

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

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

Art.No.: 7000-18001-2360300

Weight: 0.19

Country of origin: CZ

Model designation: MSUDK-AB1L-236\_3.0

Form A (18 mm)

24 V AC/DC ±25%

LED

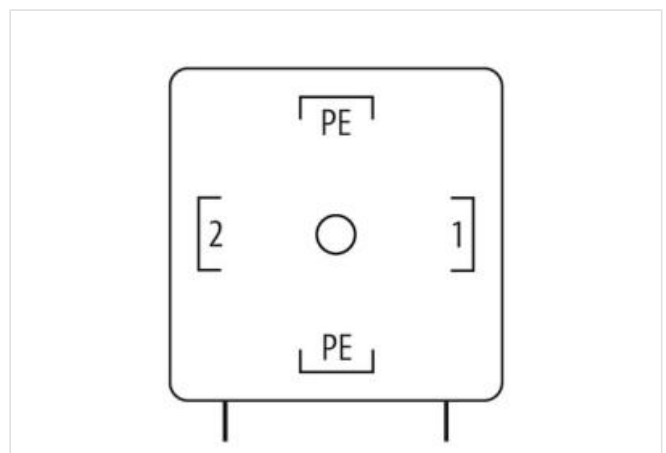
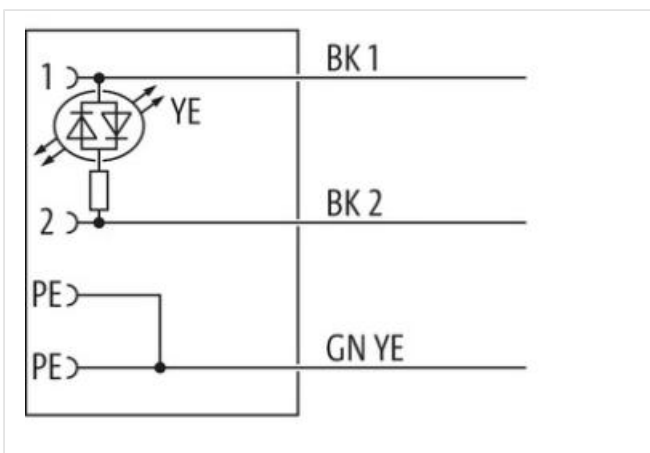
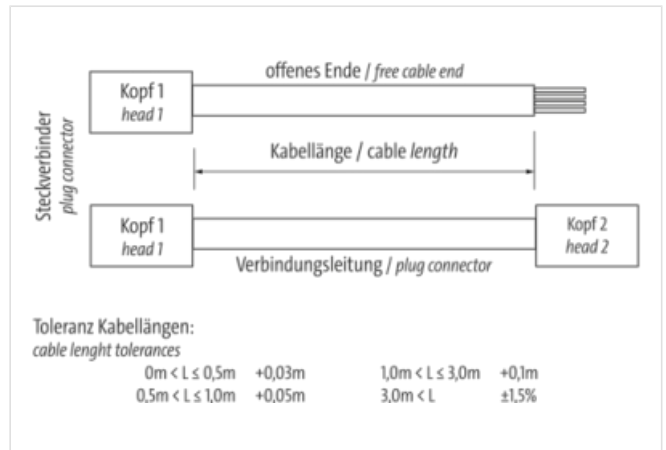
Further cable lengths on request.

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 3 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      |
| GTIN                  | 4048879194914 |
| GTIN                  | 4048879194914 |
| 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**

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: 2025-04-09

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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 236  
 Cable Type 3  
 Printing color of wire insulation white (isolation black)  
 Jacket Color gray  
 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 mm<sup>2</sup>  
 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                    |
| Flame resistance                                  | UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  |
| 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                                    | $\pm$ 180 °/m  |
| Torsion speed                                     | 35 cycles/min  |