

## MSUD double valve A-18mm with cable

PVC 4x0.75 ye 10m

Form A (18 mm) 24 V AC ±20% / DC ±25% LED and suppression Connection cable L = 110 mm Further cable lengths on request.

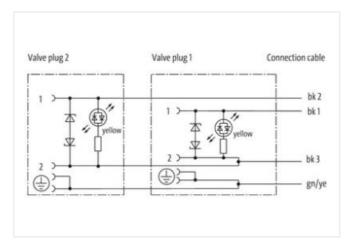
Plastic housings with good resistance against chemicals and oils.

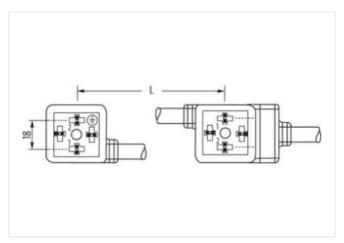
The resistance to aggressive media should be individually tested for your application. Further details on request.

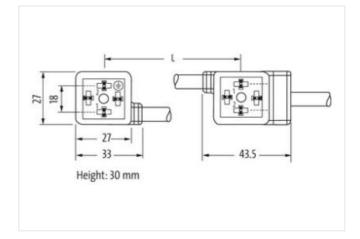
## **Link to Product**

## Illustration









Product may differ from Image



Cable length 10 m

Side 1

0,4 Nm Tightening torque



stay connected

Material   PRT   Side 2   Side 2   Side 2   Side 2   Side 3   Si	Thread	M3
Tightening torque	Material	PBT
Tightening torque	Side 2	
Material		0.4 Nm
Material   PBT	<u> </u>	·
Commercial data	-	
ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27260312 ECLASS-1.1 27660312 ETM-5.0 E.0001855 cusions lariff number 85444290 GTM 4648797138031 Packaging unit 1 Electrical data  Capacity CX 20 ms  Electrical data Supply Operating voltage AC 24 V Operating voltage AC ms. 19,2 V Operating voltage AC ms. 19,2 V Operating voltage AC ms. 28,8 V Operating voltage DC min. 18 V Operating voltage DC min. 12 mA Disposatics  Status indication LED yellow  Device protection (EM EC 60529) Additional condition protection degree inserted, screwed Pollution Degree  Jacks of the protection of the EC 60529 of the Additional Supple S		
ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-9.0 27279218 ECLASS-9.0 27260312 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-11.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ECLASS-10.1 2706031 ECLASCAS-10.1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
ECLASS-7.0 27279218 ECLASS-9.0 2779218 ECLASS-9.0 2779218 ECLASS-9.1 2779218 ECLASS-10.1 27792132 ECLASS-11.1 2709312 ECLASS-11.1 2709312 ECLASS-12.0 2709312 ECLASS-12.0 2709312 ECLASS-12.0 2709312 ECLASS-13.0		
ECLASS 8.0 27279218  ECLASS 9.0 2706012  ECLASS 1-1.1 27060312  ECLASS 1-2.0 27060312  ECLASS 1-2.0 27060312  ETM 5.0 ECON185  customs tariff number 85444290  GTN 4048879138031  Packaging unit 1  Electricat data  Capacity CX 20 ms  Electricat data Supply  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 min. 18 V  Operating voltage DC min. 19.2 W  Cut-off peak voltage max. 55 V  Cut-off peak voltage max. 12 mA  Diagnostics  Status indication LED yellow  Device protection (EN IEC 60529) P67  Additional condition protection degree inserted, screwed  Pollution Degree 9  Rated surge voltage Mc inserted, screwed  Material group (IEC 60641)  Additional suppressor Diode, Z-Diode  Mechanical data   Mounting data  Mounting method inserted, screwed  Metchanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Environmental components max. 85 °C		
ECLASS-9.0   27060312		
ECLASS-10.1         27060312           ECLASS-11.0         27060312           ECLASS-12.0         27060312           ETIM-5.0         EC001855           oustoms tariff number         8544290           GTIN         4048879138031           Packaging unit         1           Electrical data         Capacity CX           Sepacity CX         20 ms           Electrical data   Supply         Supply           Operating voltage AG         24 V           Operating voltage AG min.         19.2 Y           Operating voltage AG max.         28.8 V           Operating voltage AG max.         28.8 V           Operating voltage DC max.         30 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           Degree of protection (EN IEC 60529)         IP67           Additional condition protection degree         3           Rated surge voltage         0.8 kV           Mechanical data [Mate		
ECLASS-11.1 27060312 ECLASS-12.0 27060312 ECLASS-12.0 12001855 customs tariff number 8544290 GTN 4048879138031 Packaging unt 1  Electrical data Capacity CX 20 ms  Electrical data   Supply Operating voltage AC min 19.2 V Operating voltage BC max 28.8 V Operating voltage BC min 18 V Operating voltage BC min 18 V Operating voltage BC max 30 V Operating voltage BC max 30 V Operating voltage BC max 4 A Operating voltage BC max 55 V Current operating per contact max 4 A Current consumption max 12 mA  Degree of protection (En IEC 60529) Status indication LED yellow  Device protection (En IEC 60529) Rated surge voltage AC min 18 V Operating voltage BC min 18 V Operating voltage BC min 18 V Operating voltage BC min 18 V Operating voltage MC max 30 V Operating voltage MC max 30 V Operating voltage BC min 18 V Operating voltage MC min 18 V Operating voltage MC min 18 V Operating voltage max 55 V  Electrical data in Meterial general max 4 A Outrent consumption max 12 mA  Electrical data in Meterial data inserted, screwed  Pollution Degree 3 Rated surge voltage No & KV Material group (IEC 60664-1) 1 Additional condition protection degree inserted, screwed  Pollution Degree S Operating lenderial Steel  Mechanical data in Meunting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Deprating lemporature min. 25 °C Operating lemporature max 85 °C		
