

## MSUD double valve B-10mm with cable

PUR 4x0.75 bk UL/CSA 7.5m

Form B (10 mm) 24 V AC ±20% / DC ±25% LED and suppression Connection cable L = 100 mm Further cable lengths on request.

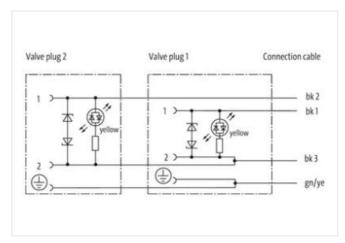
Plastic housings with good resistance against chemicals and oils.

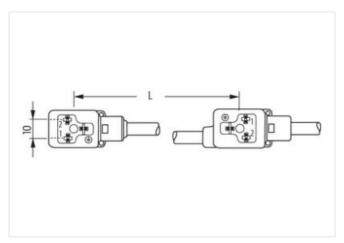
The resistance to aggressive media should be individually tested for your application. Further details on request.

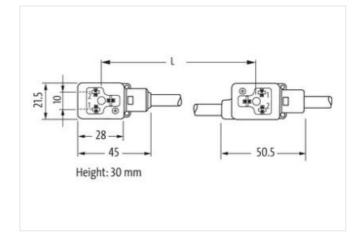
## **Link to Product**

## Illustration









Product may differ from Image



7,5 m Cable length

Side 1

0,4 Nm Tightening torque



stay connected

Commercial data         ECIASS 6.0         27061801           scatoris staff number         85444290           GTIN         406590098608           Packaging unit         1           Electrical data         Electrical data           Electrical data I Supply         20 ms           Electrical data I Supply         Poperating voltage AC           Operating voltage AC min.         19.2 V           Operating voltage AC min.         19.2 V           Operating voltage AC min.         19.4 V           Operating voltage DC min.         19.8 V           Operating voltage DC min.         19.8 V           Cut of peak voltage max.         55 V           Cut of peak voltage max.         4 A           Current consumption max.         12 mA           Degree of protection [Electrical         yellow           Degree of protection [Electrical         yellow           Degree of protection [Electrical         yellow           Mochanical data [Material data]         yellow           Cotor housing         black           Machanical data [Material data]         yellow           Mechanical data [Material data]         yellow           Cotor housing         black           Mechanical data [Material data]	Thread	M3	
Commercial data	Side 2		
Commercial data	Tightening torque	0.4 Nm	
ECLASS-6.0         27061801           Costoms suffir number         8544220           GTIN         406590909808           Packaging unit         1           Electrical data	Thread	•	
ECLASS-6.0         27061801           Costoms suffir number         8544220           GTIN         406590909808           Packaging unit         1           Electrical data	Commercial data		
customs tariff number         85444290           GTIN         405699098808           Packaging unit         1           Electrical data         V           Electrical data   Supply         V           Operating voltage AC         24 V           Operating voltage AC min.         19,2 V           Operating voltage DC         24 V           Operating voltage DC min.         18 V           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Cut-off peak voltage max.         55 V           Cut-off peak voltage max.         55 V           Cutrent operating protomate max.         12 mA           Diagnostics         Status indication LED           Status indication LED         yellow           Device protection   Electrical         P67           Additional condition protection degree         inserted, serwed           Rated surge voltage         0,8 kV           Mechanical data   Mounting data         Mackaging in maximal protection degree           Mechanical data   Mounting data         P6 C           Mechanical data   Mounting data         P6 C           Environmental characteristics   Climatic         P6 C           Operating imperature max. <td< td=""><td></td><td>07061001</td></td<>		07061001	
GTIN 406590908608 8 Packaging unt 1  Capacity CX 20 ms  Electrical data   Supply  Derating voltage AC min. 19,2 V Operating voltage DC min. 18 V Operating voltage min. 2			
Packaging unit         1           Electrical data           Capacity CX         20 ms           Electrical data   Supply         24 V           Operating voltage AC mix.         19,2 V           Operating voltage AC mix.         28,8 V           Operating voltage DC mix.         28 V           Operating voltage DC mix.         30 V           Clur of peak voltage max.         55 V           Current operating per contact max.         4 A           Current operating per contact max.         12 mA           Diagnostice         Vellow           Status indication LED         yellow           Device protection [Electrical         Vellow           Beated surge voltage         0.8 kV           Mechanical data   Material data         Vellow			
Electrical data         20 ms           Electrical tata   Supply         Electrical data   Supply           Operating voltage AC         24 V           Operating voltage AC mix.         19.2 V           Operating voltage DC         24 V           Operating voltage DC mix.         18 V           Operating voltage DC mix.         30 V           Current operating per contact max.         4 A           Current operating per contact max.         4 A           Current operating per contact max.         12 mA           Diagnostics         Status indication LED         yellow           Degree of protection (EN IEC 60529)         IP67           Additional condition protection degree         inserted, screwed           Additional condition protection degree         inserted, screwed           Malater all powering with protection of Extrical State Investigate (State State St			
