     18 V       Operating voltage DC max.     30 V       Cut oft peak voltage max.     55 V       Current operating per contact max.     4 A       Current consumption max.     12 mA       Diagoostics     Value       Status indication LD     yellow       Device protection [Electrica]     Device protection [Electrica]       Device protection [Electrica]     Value       Color housing     0.8 kV       Mechanical data [ Material data     Color housing       Data     black       Material housing     Plastic       Mechanical data [ Mounting data     inserted, screwed       Environmental characteristics [ Climatic     Coperating temperature max.       Operating temperature max.     85 °C       Addition al condition temperature max.     85 °C       Additional condition temperature max.     85 °C       Addition al condition temperature max.     85 °C       Addition al condition temperature max.     85 °C       Addition al condition temperature max.     85 °C       Cable Type     3       Printing color of wire insulation     White (is	Operating voltage DC	24 V
Operating voltage DC max.     30 V       Cur-oft peak voltage max.     55 V       Current operating per contact max.     4 A       Current operating per contact max.     12 mA       Diagnostics     Status indication LED     yellow       Device protection / Electrical     Perf       Edditional condition protection degree     inserted, screwed       Rated surge voltage     0.8 kV       Mechanical data   Material data     Color housing       Color housing     black       Material housing     Plastic       Mounting method     inserted, screwed       Environmental characteristics   Climatic     Coperating temperature min.       Querating temperature min.     -25 °C       Operating temperature max.	Operating voltage DC min.	18 V
Cut-off peak voltage max.     55 V       Current operating per contact max.     4 A       Current consumption max.     12 mA       Diagnostics     Status indication LED       Status indication LED     yellow       Device protection [Electrical     Perferee of protection (Electrical screwed       Redd surge voltage     0.8 kV       Mechanical data [Material data     0.8 kV       Mechanical data [Material data     Screwed       Material housing     black       Material housing     Plasic       Mechanical data [Mounting data     inserted, screwed       Environmental characteristics   Climatic     Screwed       Environmental characteristics   C	Operating voltage DC max.	
Current operating per contact max.     4 A       Current consumption max.     12 mA       Diagnostics     Status indication LED     yellow       Device protection [Electrical     Device protection [Electrical     Device protection [Electrical       Degree of protection (EN IEC 60629)     IP67     Additional condition protection degree     inserted, screwed       Rated surge voltage     0.8 kV     Mechanical data [Material data     Color housing     black       Material housing     Plastic     Plastic     Mechanical data [Mounting data     Mechanical data [Mounting data     Screwed       Mounting method     inserted, screwed     Environmental characteristics   Climatic     Operating temperature min.     -25 °C       Operating temperature min.     -25 °C     Operating temperature max.     45 °C       Additional condition temperature max.     45 °C     Gaditional condition temperature max.     45 °C       Cable identification     637     Gaze     Gaze     Gaze       Cable identification     637     Gaze     Gaze     Gaze       Cable identification     637     Gaze     Gaze     Gaze     Gaze     Gaze <td>Cut-off peak voltage max.</td> <td></td>	Cut-off peak voltage max.	
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Status indication LED     yellow       Device protection   Electrical     Perf       Degree of protection (EN IEC 60529)     IP67       Additional condition protection degree     inserted, screwed       Rated surge voltage     0.8 kV       Mechanical data   Material data     Userse of protection (EN IEC 60529)       View of tage     0.8 kV       Machanical data   Material data     Userse of protection (EN IEC 60529)       Material housing     Plastic       Material housing     Plastic       Material housing data     Inserted, screwed       Environmental characteristics   Climatic     Inserted, screwed       Operating temperature max.     85 °C       Addition al condition temperature range     depending on cable quality       Installation   Cable     S7 °C       Cable fupe     637       Cable fupe     637       Cable fupe     637       Cable Tupe     Sack       Type of Certificate     GRUS       Andumit stranding     1       Stranding     1       Stranding     10 Mike @ S1 °C       Cable tupe     10 Mike @		
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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       Installation   Cable     3       Cable identification     637       Cable identification     637       Cable identification     black       Yipe of Certificate     URus       Anount stranding     4       Yite arangement     black 1, black 2, black 3, green-yellow       No. of bending cycles (C-track)     10 Mio. @ 25 °C       Cable weigth     69.3 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A		
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Environmental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Installation   Cable     637       Cable identification     637       Cable Type     3       Printing color of wire insulation     white (isolation black)       Jacket Color     black       Type of Certificate     cURus       Amount stranding     1       Stranding     4 wires twisted       wire arrangement     black 1, black 2, black 3, green-yellow       No. of bending cycles (C-track)     10 Mio. @ 25 °C       Cable weigth     69,3 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A	Mechanical data   Mounting data	
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Operating temperature max.85 °CAdditional condition temperature rangedepending on cable qualityInstallation   CableCable identification637Cable identification637Cable Type3Printing color of wire insulationwhite (isolation black)Jacket ColorblackType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementblack 1, black 2, black 3, green-yellowNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth69.3 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore A	Environmental characteristics   Climatic	
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Additional condition temperature range   depending on cable quality     Installation   Cable     Cable identification   637     Cable identification   637     Cable Type   3     Printing color of wire insulation   white (isolation black)     Jacket Color   black     Type of Certificate   cURus     Amount stranding   1     Stranding   4 wires twisted     wire arrangement   black 2, black 3, green-yellow     No. of bending cycles (C-track)   10 Mio. @ 25 °C     Cable weigth   69,3 g/m     Material jacket   PUR     Shore hardness jacket   90 ± 5 Shore A		
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Printing color of wire insulation   white (isolation black)     Jacket Color   black     Type of Certificate   cURus     Amount stranding   1     Stranding   4 wires twisted     wire arrangement   black 1, black 2, black 3, green-yellow     No. of bending cycles (C-track)   10 Mio. @ 25 °C     Cable weigth   69,3 g/m     Material jacket   PUR     Shore hardness jacket   90 ± 5 Shore A		
Jacket ColorblackType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementblack 1, black 2, black 3, green-yellowNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth69,3 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore A		
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Cable weigth 69,3 g/m   Material jacket PUR   Shore hardness jacket 90 ± 5 Shore A		
Material jacket PUR   Shore hardness jacket 90 ± 5 Shore A		
Shore hardness jacket 90 ± 5 Shore A		-
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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: 2024-04-26

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Outer-diameter (jacket)	6,5 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	4
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 <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	9,6 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	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	DIN EN 60811-404   Good, application-related testing
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

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: 2024-04-26

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