

## MSUD double valve A-18mm with cable

PUR 4x0.75 ye 1.5m

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

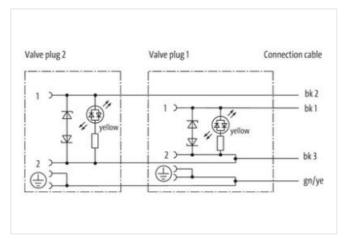
Plastic housings with good resistance against chemicals and oils.

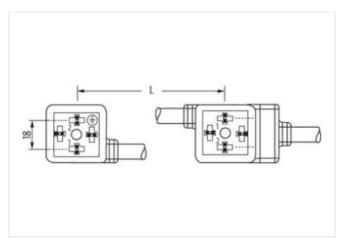
The resistance to aggressive media should be individually tested for your application. Further details on request.

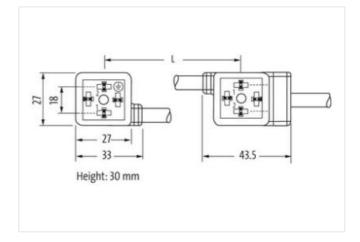
## **Link to Product**

## Illustration









Product may differ from Image



Cable length 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: 2024-05-17



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Material	Thread	M3	
Tightening torque	Material	PBT	
Percent	Side 2		
Percent	Tightening torque	0.4 Nm	
Motorial   PBT			
Commercial data   CELASS-8.0   27279218   CELASS-8.0   27279218   CELASS-7.0   27279218   CELASS-7.0   27279218   CELASS-7.0   27279218   CELASS-8.0   27279218   CELASS-8.0   27279218   CELASS-8.0   27279218   CELASS-9.0   2769312   CELASS-9.0   2769312   CELASS-9.1   2769312   CELASS-9.1   2769312   CELASS-9.1   2769312   CELASS-9.1   2769312   CELASS-9.0   2769			
ECLASS-6.0         27279218           ECLASS-6.1         2779218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060312           ECLASS-10.1         27060312           ECLASS-11.4         27060312           ECLASS-11.5         27060312           ECLASS-12.0         27060312           ETIM-5.0         ECO01855           customs tarff number         55444290           GTIN         404879738024           Packaging unit         1           Electrical data         1           Capacity CX         20 ms           Electrical data   Supply         20 ms           Operating voltage AC         24 V           Operating voltage AC ms.         19.2 V           Operating voltage AC ms.         19.2 V           Operating voltage DC min.         18 V           Operating voltage DC min.         20 M           Current operating per contact ms.         4 A <t< td=""><td></td><td></td></t<>			
ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27680312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ECLASS-17.0         27060312           ECLASS-18.0         27060312           ECLASS-19.0         E0001855           customs tariff number         85444290           GTIN         408679138024           Packaging unt         1           Electrical dats         20 ms           Electrical dats         20 ms           Electrical dats Supply         20 ms           Operating voltage AC         24 V           Operating voltage AC         24 V           Operating voltage AC         24 V           Operating voltage DC         24 V           Operating voltage DC ms.         18 V           Operating voltage pc ms.         30 V           Cut-orl pask voltage ms.         55 V           Current consumption ms.         12 mA           Diagnostics         3           Status indication LED         10 ms           Device protection [Electrical Selectrical Selectrical Selectrical Selectrical Selectrical Selectrical Selectr		07070040	
ECLASS-7.0         27279218           ECLASS-8.0         27779218           ECLASS-9.1         27060312           ECLASS-10.1         27060312           ECLASS-12.0         27060312           ECLASS-12.0         27060312           ETIM 5.0         ECO01895           Louisons fairff number         8544290           GTIN         4048879138024           Peackaging unit         1           Electrical data         Electrical data           Gapacity CX         20 ms           Electrical data   Supply         Electrical data   Supply           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           Operating voltage DC min.         18 V           Operating voltage DC min.         18 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 LEO           Status indication LEO         yellow           Device protection [Electrical         1			
ECLASS-8.0         27279218           ECLASS-9.0         27060312           ECLASS-10.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ETIM-5.0         ECORISS-5           customs staff rumber         85444290           GTIN         4048879138024           Packaging unit         1           Electrical data         Very Company			
ECLASS-9.0         27060312           ECLASS-10.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ETIM-6.0         EC001855           Lustoms traff number         8544290           GTIN         4048879138024           Packaging unit         1           Electrical data         UN           Capacity CX         20 ms           Electrical data   Supply         UN           Operating voltage AC         24 V           Operating voltage AC max.         28.8 V           Operating voltage AC max.         28.8 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.         4 A           Cut-off peak voltage max.         12 mA           Diegnostics         Vellow           Degresory of protection   Electrical         Vellow			
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ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         404879138024           Packaging unil         1           Electrical data         Verification           Electrical data [Supply         Verification [Supply           Operating voltage AC         24 V           Operating voltage AC min.         19.2 V           Operating voltage AC min.         19.2 V           Operating voltage DC min.         18 V           Operating voltage DC min.         18 V           Operating voltage DC min.         19 V           Out-off peak voltage max.         4 A           Current consumption max.         12 mA           Diagnostics           Status indication LED         yellow           Device protection [Electrical           Degree of protection (EN IEC 60529)         1P67           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60684			
customs tariff number         85444290           GTIN         4048879138024           Packaging unit         1           Electrical data			
GTIN         4048879138024           Packaging unit         1           Electrical data         Capacity CX         20 ms           Electrical data   Supply         Uperating voltage AC         24 V           Operating voltage AC min.         19.2 V           Operating voltage DC min.         18 V           Operating voltage DC min.         18 V           Operating voltage DC min.         18 V           Operating voltage max.         30 V           Cut-off peak voltage max.         55 V           Current operating per contact max.         4 A           Current operating per contact max.         4 A           Use by sold per potection [Electrical         Per particular per potection [Electrical           Degree of protection (EILEC 60529)         IP67           Additional condition protection degree         3           Reted surge voltage         0.8 kV           Material group (IEC 60664-1)         1           Additional suppressor         Diode, Z-Diode           Mechanical data   Material data         PuR           Color housing         black           Material gasket         PuR           Locking material         Steel           Environmental characteristics   Climatic			
