

## MSUD double valve A-18mm with cable

PUR 4x0.75 bk UL/CSA+drag ch. 5m

Form A (18 mm) 24 V AC ±20% / DC ±25% LED and suppression Connection cable L = 300 mm Bridged PE without cable sleeves

Further cable lengths on request.

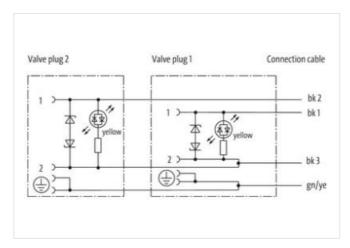
Plastic housings with good resistance against chemicals and oils.

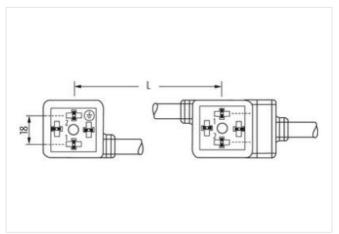
The resistance to aggressive media should be individually tested for your application. Further details on request.

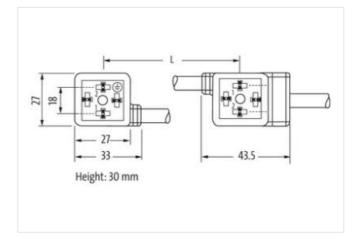
## **Link to Product**

## Illustration









Product may differ from Image

Cable length	5 m
Side 1	
Tightening torque	0,4 Nm
Thread	M3
Material	PBT



stay connected

Tigritening torque 0.4 Mm Tirroad M3 Majoral PTT Commercial data  ECLASS 6.0 27279218 ECLASS 6.1 27279218 ECLASS 6.1 27279218 ECLASS 6.0 27279218 ECLASS 7.0 27279218	Side 2	
Miles		
Material         PBT           Commercial data         Commercial data           ECLASS 6.0         27279218           ECLASS 6.1         27279218           ECLASS 7.0         27299218           ECLASS 8.0         27797618           ECLASS 8.0         27090512           ECLASS 9.1         27090512           ECLASS 9.1         27090512           ECLASS 9.2         27090512           ECLASS 9.1         27090512           ECLASS 9.2         27090512           ECLASS 9.1         27090512           ECLASS 9.0         ECOUTISS           CUBAS 9.1         27090512           ETIMAS.0         ECOUTISS           CUBAS 9.1         27090512           ECLASS 9.1         27090512           Electrical data         27090512           Electrical data 180970         27090512           Electrical data 180970		
Commercial data           ECLASS 8-0         27279218           ECLASS 8-1         27279218           ECLASS 7-0         27279218           ECLASS 8-0         27279218           ECLASS 8-0         2700312           ECLASS 8-10.1         27069312           ECLASS 8-10.1         27069312           ECLASS 8-12.0         27069312           ECLASS 8-10.1         27069312           ECLASS 9-10.1         27069312           ECLASS 9-10.1         10           Electrical Catal         27079312           Electrical data         29.0           Operating voltage AC         24 V           Operating voltage AC max.         29.8 V           Ope		
ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27279218 ECLASS-9.0 27279218 ECLASS-9.0 27090312 ECLASS-10.1 27090312 ECLASS-11.1 27090312 ECLASS-11.1 27090312 ECLASS-11.1 27090312 ETM-5.0 ECO1855 ECLASS-11.1 1 27090312 ETM-5.0 ECO1855 ECLASS-11.1 1 27090312 ETM-5.0 ECO1855 ECLASS-11.1 27090312 ETM-5.0 ECO1855 ECLASS-12.0 ECO1855 ECLASCA-12.0 ECO1855 ECLASCA-12.0 ECO1855 ECLASCA-12.0 ECO1855 ECLASCA-12.0 ECO1855	Material	PBT
EGLASS-6.1 2779018 EGLASS-7.0 2779218 EGLASS-7.0 2779218 EGLASS-9.0 2706312 EGLASS-11 2706312 EGLASS-11 2706312 EGLASS-11 2706312 EGLASS-11 2706312 EGLASS-12.0 2706312 EGLASS-12.0 2706312 EGLASS-12.0 2706312 EGLASS-13.0 1 2706312 EGLASS-14.0 1 2706312 EGLASS-15.0 2706312 EGLASS-10.1 2706312 EGLAS-10.1 2706312 EGLASS-10.1 2706312 EGLASC-10.1 270	Commercial data	
ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060312 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ECLASS-12.0 ECO01855 customs tarif number 85444290 GTIN 4048879130655 Peckaging unit 1  Electrical data  Capacity CX 20 ms Electrical data   Supply  Operating voltage AC max. 28.8 V Operating voltage AC max. 30 V Current operating voltage DC max. 30 V Current operating voltage DC max. 4A Current consumption max. 55 V Current consumption max. 15 mA  Diagnostics  Status indication LED yellow  Device protection   Electrical  Dayres of protection   Electrical  Additional suppressor Didds, 2r Didde  Machanical data  Control top control may be accorded to the control of the cont	ECLASS-6.0	27279218
ECLASS 8.0 27760312 ECLASS 9.0 27060312 ECLASS 1.1 27060312 ECLASS 1.1.1 27060312 ECLASS 1.1.1 27060312 ECLASS 1.2.0 27090312 ETIM 6.0 EC001855 customs tariff number 85446290 GTIN 404879136655 Packaging unit 1 Electrical data Capacity CX 20 ms Electrical data Supply Operating voltage AC 24 V Operating voltage AC 67mx. 28,8 V Operating voltage AC 67mx. 28,8 V Operating voltage AC 70mx. 28,8 V Operating voltage AC 70mx. 28,8 V Operating voltage AC 70mx. 30 V Current consumption max. 30 V Current consumption max. 30 V Current consumption max. 4 A Current consumption max. 15 mA Diagnostics Status indication LED yollow Device protection   Electrical Degree of protection   Electrical	ECLASS-6.1	27279218
ECLASS-9.0 27060312 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 ECONSES customs tariff number 85444290 GTIN 404879136655 Peckaging unit 1  Electrical data Capacity CX 20 ms Electrical data [Supply Operating voltage AC min. 19.2 V Operating voltage AC min. 19.5 V Operating voltage DC max. 20.8 V Operating voltage DC min. 18 V Operating voltage Time. 15 mA  Diagnostics  Status indication LED yellow  Device protection [Electrical  Device protection [E	ECLASS-7.0	27279218
ECLASS-10.1 27060312 ECLASS-11.1 27060312 ETIM-5.0 ECLASS-12.0 1 2006312 ETIM-5.0 ECO01855 Cuations fairff number	ECLASS-8.0	27279218
ECLASS-1.1 27060312 ECLASS-12.0 27060312 ETIM-5.0 EC001855 customs tarff rumber 85444290 OTIN 4048879136655 Packaging unit 1 Electrical data Capacity CX 20 ms Electrical data   Supply Operating voltage AC 24 V Operating voltage AC 32 V Operating voltage AC 33 V Operating voltage AC 34 V Operating voltage AC 35 V Operating voltage AC 34 V Operating voltage AC 35 V Operating voltage AC 36 V Operating temperature max. 45 V Operating temperature ma	ECLASS-9.0	27060312
ECLASS-12.0         27060312           ETIM-5.0         EC001885           usustoms taiff mumber         8544290           GTIN         4048879138655           Packaging unit         1           Electrical data         Electrical data           Opparating voltage AC         20 ms           Electrical data   Supply         V           Operating voltage AC max.         28.8 V           Operating voltage AC max.         28.8 V           Operating voltage DC max.         30 V           Operating voltage DC min.         18 V           Operating voltage per contact max.         30 V           Cut-of type acting per contact max.         4 A           Current operating per contact max.         4 A           Current operating per contact max.         4 A           Understood to Electrical         yellow           Device protection [Electrical         yellow           Device protection [Electrical         yellow           Device protection [Electrical         yellow           Device protection [Electrical operate inserted, screwed           Pollulion Degree         3           Rated surge voltage         0.8 kV           Malerial goup (EC 60664-1)         1           Additional suspr	ECLASS-10.1	27060312
ETIM-5.0 EC001855 customs fariff number 85444290 GTIN 404887918655 Packaging unit 1  Electrical data  Electrical data  Electrical data   Supply  Operating voltage AC 24 V  Operating voltage AC min. 19.2 V  Operating voltage AC min. 19.2 V  Operating voltage AC min. 19.2 V  Operating voltage DC 24 V  Operating voltage DC min. 18 V  Operating voltage DC min. 19 V  A A  Current consumption max. 55 V  Current operating per contact max. 4 A  A Current consumption max. 15 mA  Diagnostics  Status indication LED  Degree of protection [Electrical  Degree of protection [Electrical  Degree of protection [Electrical  Degree of protection (Electrical  Degree of protection (Electrical  Degree of protection (Electrical  Degree of protection degree inserted, screwed  Polition Degree a S  Rated surge voltage AC  Os & kV  Material group (EC 60664-1) I  Octor, zo Contrologous voltage AC  Mechanical data [Material data  Contour for corrugated hose without  Mechanical data [Material data  Contour for corrugated hose without  Mechanical data [Material data  Contour for corrugated hose without  Mechanical data [Material data  Contour for corrugated hose without  Mechanical data [Material data  Contour for corrugated hose without  Mechanical data [Material data  Contour for corrugated hose without  Mechanical data [Material data  Contour for corrugated hose without  Mechanical data [Material data  Contour for min. 18 X voltage in min. 18	ECLASS-11.1	27060312
customs tariff number         85444290           GTIN         4048879136655           Packaging unit         1           Electrical data         Capacity CX           Capacity CX         20 ms           Electrical data   Supply         Supply           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           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           Status indication LED         yellow           Device protection [Electrical         Vellow           Degree of protection (EN IEC 68629)         IP67           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0.8 kV           Material group (IEC 69664-1)         I           Additional suppressor         Diode, Z-Diode	ECLASS-12.0	27060312
CITIN         40488791368655           Packaging unit         1           Electrical data         Capacity CX         20 ms           Electrical data   Supply         V           Operating voltage AC         24 V         V           Operating voltage AC main.         19.2 V         V           Operating voltage AC main.         19.2 V         V           Operating voltage AC main.         28.8 V         V           Operating voltage DC main.         18 V         V           Operating voltage DC main.         30 V         V           Cut-off peak voltage max.         55 V         V           Current consumption max.         15 mA         V           Diagnostics           Status indication LED         yellow         PURIOR           Degree of protection   Electrical           Degree of protection   Electrical           Degree of protection   Electrical         PR7           Additional condition protection degree         3           Related surge voltage         0.8 kV           Malarial group (IEC 6064-1)         1           Additional suppressor         Diode, 2-Diode           Mechanical data   Material data         Mechanical data   Material data	ETIM-5.0	EC001855
Packaging unit         1           Electrical data           Electrical data   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.         18 V           Operating voltage DC max.         30 V           Culfor 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         5 mA           Description (EN IEC 60529)         yellow           Device protection   Electrical           P67           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Raled surge voltage         0.8 kV           Material group (IEC 50664-1)         I           Additional surpressor         Diode, Z-Diode           Mechanical data   Material data         without           Mechanical data   Material data         Verzinkt           Color housing	customs tariff number	