Capacity CX         20 ma           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 min.         18 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.         4 A           Current operating per contact max.         4 A           Diagnostics         Value           Status indication LED         yellow           Device protection   Electrical         PF           Degree of protection   Electrical         PF           Additional condition protection degree         1P67           Rated surge voltage         0,8 kV           Mechanical data   Mounting data         Inserted, screwed           Mechanical data   Mounting data         Inserted, screwed           Mechanical data   Mounting data         Inserted, screwed           Mounting method         inserted, screwed           Environmental characteristics   Climatic         Coperating temperature min.         28 °C		'	
Electrical data   Supply         24 V           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 pask voltage max.         55 V           Current operating per contact max.         4 A           Current operating per contact max.         12 mA           Diagnostics         Status indication LED           Status indication LED         yellow           Device protection   Electrical         Powice protection   Electrical           Device protection   Electrical         187           Additional condition protection degree         inserted, screwed           Rated surge voltage         0.8 kV           Mechanical data   Material data         Mack           Mechanical data   Mounting data         Inserted, screwed           Mechanical data   Mounting data         Inserted, screwed           Environmental characteristics   Climatic         Coperating temperature min.         25 °C           Operating temperature min.         25 °C         Coperating temperature min.         26 °C           Cable identific			
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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           Degree of protection (EN IEC 60529)         IP67           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         inserted, screwed           Mechanical data [Mounting data         finested, screwed           Environmental characteristics   Climatic         Coperating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Installation   Cable         Cable identification         627           Cable identification         627           Cable identification         white (isolation black)           Jacket Color         black           Type of Certificate         cURus <td>Operating voltage DC</td> <td></td>	Operating voltage DC		
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Current consumption max.         12 mA           Diagnostics         Status indication LED         yellow           Device protection   Electrical         Perronal Conference of protection (EN IEC 60529)         IP67           Additional condition protection degree         inserted, screwed           Rated surge voltage         0,8 kV           Mechanical data   Material data         Validate in thousing         Plastic           Mechanical data   Mounting data         Mechanical data   Mounting data         Validate in thousing         Plastic           Mounting method         inserted, screwed         Plastic         Plastic           Environmental characteristics   Climatic         Coperating temperature min.         25 °C         Operating temperature max.         85 °C         Operating temperature range         depending on cable quality           Installation   Cable         Cable identification         627         Cable identification         627         Cable identification         627         Cable identification         61 ket         Plastical identification         627         Cable identification         62	Cut-off peak voltage max.		
Diagnostics           Status indication LED         yellow           Degree of protection (EN IEC 60529)         IP67           Additional condition protection degree         inserted, screwed           Additional condition protection degree         inserted, screwed           Mechanical data   Material data           Mechanical data   Material data           Mechanical data   Mounting data           Mechanical data   Mounting data           Mounting method         inserted, screwed           Environmental characteristics   Climatic           Environmental characteristics   Climatic           Operating temperature man.         -25 °C           Operating temperature man.         -25 °C           Operating temperature range         depending on cable quality           Installation   Cable           Cable IType         2           Cable dientification         627           Cable of Wire insulation         white (isolation black)           Jacket Color         black           Type of Certificate         cURus           Amount stranding         4 wires twisted           Wire arrangemen			
