

**MSUD valve plug A-18mm with cable**

PUR 3x0.75 bk UL/CSA+drag ch. 10m

Art.No.: 7000-18001-6361000

Weight: 0.547

Country of origin: CZ

Model designation: MSUDK-AB1L-636\_10.0

Form A (18 mm)

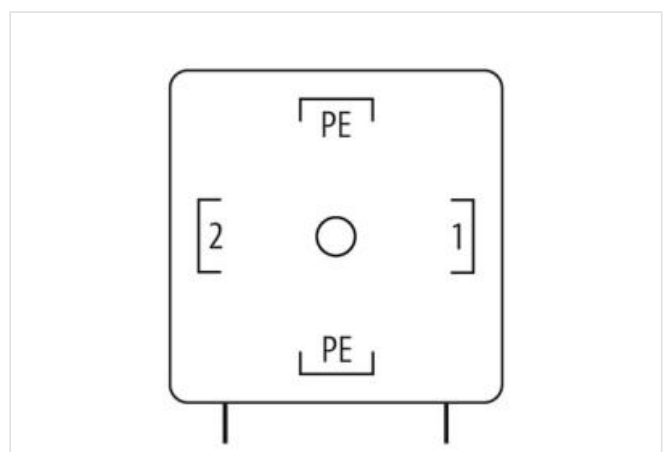
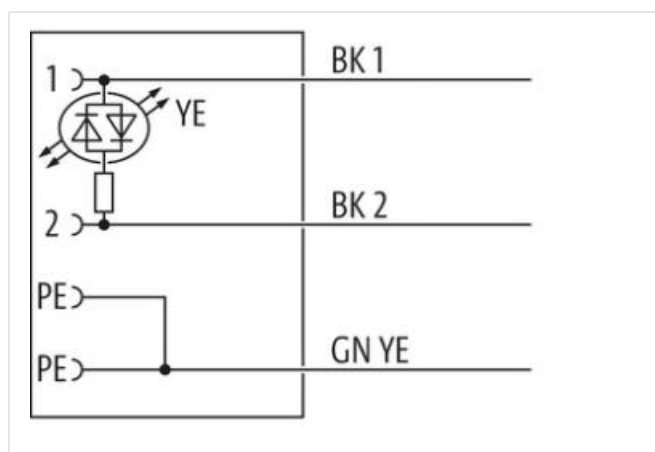
24 V AC/DC  $\pm 25\%$ 

LED

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	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Family construction form	MSUD A
Thread	M3
Material	PBT
Degree of protection (EN IEC 60529)	IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
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	4048879194624
EAN	4048879194624
Packaging unit	1
Packaging unit	1
Electrical data   Supply	
Operating voltage AC	24 V
Operating voltage AC min.	18 V
Operating voltage AC max.	30 V
Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Current operating per contact max.	4 A
Diagnostics	

Status indication LED                      yellow

#### Installation | Connection

Mounting set                                  M3

#### Device protection | Electrical

Additional condition protection degree      inserted, screwed  
 Pollution Degree                                  3  
 Rated surge voltage                              0,8 kV  
 Material group (IEC 60664-1)                  I

#### Mechanical data | Material data

Color housing                                      black  
 Coating locking                                    galvanized  
 Coating of fitting                                  galvanized  
 Locking material                                   Steel  
 Material screw connection                    Steel

#### Mechanical data | Mounting data

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                        **Attention:** 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, green-yellow  
 Cable identification                              636  
 Cable Type    3  
 Printing color of wire insulation              white (isolation black)  
 Jacket Color                                        black  
 Type of Certificate                                cURus  
 Amount stranding                                1  
 Stranding    3 wires twisted  
 wire arrangement                                black 1, black 2, green-yellow  
 Cable weight                                       56,1 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)                        5,9 mm  
 Tolerance outer diameter (sheath)           ± 5 %  
 Material wire insulation                        PP  
 Amount wires                                      3  
 Outer diameter insulation                       1,85 mm  
 Outer diameter tolerance core insulation    ± 5 %  
 Shore hardness wire insulation               70 ± 5 Shore D  
 Ingredient 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 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	12 A
Electrical resistance line constant wire	26 $\Omega$ /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
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
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	$\pm 180$ °/m
Torsion speed	35 cycles/min