

## MSUD double valve B-10mm with cable

PVC 4x0.75 gy 1.5m

Form B (10 mm) 24 V AC ±20% / DC ±25% LED and suppression Connection cable L = 200 mm Further cable lengths on request.

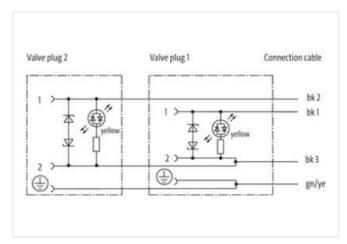
Plastic housings with good resistance against chemicals and oils.

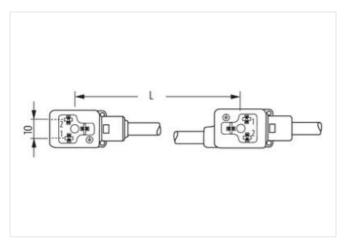
The resistance to aggressive media should be individually tested for your application. Further details on request.

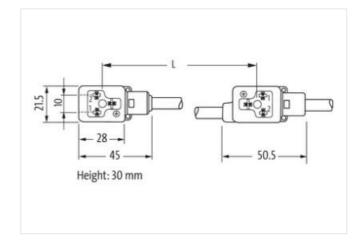
## **Link to Product**

## Illustration









Product may differ from Image



Cable length 1,5 m

Side 1

0,4 Nm Tightening torque

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: 2024-05-14



stay connected

Commercial data         ECIASS 8.0         27279218           ECIASS 8.0         27279218           ECIASS 8.0         27279218           ECIASS 8.0         27279218           ECIASS 9.0         27060312           ECIASS 9.0         27060312           ECIASS 9.1.1         27060312           ECIASS 9.1.1         27060312           ECIASS 9.1.1         27060312           ECIASS 9.1.2         ECO1855           ECIASS 9.1.3         ECO1855           customs tentif number         8544290           GTIN         4048879139917           Packaging unit         1           Electrical data         20           Capacity CX         20 ms           Electrical data   Supply         Electrical data   Supply           Operating voltage AC         24 V           Operating voltage AC         24 V           Operating voltage AC         24 V           Operating voltage AC max.         28 V           Operating voltage AC max.         28 V           Operating voltage DC max.         30 V           Cut-off peak voltage max.         55 V           Cut-off peak voltage max.         12 mA           Diagnositics         28 N	Thread	мз
Thread	Side 2	
Thread	Tightening torque	0.4 Nm
ECLASS-6.0 27279618 ECLASS-6.1 27279618 ECLASS-7.0 27279618 ECLASS-8.0 27279618 ECLASS-8.0 27279618 ECLASS-8.0 27279618 ECLASS-1.1 27060312 ETM-5.0 ECMASS-1.1 27060312 ETM-5.0 EC	Thread	·
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ECLASS-7.0 27279218  ECLASS-8.0 2779218  ECLASS-9.0 27060312  ECLASS-1.1 27060312  ECLASS-1.1 27060312  ECLASS-1.2 27060312  ECLASS-1.2 27060312  ETIM-5.0 EC091825  ETIM-5.0 EC091825  ETIM-5.0 EC091825  ETIM-5.0 EC091825  ETIM-6.0 EC091825  ETIM-6.0 EC091825  ETIM-7.0 EC091825		
ECLASS 8.0 2779318  ECLASS 9.0 2706312  ECLASS-1.1 2706312  ECLASS-1.2 2706312  ECLASS-1.2 2706312  ECLASS-1.2 2706312  ECLASS-1.2 2706312  ETM-5.0 ECON855  customs tarif number 85444290  GTN 4468878135917  Packaging unit 1  Electrical data  Electrical data  Saparly CX 20 ms  Electrical data   Supply  Operating voltage AC mx. 28.8 V  Operating voltage AC mx. 19.2 V  Operating voltage AC mx. 28.8 V  Operating voltage DC mx. 30 V  Operating voltage DC mx. 30 V  Current operating portage DC mx. 30 V  Current operating portage DC mx. 12 mA  Diagnostics  Status indication LED yellow  Device protection   Electrical  Degree of protection   Elect		
ECLASS-9.0         27060312           ECLASS-9.10.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ECLASS-12.0         ECO01855           customs fariff number         85444290           GTIN         4048879135917           Packaging unit         1           Electrical data         Capacity CX           Capacity CX         20 ms           Electrical data   Supply         Coperating voltage AC min.           Operating voltage AC min.         19.2 V           Operating voltage AC min.         19.2 V           Operating voltage AC min.         19.2 V           Operating voltage DC min.         18 V           Current operating per contact max.         4 A           Current operating per contact max.         12 mA           Diagnostics         Status indication LED           Periode protection   Electrical         yellow           Degree of protection   Electrical         yellow           Degree of protection   Electrical         yellow           Degree of protection		
ECLASS-10.1         27060312           ECLASS-12.0         27060312           ETIM-5.0         EC001855           customs tarff number         85444290           GTIN         404879135917           Packaging unit         1           Electrical data         Capacity CX           Gapacity CX         20 ms           Electrical data [Supply         Coperating voltage AC           Operating voltage AC max.         28,8 V           Operating voltage AC max.         28,8 V           Operating voltage AC max.         28,8 V           Operating voltage DC mm.         19 V           Operating voltage DC max.         30 V           Cul-off peak voltage max.         30 V           Cul-off peak voltage max.         55 V           Cul-off peak voltage max.         12 mA           Diagnostics         Vellow           Status indication LED         yellow           Device protection   Electrical         Perature to ensumption max.         12 mA           Device protection   Electrical         Perature to ensumption electron degree           Device protection   Electrical         Perature to ensumption electron degree           Device protection   Electrical         Perature to ensumption electron degree		
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ECILASS-12.0 27060312  ETIM-5.0 EC001855  COUNTIN 4048679135917  Packaging unit 1  Electrical data  Capacity CX 20 ms  Electrical data   Supply  Operating voltage AC 24 V  Operating voltage AC mix. 28 8 V  Operating voltage AC Mix. 30 V  Operating voltage AC mix. 28 8 V  Operating voltage AC mix. 30 V  Operating voltage AC mix. 30 V  Cut-off peak voltage AC Mix. 30 V  Cut-off peak voltage AC Mix. 30 V  Cut-off peak voltage DC mix. 30 V  Cut-off peak voltage DC mix. 4 A  Current operating voltage AC mix. 30 V  Cut-off peak voltage AC Mix. 30 V  Cut-off peak voltage Mix. 35 V  Current operating voltage AC Mix. 30 V  Cut-off peak voltage Mix. 35 V  Current operating voltage AC Mix. 30 V  Cut-off peak voltage Mix. 35 V  Current operating per contact mix. 4 A  Current consumption max. 12 mA  Diagnostics  Status indication LED yellow  Device protection (Electrical  Machanical data   Mounting data  Machanical data   Mounting data  Machanical data   Mounting data  Machanical data   Mounting data  Mix. Mix. Mix. Mix. Mix. Mix. Mix. Mix.		
