

**MSUD valve plug CI-9.4mm with cable**

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

Art.No.: 7000-94001-0361000

Weight: 0.528 kg

Country of origin: CZ

Model designation: MSUDK-QB1L-036\_10.0

**MSUD**

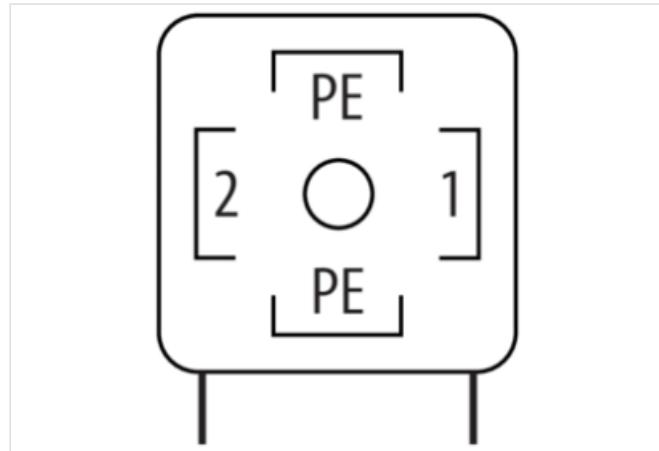
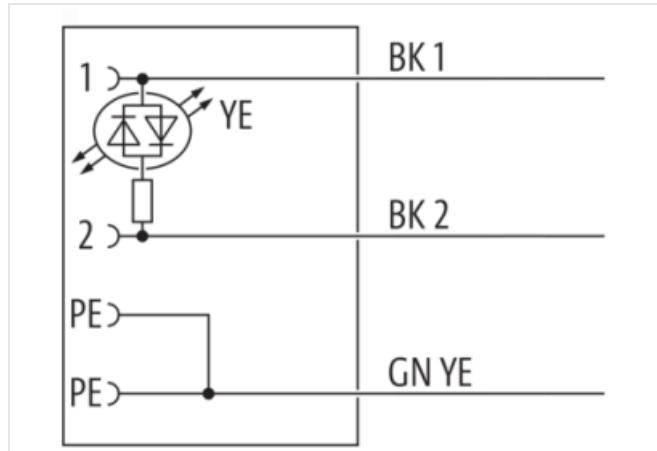
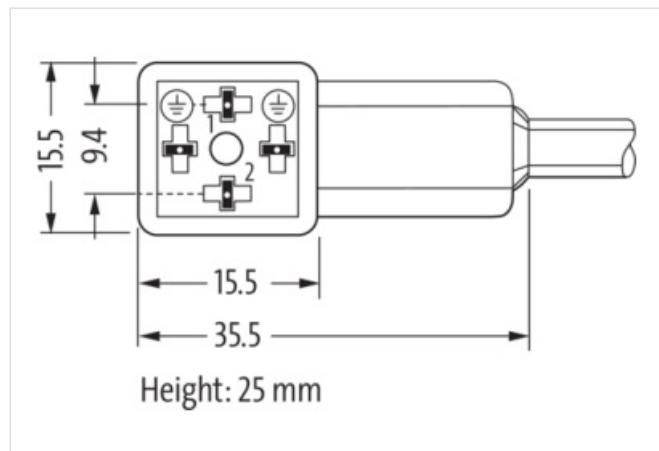
Form CI (9.4 mm)

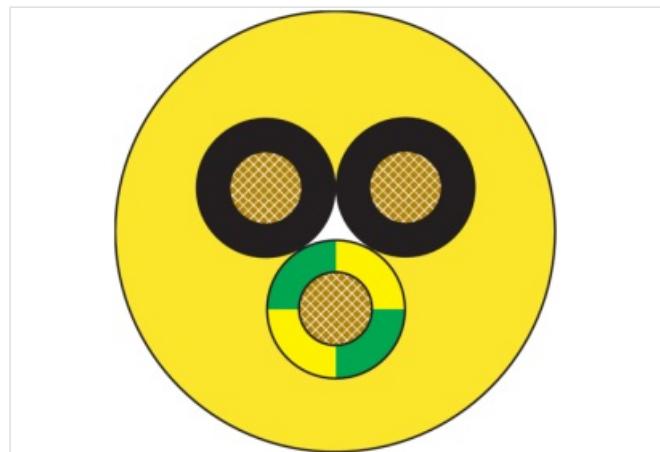
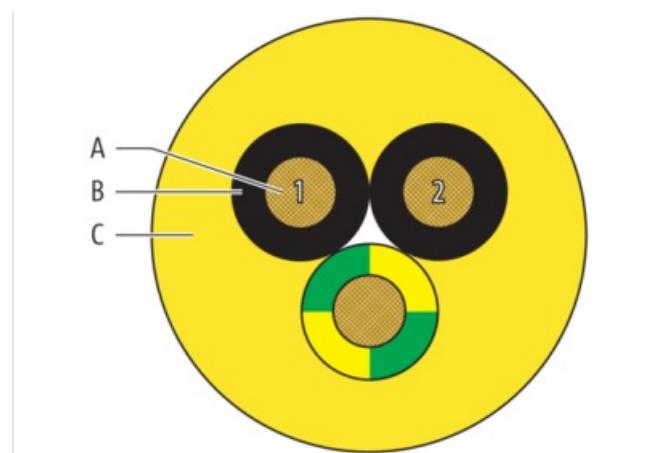
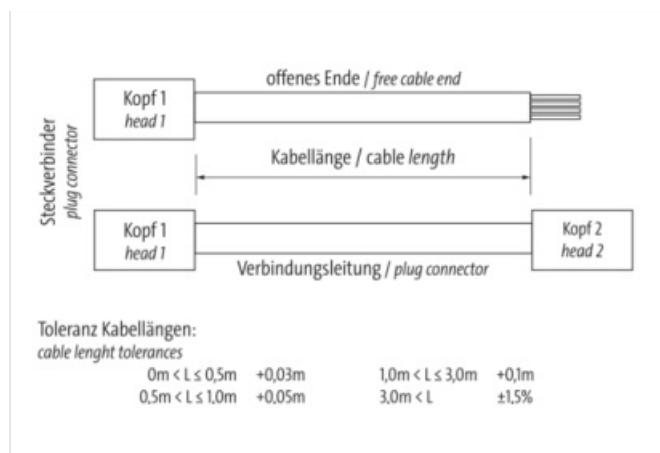
 24 V AC/DC  $\pm 25\%$ 
**LED**