ECLASS 12.0         27060312           ETIM-5.0         EC001855           customs tariff rumber         8544290           GTIN         4048879138031           Packaging unit         1           Electrical data         Capacity CX           Capacity CX         20 ms           Electrical data   Supply         Operating voltage AC           Operating voltage AC min.         19.2 V           Operating voltage AC min.         19.2 V           Operating voltage DC max.         28.8 V           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Cut-off peak voltage max.         5 5 V           Current operating per contact max.         12 mA           Diagnostics         Status indication LED           Status indication LED         yellow           Device protection   Electrical Degree of protection   Electrical Degree of protection flex   Electrical Degree of protection flex   Electrical Degree of protection degree inserted, screwed           Politation Degree and protection degree inserted, screwed         Politation alsuppressor         Diode, z-Diode           Material group (IEC 60684-1)         1         Additional suppressor         Diode, z-Diode           Mechanical data   Material data         Electrical Degree of		
ETIM-5.0   EC001855		
customs tariff number 85444290 GTIN 4048879138031 Packaging unit 1  Electrical data  Capacity CX 20 ms  Electrical data   Supply  Operating voltage AC 24 V  Operating voltage AC 31, 19,2 V  Operating voltage AC 32,8 V  Operating voltage AC 34,0 V  Operating voltage AC 35,0 V  Operating voltage AC 36,0 V  Operating voltage AC 37, 19,2 V  Operating voltage AC 37, 19,2 V  Operating voltage AC 38,8 V  Operating voltage AC 37,0 V  Operating voltage DC 31,0 V  Operating voltage 31,0 V  Operating voltage 31,0 V  Operating voltage 31,0 V  Operating voltage 32,0 V  Operating volt		
STIN   4048879138031   Packaging unit   1		
Packaging unit   1	-	
Electrical data   Supply	<u></u>	
Capacity CX		1
Electrical data   Supply	Electrical data	
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           Current consumption max.         12 mA           Diagnostics           Status indication LED         yellow           Device protection   Electrical           Degree of protection   Electrical           Degree of protection (EN IEC 60529)         IP67           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         I           Additional suppressor         Diode, Z-Diode           Mechanical data   Material data           Coating locking         verzinkt           Color housing         black           Material gasket         PUR           Locking material         Steel           Mechanical data   Mounting data	Capacity CX	20 ms
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           Current consumption max.         12 mA           Diagnostics           Status indication LED         yellow           Device protection   Electrical           Degree of protection   Electrical         Pegree of protection (EN IEC 60529)           Populution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         I           Additional suppressor         Diode, Z-Diode           Mechanical data   Material data           Coating looking         verzinkt           Color housing         black           Material gasket         PUR           Locking material         Steel           Mechanical data   Mounting data           Mounting method         inserted, screwed           Environmental characteristics   Climatic           Operating temperature min.         -25 °C	Electrical data   Supply	
Operating voltage AC max.	Operating voltage AC	24 V
Operating voltage DC	Operating voltage AC min.	19,2 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 Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I Additional suppressor Diode, Z-Diode  Mechanical data   Material data  Coating locking verzinkt Color housing black Material gasket PUR Locking material Steel  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic Operating temperature min25 °C Operating temperature max. 85 °C	Operating voltage AC max.	28,8 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  Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I Additional suppressor Diode, Z-Diode  Mechanical data   Material data  Coating locking verzinkt Color housing black Material gasket PUR Locking material Steel  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C Operating temperature max. 85 °C	Operating voltage DC	24 V
Cut-off peak voltage max. 55 V Current operating per contact max. 4 A Curent 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  Pollution Degree 3 Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I Additional suppressor Diode, Z-Diode  Mechanical data   Material data  Coating locking verzinkt Color housing black Material gasket PUR Locking material Steel  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C Operating temperature max. 85 °C	Operating voltage DC min.	18 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  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 6064-1) I  Additional suppressor Diode, Z-Diode  Mechanical data   Material data  Coating locking verzinkt  Color housing black  Material gasket PUR  Locking material Steel  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C Operating temperature max. 85 °C	Operating voltage DC max.	30 V