ETIM-5.0 EC001895 customs tariff number 85444290 GTIN 4048879139917 Packaging unit 1  Electrical data  Capacity CX 20 ms  Electrical data   Suppry  Operating voltage AC 24 V  Operating voltage AC max. 28.8 V  Operating voltage AC max. 28.8 V  Operating voltage DC 24 V  Operating voltage DC 24 V  Operating voltage DC 34 V  Operating voltage DC max. 30 V  Operating voltage DC max. 30 V  Cut off peak voltage max. 55 V  Cut off peak voltage max. 55 V  Cut off peak voltage max. 12 mA  Diagnostics  Status indication LED yellow  Device protection   Electrical  Degree of protection   Electrical  Degree of protection   Electrical  Degree of protection degree inserted, screwed  Rated suge voltage  Machanical data   Material data  Color housing black  Material housing Plastic  Mechanical data   Mounting data  Macting temperature min. 25 °C  Operating temperature min. 25 °C  Operating temperature max. 45 °C  Additional condition temperature rang. 45 °C  Operating temperature min. 45 °C  Additional condition temperature rang. 45 °C  Operating temperature min. 45 °C  Additional condition despecial mounting temperature max. 45 °C  Additional condition temperature rang. 45 °C  Operating temperature min. 45 °C  Additional condition temperature rang. 45 °C  Altention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.		
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GTIN 448879135917 Packaging unit 1  Electrical data  Capacity CX 20 ms  Electrical data   Suppty   Operating voltage AC 24 V  Operating voltage AC max. 28.8 V  Operating voltage AC max. 28.8 V  Operating voltage BC min. 18 V   Operating voltage BC min. 18 V   Operating voltage BC min. 18 V   Current consumption max. 55 V   Current operating per contact max. 4 A   Current consumption max. 12 mA  Designed protection   Electrical   Verification   Verificatio		
Packaging unit   1  Electrical data   Supply   S		
Electrical data   Supply    Operating voltage AC		
Electrical data   Supply  Operating voltage AC 24 V  Operating voltage AC min. 19,2 V  Operating voltage AC min. 28,8 V  Operating voltage DC 24 V  Operating voltage DC 24 V  Operating voltage DC ini. 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 consumption max. 12 mA  Diagnostics  Status indication LED yellow  Device protection   Electrical  Degree of protection   Electrical  Degree of protection   Electrical  Degree of protection   Electrical  Degree of 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  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.		<u>'</u>
Electrical data   Supply  Operating voltage AC min. 19.2 V  Operating voltage AC min. 19.2 V  Operating voltage AC min. 28.8 V  Operating voltage DC 24 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  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 data   Material data   Materi		
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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. 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 Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min. 25 °C Operating temperature max. 85 °C Additional condition networks and the unsured peaking to make the protection class can be endangered by excessive bending forces.  Installation   Cable	Operating voltage AC min.	19,2 V
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Operating voltage DC max. 55 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  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C Operating temperature max. 85 °C  Additional condition notes  Note on strain relief 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.	Operating voltage DC	24 V
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Current operating per contact 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  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on bending radius Attention Cable  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	Operating voltage DC max.	30 V
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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  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  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.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	Current consumption max.	12 mA
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Degree of protection (EN IEC 60529)  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  Operating temperature min25 °C  Operating temperature max. 85 °C  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.  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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Environmental characteristics   Climatic  Operating temperature min.  Operating temperature max.  85 °C  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.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable	Mechanical data   Mounting data	
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endangered by excessive bending forces.  Installation   Cable	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	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Cable identification 217	Installation   Cable	
Danie recommendent E17	Cable identification	217



Cable Type	1
Printing color of wire insulation	white (isolation black)
Jacket Color	gray
Amount stranding	1
Stranding	4 wires twisted
wire arrangement	black 1, black 2, black 3, green-yellow
Cable weigth	75,9 g/m
Material jacket	PVC
Shore hardness jacket	80 ± 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 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
Material properties wire insulation	good machinability
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Printing color of wire insulation	white (isolation black)
Amount strands (wire)	24
Diameter of single wires	0,2 mm
Conductor crosssection (wire)	0,75 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Max. rated voltage (conductor - conductor)	500 V
Max. rated voltage (conductor - ground)	300 V
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
AC withstand voltage (wire - wire)	3 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	3 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	70 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
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