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



#### Header

Material short text MSUDK-QB1L-036\_10.0

Cable length 10,00 m

#### Side 1

Family construction form Valve connector form CI

No. of poles 4

Mounting method inserted, screwed

Threaded hole M3x31

Tightening torque 0,4 Nm

Material PBT

Degree of protection (EN IEC 60529) IP67

#### Commercial data

URL Webshop <https://shop.murrelektronik.com/7000-94001-0361000>

GTIN 4065909099605

ECLASS-6.0 27061801

customs tariff number 85444290

EAN 4065909099605

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  |

**Device protection | Electrical**

|  |                   |
|--|-------------------|
| Degree of protection (EN IEC 60529)    | IP67              |
| Additional condition protection degree | inserted, screwed |
| Pollution Degree                       | 3                 |
| Additional suppressor                  | LED               |
| Rated surge voltage                    | 0,8 kV            |
| Material group (IEC 60664-1)           | I                 |

**Mechanical data | Material data**

|                  |         |
|------------------|---------|
| Material housing | Plastic |
| Color housing    | black   |

**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 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. |
| Note on strain relief  | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.   |

**Installation | Cable**

|  |  |
|--|--|
| Cable identification                     | 036  |
| Cable Type                               | 3  |
| Amount stranding                         | 1  |
| Stranding                                | 1 x 3 wires stranded   |
| Cable weight                             | 51 g/m   |
| Material wire insulation                 | PP   |
| Amount wires                             | 3  |
| Outer diameter insulation                | 1,85 mm  |
| Outer diameter tolerance core insulation | ± 0,1 mm   |
| 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   |
| Outer-diameter (jacket)                  | 5,9 mm   |
| Tolerance outer diameter (sheath)        | ± 5 %  |
| Material jacket                          | PUR  |
| Shore hardness jacket                    | 90 5 Shore A   |
| Freedom from ingredients (jacket)        | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Material property (jacket)               | abrasion-resistant, low adhesion, good machinability, matte    |

|   |   |
|---|---|
| Conductor resistance (wire)             | 26 Ω/km @ 20 °C   |
| Nominal voltage max.                    | 300 V   |
| Withstand voltage (wire - wire)         | 2.5 kV @ 60 s   |
| Withstand voltage (wire - jacket)       | 2.5 kV @ 60 s   |
| Current load capacity (standard)        | to DIN VDE 0298-4   |
| Current load capacity max. (wire)       | 12 A  |
| Operating temperature min. (static)     | -40 °C  |
| Operating temperature max. (static)     | 80 °C / 90 °C @ 10000 h Operation   |
| Operating temperature min. (dynamic)    | -25 °C  |
| Operating temperature max. (dynamic)    | 80 °C / 90 °C @ 10000 h Operation   |
| Operating temperature min. (drag chain) | -25 °C  |
| Operating temperature max. (drag chain) | 80 °C / 90 °C @ 10000 h Operation   |
| Flame resistance                        | UL 1581 § 1090, CSA FT2, IEC 60332-2-2                                      |
| Oil resistance                          | IEC 60811-404   |
| Chemical resistance                     | good  |
| Other resistances                       | good resistance to gasoline, resistant to hydrolysis, resistant to microbes |
| Bending radius (fixed)                  | 5 × Outer diameter  |
| Bending radius (dynamic)                | 10 × 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   |
| Acceleration (C-track)                  | 10 m/s <sup>2</sup> @ 25 °C   |
| No. of torsion cycles                   | 2 Mio.  |
| Torsion stress                          | 180 °/m   |
| Torsion speed                           | 35 cycles/min   |