Packaging unit   1			
Electrical data   Supply           Operating voltage AC         24 V           Operating voltage AC max.         28.8 V           Operating voltage AC max.         28.8 V           Operating voltage DC min.         18 V           Operating voltage DC min.         18 V           Operating portage pC 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.         12 mA           Degree of protection [ED Ectrical           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (EC 60664-1)         1           Additional suppressor         Diode, 2-Diode           Mechanical data   Material data           Cotion busing         black           Material gasket         PUR           Locking material         See!           Mechanical data   Mounting data           Mechanical data			
Capacity CX         20 ms           Electrical data   Supply           Operating voltage AC         24 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.         55 V           Current operating per contact max.         4 A           Current consumption max.         12 mA           Diagnostics           Status indication LED         yellow           Device protection   Electrical           Device protection (EN IEC 60529)         IP67           Additional condition protection degree         inserted, screwed           Politution 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		1	
Parameter   Para			
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 operating per contact max.         12 mA           Diagnostics           Status indication LED         yellow           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           Coloir housing         black           Material gasket         PUR           Locking material         Steel           Mechanical data   Mounting data           Mechanical data   Mounting method         inserted, screwed           E	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 (EN IEC 60529)         IP67           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Mechanical data   Material data           Mechanical data   Material data           Coating locking         verzinkt           Coating locking         verzinkt           Coating locking anterial         Steel           Mechanical data   Mounting data           Mounting method         inserted, screwed           Environmental characteristics   Climatic <th col<="" td=""><td>Electrical data   Supply</td><td></td></th>	<td>Electrical data   Supply</td> <td></td>	Electrical data   Supply	
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 (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 min.         -25 °C	Operating voltage AC	24 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 (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 min.         -25 °C           Operating temperature max.         24 V </td <td>Operating voltage AC min.</td> <td>19,2 V</td>	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 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)         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           Mechanical data   Mounting data           Mounting method         inserted, screwed           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C	Operating voltage AC max.	28,8 V	
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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 min.     -25 °C       Operating temperature max.     85 °C		18 V	
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  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		30 V	
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		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 min.     -25 °C       Operating temperature max.     85 °C		4 A	
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 min.     -25 °C       Operating temperature max.     85 °C	Current consumption max.	12 mA	
Device protection   Electrical  Degree of protection (EN IEC 60529)	Diagnostics		
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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		
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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			
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	Rated surge voltage	0,8 kV	
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	Material group (IEC 60664-1)	I	
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	Additional suppressor	Diode, Z-Diode	
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	Mechanical data   Material data		
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	Coating locking	verzinkt	
Locking material  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C	Color housing	black	
Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C	Material gasket	PUR	
Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C	Locking material	Steel	
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	<b>;</b>	
	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: 2024-05-17



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Important installation notes	
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.
Installation   Cable	
Cable identification	027
Cable Type	2
Printing color of wire insulation	white (isolation black)
acket Color	yellow
ype of Certificate	cURus
Amount stranding	1
Stranding	4 wires twisted
vire arrangement	black 1, black 2, black 3, green-yellow
Cable weigth	74,8 g/m
Material jacket	PUR
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
olerance outer diameter (sheath)	±5%
Material inner jacket	PVC
Color (inner jacket)	yellow
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
ngredient 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 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Electrical function wire	Signal
raversing distance (C-track)	5 m @ 25 °C   horizontal
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	9,6 A
Electrical function wire	Signal
Electrical resistance line constant wire	26 Ω/km @ 20 °C
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Dil resistance	DIN EN 60811-404
Bending radius (fixed)	10 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter
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