Electrical data   Supply           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 consumption max.         15 mA           Despects           Status indication LED           Despector protection [Electrical           Despector protection (EN IEC 60529)         IP67           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 606641)         1           Additional condition protection degree         inserted, screwed           Mechanical data         without           Mechanical data [Material gasket         without           Mechanical data [Material gasket         PUR           Locking material         steel           Mechanical data [Mou	GTIN	4048879136655
Capacity CX         20 ms           Electrical data   Supply           Operating voltage AC         24 V           Operating voltage AC max.         28,8 V           Operating voltage DC max.         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 operating per contact max.         4 A           Current operating per potention (ED PC)         Voltow           Date position         1 P67           Additional Condition protection (EN IEC 60529)         IP67           Additional condition protection degree         inserted, serewed           Pollution Degree         3           Reted surge voltage         0,8 kV           Material group (IEC 60684-1)         1           Additional suppressor         biode, 2-Diode           Mechanical data   Material data         Mechanical data   Material data           Conting looking         verzinkt           Color housing         black           Material gasket         PUR           Locking material         See	Packaging unit	1
Electrical data   Supply           Operating voltage AC         24 V           Operating voltage AC min.         19.2 V           Operating voltage AC max.         28.8 V           Operating voltage DC         24 V           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Cul-off peak voltage max.         55 V           Current operating per contact max.         4 A           Current consumption max.         15 mA           Diagnostics           Status indication LED           yellow           Degree of 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           Contour for corrugated hose         without           Mechanical data   Material data           Coeling locking         verzinkt           Co	Electrical data	
Electrical data   Supply           Operating voltage AC         24 V           Operating voltage AC min.         19.2 V           Operating voltage AC max.         28.8 V           Operating voltage DC         24 V           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Cul-off peak voltage max.         55 V           Current operating per contact max.         4 A           Current consumption max.         15 mA           Diagnostics           Status indication LED           yellow           Degree of 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           Contour for corrugated hose         without           Mechanical data   Material data           Coeling locking         verzinkt           Co	Capacity CX	20 ms
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           Cut-off peak voltage max.         4 A           Current consumption max.         15 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 60684-1)         I           Additional surpressor         Diode, 2-Diode           Mechanical data           Mechanical data [Material data           Conting locking         verzinkt           Color housing         black           Mechanical data [Mounting data           Mechanical data [Mounting data		
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.         15 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           Mechanical data   Material data           Color housing         black           Mechanical data   Material gasket         PUR           Locking material         Steel           Mechanical data   Mounting data		

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: 2024-05-18



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	<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	637
Cable Type	3
Printing color of wire insulation	white (isolation black)
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires twisted
wire arrangement	black 1, black 2, black 3, green-yellow
Cable weigth	69,3 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket) Folerance outer diameter (sheath)	6,5 mm ± 5 %
· , ,	PP
Material wire insulation	4
Amount wires	
Outer diameter insulation	1,85 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	70 ± 5 Shore D
ngredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Printing color of wire insulation	white (isolation black)
Amount strands (wire)	42
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,75 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Γraversing distance (C-track)	10 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 resistance line constant wire	26 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - acket)	2,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
JV 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
Dil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Fravel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Forsion stress	± 180 °/m
Forsion speed	35 cycles/min