Current consumption max. 12 mA    Diagnostics	Cut-off peak voltage max.	55 V
Diagnostics  Status indication LED yellow  Device protection   Electrical  Degree of protection (EN IEC 60529) IP67  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Additional suppressor Diode, Z-Diode  Mechanical data   Material data  Coating locking verzinkt  Color housing black  Material gasket PUR  Locking material Steel  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C	Current operating per contact max.	4 A
Status indication LED yellow  Device protection   Electrical  Degree of protection (EN IEC 60529) IP67  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Additional suppressor Diode, Z-Diode  Mechanical data   Material data  Coating locking verzinkt  Color housing black  Material gasket PUR  Locking material Steel  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C	Current consumption max.	12 mA
Device protection   Electrical  Degree of protection (EN IEC 60529) IP67  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Additional suppressor Diode, Z-Diode  Mechanical data   Material data  Coating locking verzinkt  Color housing black  Material gasket PUR  Locking material Steel  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C	Diagnostics	
Device protection   Electrical  Degree of protection (EN IEC 60529) IP67  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Additional suppressor Diode, Z-Diode  Mechanical data   Material data  Coating locking verzinkt  Color housing black  Material gasket PUR  Locking material Steel  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C	Status indication LED	yellow
Degree of protection (EN IEC 60529) IP67  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Additional suppressor Diode, Z-Diode  Mechanical data   Material data  Coating locking verzinkt  Color housing black  Material gasket PUR  Locking material Steel  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C	Device protection   Electrical	
Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Additional suppressor Diode, Z-Diode  Mechanical data   Material data  Coating locking verzinkt  Color housing black  Material gasket PUR  Locking material Steel  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C		ID67
Pollution Degree 3 Rated surge voltage 0,8 kV  Material group (IEC 60664-1) 1  Additional suppressor Diode, Z-Diode  Mechanical data   Material data  Coating locking verzinkt  Color housing black  Material gasket PUR  Locking material Steel  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C		
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Additional suppressor  Mechanical data   Material data  Coating locking  verzinkt  Color housing  black  Material gasket  PUR  Locking material  Steel  Mechanical data   Mounting data  Mounting method  inserted, screwed  Environmental characteristics   Climatic  Operating temperature min.  -25 °C  Operating temperature max.  85 °C		1
Mechanical data   Material data  Coating locking verzinkt  Color housing black  Material gasket PUR  Locking material Steel  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C		Diode 7-Diode
Coating locking verzinkt  Color housing black  Material gasket PUR  Locking material Steel  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C		5,000, 2,5,000
Color housing black  Material gasket PUR  Locking material Steel  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C	·	
Material gasket PUR Locking material Steel  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C		
Locking material  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C		
Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C	·	
Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C		2 <u>1</u> 66l
Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C	Mechanical data   Mounting data	
Operating temperature min25 °C Operating temperature max. 85 °C	Mounting method	inserted, screwed
Operating temperature max. 85 °C	Environmental characteristics   Climatic	
	Operating temperature min.	-25 °C
Additional condition temperature range depending on cable quality	Operating temperature max.	85 °C
	Additional condition temperature range	depending on cable quality

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

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.
Installation   Cable	
Cable identification	017
Cable Type	1
Printing color of wire insulation	white (isolation black)
Jacket Color	yellow
Amount stranding	1
Stranding	4 wires twisted
wire arrangement	black 1, black 2, black 3, green-yellow
Cable weigth	81,4 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
ngredient 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 mm²
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 - acket)	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 § 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