Status indication LED         yellow           Degree of protection   Electrical           Degree of protection (EN IEC 60529)         IP67           Additional condition protection degree         inserted, screwed           Rated surge voltage         0,8 kV           Mechanical data   Material data           Mechanical data   Mounting data           Mechanical data   Mounting data           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           Cable identification         627           Cable identification         627           Cable identification         black           Cable (Vine)         black           Printing color of wire insulation         white (isolation black)           Jacket Color <th cols<="" td=""><td>Current consumption max.</td><td>12 mA</td></th>	<td>Current consumption max.</td> <td>12 mA</td>	Current consumption max.	12 mA
Device protection   Electrical           Degree of protection (EN IEC 60529)         IP67           Additional condition protection degree         inserted, screwed           Rated surge voltage         0,8 kV           Mechanical data   Material data           Color housing         black           Metarial housing         Plastic           Mechanical data   Mounting data           Mounting method         inserted, screwed           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         45 °C           Additional condition temperature range         depending on cable quality           Installation   Cable         Cable identification           Cable identification         627           Cable identification         627           Cable identification         black           Cable Color         black           Printing color of wire insulation         white (isolation black)           Jacket Color         black           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         black 1, black 2, black 3, green-yellow           No. of bending cycles (C-track) <td>Diagnostics</td> <td></td>	Diagnostics		
Degree of protection (EN IEC 60529)         IP67           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         Coperating temperature min.         25 °C           Operating temperature max         85 °C           Additional condition temperature range         depending on cable quality           Installation   Cable         Cable identification         627           Cable identification         627         Cable identification with (isolation black)           Jacket Color         black         Dlack           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)         2 Mio. @ 25 °C           Cable weight         74.8 g/m           Material jacket         PUR           Shore hardness jacket	Status indication LED	yellow	
Degree of protection (EN IEC 60529)         IP67           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         Coperating temperature min.         25 °C           Operating temperature max         85 °C           Additional condition temperature range         depending on cable quality           Installation   Cable         Cable identification         627           Cable identification         627         Cable identification with (isolation black)           Jacket Color         black         Dlack           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)         2 Mio. @ 25 °C           Cable weight         74.8 g/m           Material jacket         PUR           Shore hardness jacket	Device protection   Electrical		
Additional condition protection degree inserted, screwed Rated surge voltage 0,8 kV  Mechanical data   Material data  Color housing black Material nousing Plastic  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality  Installation   Cable  Cable identification 627  Cable Type 2 Printing color of wire insulation white (isolation black)  Jacket Color black  Amount stranding 1 Stranding 4 wires twisted wire arrangement black 1, black 2, black 3, green-yellow No. of bending cycles (C-track) 2 Mio. @ 25 °C Cable weigth 74,8 g/m Material jacket PLR Shore hardness jacket 85 Shore A		IP67	
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  Operating temperature min25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality  Installation   Cable  Cable identification 627 Cable Type 2 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 Mount glacket (C-track) 2 Mine (Ser Cable wire)  Allow (C-track) 2 Mine (Ser Cable wire)  Cable weigh 74,8 g/m Material jacket PUR  Shore hardness jacket 85	<u> </u>		
Mechanical data   Material data           Color housing         black           Material housing         Plastic           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           Cable didntification         627           Cable Type         2           Cable Type         2           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)         2 Mio. @ 25 °C           Cable weigth         74,8 g/m           Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A			
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Mechanical data   Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Installation   Cable  Cable identification 627  Cable Type 2  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) 2 Mio. @ 25 °C  Cable weigth 74,8 g/m  Material jacket PUR  Shore hardness jacket 8 85 ± 5 Shore A	-		
Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Installation   Cable  Cable identification 627  Cable Type 2  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) 2 Mio. @ 25 °C  Cable weigth 74,8 g/m  Material jacket PUR  Shore hardness jacket 85 ± 5 Shore A		Flastic	
Environmental characteristics   Climatic  Operating temperature min.  Operating temperature max.  Additional condition temperature range depending on cable quality  Installation   Cable  Cable identification  Cable Type  2  Printing color of wire insulation  white (isolation black)  Jacket Color  black  Type of Certificate  Amount stranding  1  Stranding  4 wires twisted  wire arrangement  black 1, black 2, black 3, green-yellow  No. of bending cycles (C-track)  2 Mio. @ 25 °C  Cable weigth  74,8 g/m  Material jacket  PUR  Shore hardness jacket  85 ± 5 Shore A			
Operating temperature min.  -25 °C Operating temperature max.  85 °C Additional condition temperature range depending on cable quality  Installation   Cable  Cable identification  627 Cable Type  2 Printing color of wire insulation  Maite (isolation black)  Jacket Color  black Type of Certificate  Amount stranding  1 Stranding  4 wires twisted  wire arrangement  black 1, black 2, black 3, green-yellow  No. of bending cycles (C-track)  2 Mio. @ 25 °C Cable weigth  74,8 g/m  Material jacket  PUR  Shore hardness jacket  85 ± 5 Shore A	Mounting method	inserted, screwed	
Operating temperature max.  Additional condition temperature range depending on cable quality  Installation   Cable  Cable identification 627  Cable Type 2  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) 2 Mio. @ 25 °C  Cable weigth 74,8 g/m  Material jacket 85 ± 5 Shore A	Environmental characteristics   Climatic		
Additional condition temperature range depending on cable quality  Installation   Cable  Cable identification 627  Cable Type 2  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) 2 Mio. @ 25 °C  Cable weigth 74,8 g/m  Material jacket PUR  Shore hardness jacket 627	Operating temperature min.	-25 °C	
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Cable identification 627  Cable Type 2  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) 2 Mio. @ 25 °C  Cable weigth 74,8 g/m  Material jacket PUR  Shore hardness jacket 85 ± 5 Shore A	Additional condition temperature range	depending on cable quality	
Cable Type         2           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)         2 Mio. @ 25 °C           Cable weigth         74,8 g/m           Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A	Installation   Cable		
Cable Type         2           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)         2 Mio. @ 25 °C           Cable weigth         74,8 g/m           Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A	Cable identification	627	
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) 2 Mio. @ 25 °C  Cable weigth 74,8 g/m  Material jacket PUR  Shore hardness jacket 85 5 Shore A		2	
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Amount stranding         1           Stranding         4 wires twisted           wire arrangement         black 1, black 2, black 3, green-yellow           No. of bending cycles (C-track)         2 Mio. @ 25 °C           Cable weigth         74,8 g/m           Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A	Jacket Color	black	
Stranding 4 wires twisted  wire arrangement black 1, black 2, black 3, green-yellow  No. of bending cycles (C-track) 2 Mio. @ 25 °C  Cable weigth 74,8 g/m  Material jacket PUR  Shore hardness jacket 85 ± 5 Shore A	Type of Certificate	cURus	
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No. of bending cycles (C-track)  2 Mio. @ 25 °C  Cable weigth  74,8 g/m  Material jacket  PUR  Shore hardness jacket  85 ± 5 Shore A	Stranding	4 wires twisted	
Cable weigth         74,8 g/m           Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A	wire arrangement	black 1, black 2, black 3, green-yellow	
Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A	No. of bending cycles (C-track)	2 Mio. @ 25 °C	
Shore hardness jacket 85 ± 5 Shore A	Cable weigth	74,8 g/m	
	Material jacket	PUR	
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free	Shore hardness jacket	85 ± 5 Shore A	
	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free	



Outer-diameter (jacket)	6,5 mm
Tolerance outer diameter (sheath)	± 5 %
Material inner jacket	PVC
Color (inner jacket)	black
Material wire insulation	PVC
Amount wires	4
Outer diameter insulation	1,8 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	43 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-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)	5 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 kV @ 60 s
AC withstand voltage power (wire - wire)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 ℃
Operating temperature max. (dynamic)	80 °C
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	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	10 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter