

## MSUD double valve A-18mm with cable

PUR 4x0.75 ye UL/CSA+drag ch. 3m

Art.No.: 7000-58081-0370300

Weight: 0.271 Country of origin: CZ

Model designation: MSKL3-036\_300-KL3-037\_3.0

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.

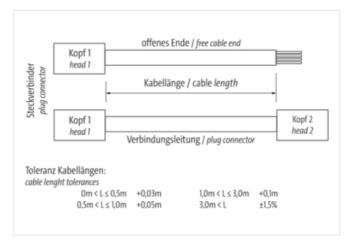
Plastic housings with good resistance against chemicals and oils.

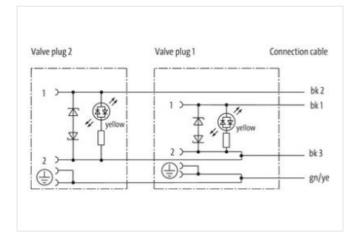
The resistance to aggressive media should be individually tested for your application. Further details on request.

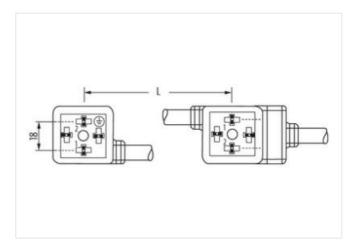
## **Link to Product**

## Illustration



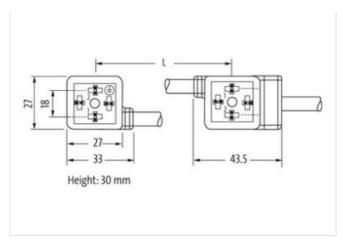








stay connected



Product may differ from Image

Thread M3 Material PBT  Side 2  Tightening torque 0.4 Nm  Thread M3 Material PBT  Commercial data  ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27060312 ECLASS-1.1 1 27060312 ECLASS-1.1 1 27060312 ETIM-5.0 ECO01855 customs tariff number 85444290 customs tariff number 85444290  RAN 4048879611411 EAN 4048879611411 EAN 4048879611411 EAN 4048879611411 EAN 4048879611411 EAN 4048879611411 EAN 4048879611411 Electrical data  Drop-out delay time max. 20 ms  Electrical data   Supply  Operating voltage AC max. 28.8 V  Operating voltage AC min. 19.2 V  Operating voltage AC min. 19.0 V  Operating voltage AC min. 19.0 V  Operating voltage AC min. 19.0 V  Operating voltage AC min. 30 V  Operating voltage DC min. 30 V  Operating voltage BC min. 30 V  Operating voltage Rax. 55 V	Cable length	3 m
Thread M3 Material PBT  Side 2  Tightening torque 0.4 Nm  Thread M3 Material PBT  Commercial data  ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27060312 ECLASS-1.1 1 27060312 ECLASS-1.1 1 27060312 ETIM-5.0 ECO01855 customs tariff number 85444290 customs tariff number 85444290  RAN 4048879611411 EAN 4048879611411 EAN 4048879611411 EAN 4048879611411 EAN 4048879611411 EAN 4048879611411 EAN 4048879611411 Electrical data  Drop-out delay time max. 20 ms  Electrical data   Supply  Operating voltage AC max. 28.8 V  Operating voltage AC min. 19.2 V  Operating voltage AC min. 19.0 V  Operating voltage AC min. 19.0 V  Operating voltage AC min. 19.0 V  Operating voltage AC min. 30 V  Operating voltage DC min. 30 V  Operating voltage BC min. 30 V  Operating voltage Rax. 55 V	Side 1	
Material         PBT           Side 2         Tightening torque         0.4 Nm           Thread         M3           Material         PBT           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060312           ECLASS-9.0         27060312           ECLASS-9.1.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ETIM-5.0         ECO1855           customs tariff number         8544290           customs tariff number         8544290           EAN         4048879611411           EAN         4048879611411           EAN         4048879611411           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 AC min.         19.2 V           Operating voltage DC min.         18 V	Tightening torque	0,4 Nm
Side 2           Tightening torque         0,4 Nm           Thread         M3           Material         PBT           Commercial date         Commercial date           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060312           ECLASS-1.1         27060312           ECLASS-1.1.1         27060312           ECLASS-12.0         27060312           ECLASS-12.0         27060312           ETIM-5.0         EC001855           customs tariff number         85444290           customs tariff number         85444290           EAN         4048879611411           EAN         4048879611411           EAN         4048879611411           EAN         4048879611411           Packaging unit         1           Electrical data         Supply           Operating voltage AC max.         20 ms           Electrical data   Supply           Operating voltage AC min.         19.2 V           Operating voltage DC min.         18 V           Operating voltage DC min. <td< td=""><td>Thread</td><td>M3</td></td<>	Thread	M3
Tightening torque 0.4 Nm  Thread M3  Material PBT  Commercial data  ECLASS-6.0 27279218  ECLASS-6.1 27279218  ECLASS-7.0 27279218  ECLASS-8.0 27279218  ECLASS-9.0 27060312  ECLASS-1.1 27060312  ECLASS-10.1 10  ECLAS-10  ECLASS-10  ECLAS-10  ECLAS	Material	PBT
Thread	Side 2	
Material         PBT           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060312           ECLASS-1.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ETIM-5.0         EC01855           customs tariff number         85444290           customs tariff number         85444290           EAN         4048879611411           EAN         4048879611411           Packaging unit         1           Electrical data         Drop-out delay time max.           Drop-out delay time max.         20 ms           Electrical data   Supply         Supply           Operating voltage AC min.         19,2 V           Operating voltage AC max.         28,8 V           Operating voltage DC min.         18 V           Operating voltage DC min.         30 V           Cut-off peak voltage max.         55 V	Tightening torque	0,4 Nm
Commercial data	Thread	M3
ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060312 ECLASS-9.0 27060312 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ETIM-5.0 EC001855 customs tariff number 85444290 customs tariff number 85444290 EAN 4048879611411 EAN 4048879611411 EAN 4048879611411 EAN 4048879611411 Drop-out delay time max. 20 ms  Electrical data Drop-out delay time max. 20 ms  Electrical data   Supply 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 min. 18 V Operating voltage max. 55 V	Material	PBT
ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060312 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ETIM-5.0 ECUBSS-5 customs tariff number 85444290 customs tariff number 85444290 EAN 4048879611411 EAN 4048879611411 Packaging unit 1 Packaging unit 1 Packaging unit 1 Electrical data Drop-out delay time max. 20 ms  Electrical data   Supply  Operating voltage AC min. 19,2 V Operating voltage AC max. 28,8 V Operating voltage DC max. 30 V Cut-off peak voltage max. 55 V	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           ETIM-5.0         EC01855           customs tariff number         85444290           customs tariff number         85444290           EAN         4048879611411           EAN         4048879611411           Packaging unit         1           Electrical data         Use of the state of	ECLASS-6.0	27279218
ECLASS-8.0 27279218  ECLASS-9.0 27060312  ECLASS-10.1 27060312  ECLASS-11.1 27060312  ECLASS-12.0 277060312  ETIM-5.0 ECO01855  customs tariff number 85444290  customs tariff number 85444290  EAN 4048879611411  EAN 4048879611411  EAN 4048879611411  EAN 4048879611411  Packaging unit 1  Electrical data  Drop-out delay time max. 20 ms  Electrical data   Supply  Operating voltage AC 24 V  Operating voltage AC max. 28.8 V  Operating voltage DC max. 30 V  Cut-off peak voltage max. 55 V	ECLASS-6.1	27279218
ECLASS-9.0 27060312 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ETIM-5.0 EC001855 customs tariff number 85444290 customs tariff number 85444290 EAN 4048879611411 EAN 4048879611411 Packaging unit 1 Packaging unit 1 Prop-out delay time max. 20 ms  Electrical data   Supply  Operating voltage AC mix. 19,2 V Operating voltage AC max. 28,8 V Operating voltage DC mix. 18 V Operating voltage DC mix. 30 V Cut-off peak voltage DC max. 55 V	ECLASS-7.0	27279218
ECLASS-10.1 27060312  ECLASS-11.1 27060312  ECLASS-12.0 27060312  ETIM-5.0 EC001855 customs tariff number 85444290 customs tariff number 85444290  EAN 4048879611411  EAN 4048879611411  Packaging unit 1 Packaging unit 1 Packaging unit 1  Electrical data  Drop-out delay time max. 20 ms  Electrical data   Supply  Operating voltage AC ini. 19,2 V  Operating voltage AC max. 28,8 V  Operating voltage DC max. 30 V  Cut-off peak voltage DC max. 30 V  Cut-off peak voltage DC max. 55 V	ECLASS-8.0	27279218
ECLASS-11.1       27060312         ECLASS-12.0       27060312         ETIM-5.0       EC001855         customs tariff number       85444290         customs tariff number       85444290         EAN       4048879611411         EAN       4048879611411         Packaging unit       1         Packaging unit       1         Electrical data         Drop-out delay time max.       20 ms         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	ECLASS-9.0	27060312
ECLASS-12.0 27060312  ETIM-5.0 EC001855 customs tariff number 85444290 customs tariff number 85444290  EAN 4048879611411  EAN 4048879611411  Packaging unit 1  Packaging unit 1  Electrical data  Drop-out delay time max. 20 ms  Electrical data   Supply  Operating voltage AC 24 V  Operating voltage AC max. 28,8 V  Operating voltage DC max. 30 V  Cut-off peak voltage max. 30 V  Cut-off peak voltage max. 55 V	ECLASS-10.1	27060312
ETIM-5.0 EC001855 customs tariff number 85444290 customs tariff number 85444290 EAN 4048879611411 EAN 4048879611411 Packaging unit 1 Packaging unit 1 Packaging unit 1 Pectrical data Drop-out delay time max. 20 ms  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	ECLASS-11.1	27060312
customs tariff number         85444290           customs tariff number         85444290           EAN         4048879611411           EAN         4048879611411           Packaging unit         1           Packaging unit         1           Electrical data         Drop-out delay time max.           Drop-out delay time max.         20 ms           Electrical data   Supply         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	ECLASS-12.0	27060312
EAN 4048879611411  EAN 4048879611411  EAN 4048879611411  Packaging unit 1  Fectrical data  Drop-out delay time max. 20 ms  Fectrical data   Supply  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. 30 V  Cut-off peak voltage max. 55 V	ETIM-5.0	EC001855
EAN 4048879611411  EAN 4048879611411  Packaging unit 1  Packaging unit 1  Electrical data  Drop-out delay time max. 20 ms  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 max. 24 V  Operating voltage DC min. 18 V  Operating voltage DC max. 30 V  Cut-off peak voltage max. 55 V	customs tariff number	85444290
EAN 4048879611411 Packaging unit 1 Packaging unit 1  Electrical data Drop-out delay time max. 20 ms  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 34 V Operating voltage DC 35 V Operating voltage DC min. 18 V Operating voltage DC max. 30 V Cut-off peak voltage max. 55 V	customs tariff number	85444290
Packaging unit 1 Packaging unit 1  Electrical data Drop-out delay time max. 20 ms  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 34 V Operating voltage DC 35 V Operating voltage DC min. 18 V Operating voltage DC max. 30 V Cut-off peak voltage max. 55 V	EAN	4048879611411
Packaging unit 1  Electrical data Drop-out delay time max. 20 ms  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 ini. 18 V  Operating voltage DC max. 30 V  Cut-off peak voltage max. 55 V	EAN	4048879611411
Electrical data  Drop-out delay time max.  Electrical data   Supply  Operating voltage AC  Operating voltage AC min.  Operating voltage AC max.  Operating voltage AC max.  Operating voltage DC  Operating voltage DC  Operating voltage DC min.  18 V  Operating voltage DC max.  Operating voltage DC max.  Operating voltage DC max.  So V	Packaging unit	1
Drop-out delay time max. 20 ms  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 34 V  Operating voltage DC min. 18 V  Operating voltage DC max. 30 V  Cut-off peak voltage max. 55 V	Packaging unit	1
Coperating voltage AC 24 V Coperating voltage AC min. 19,2 V Coperating voltage AC max. 28,8 V Coperating voltage DC 24 V Coperating voltage DC 34 V Coperating voltage DC min. 18 V Coperating voltage DC max. 30 V Cut-off peak voltage max. 55 V	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 inin. 18 V Operating voltage DC max. 30 V Cut-off peak voltage max. 55 V	Drop-out delay time max.	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	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	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	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	Operating voltage AC max.	28,8 V
Operating voltage DC max. 30 V Cut-off peak voltage max. 55 V	Operating voltage DC	
Cut-off peak voltage max. 55 V	Operating voltage DC min.	18 V
·	Operating voltage DC max.	
Current operating per contact max. 4 A	Cut-off peak voltage max.	55 V
	Current operating per contact max.	4 A



stay connected

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)	
Additional suppressor	Diode, Z-Diode
Mechanical data	
Contour for corrugated hose	without
Mechanical data   Material data	
Color housing	black
Coating locking	galvanized
Material gasket	PUR
Locking material	Steel
Mechanical data   Mounting data	
	incerted coround
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
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	
wire arrangement	black 1, black 2, black 3, green-yellow
Cable identification	037
Cable Type	3
Printing color of wire insulation	white (isolation black)
Jacket Color	yellow
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)	6,5 mm
Tolerance outer diameter (sheath)	0,5 mm
	± 5 %
Material wire insulation	
	±5%
Material wire insulation	± 5 % PP
Material wire insulation  Amount wires	± 5 % PP 4
Material wire insulation  Amount wires  Outer diameter insulation	± 5 % PP 4 1,85 mm
Material wire insulation  Amount wires  Outer diameter insulation  Outer diameter tolerance core insulation	± 5 %  PP  4  1,85 mm  ± 5 %
Material wire insulation  Amount wires  Outer diameter insulation  Outer diameter tolerance core insulation  Shore hardness wire insulation	± 5 % PP 4 1,85 mm ± 5 % 70 ± 5 Shore D



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
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 - jacket)	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
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
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	10 m @ 25 °C   horizontal
Travel speed (C-track)	3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min