

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

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

Art.No.: 7000-94061-6360300

Weight: 0.171 kg

Country of origin: CZ

Model designation: MSUDK-QB5K-636\_3.0

MSUD

Form CI (9.4 mm)

0...230 V AC/DC

without components

3-pole

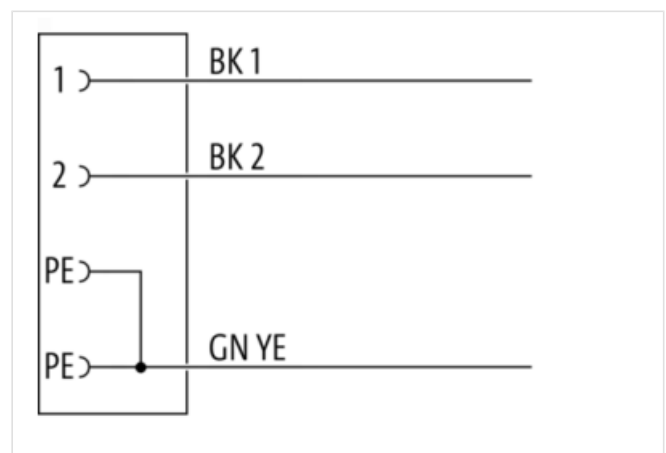
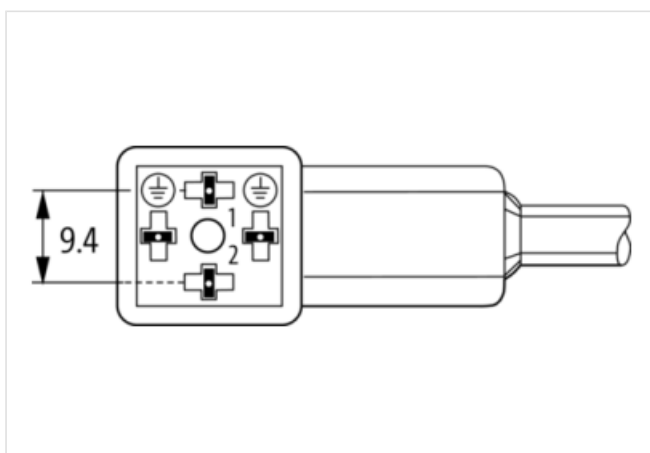
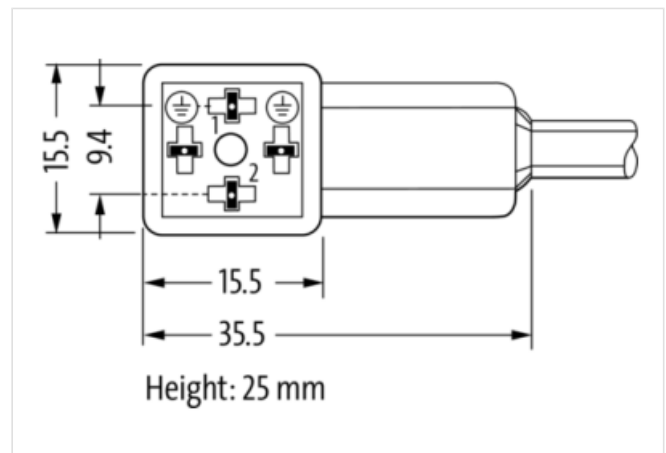
Bridged PE

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 3,00 m

**Side 1**

Threaded hole M3x31  
Tightening torque 0,4 Nm

**Commercial data**

|                       |   |
|-----------------------|---|
| URL Webshop           | <a href="https://shop.murrelektronik.com/7000-94061-6360300">https://shop.murrelektronik.com/7000-94061-6360300</a> |
| GTIN                  | 4048879414135   |
| ECLASS-6.0            | 27279218  |
| ECLASS-6.1            | 27279218  |
| ECLASS-7.0            | 27279218  |
| ECLASS-7.1            | 27279218  |
| ECLASS-8.0            | 27279218  |
| ECLASS-8.1            | 27279218  |
| ECLASS-9.0            | 27060312  |
| ECLASS-9.1            | 27060312  |
| ECLASS-10.0.1         | 27060312  |
| ECLASS-10.1           | 27060312  |
| ECLASS-11.0           | 27060312  |
| ECLASS-11.1           | 27060312  |
| ECLASS-12.0           | 27060312  |
| ECLASS-13.0           | 27060312  |
| ECLASS-14.0           | 27060312  |
| ETIM-5.0              | EC001855  |
| ETIM-6.0              | EC001855  |
| ETIM-7.0              | EC001855  |
| ETIM-8.0              | EC001855  |
| customs tariff number | 85444290  |
| EAN                   | 4048879414135   |
| Packaging unit        | 1   |

**Electrical data | Supply**

Operating voltage AC max. 230 V  
Operating voltage DC max. 230 V

Current operating per contact max. 6 A

#### Device protection | Electrical

|  |                   |
|--|-------------------|
| Degree of protection (EN IEC 60529)    | IP67              |
| Additional condition protection degree | inserted, screwed |
| Pollution Degree                       | 2                 |
| Rated surge voltage                    | 2,5 kV            |
| Material group (IEC 60664-1)           | II                |

#### Mechanical data

Contour for corrugated hose without

#### Mechanical data | Material data

|                  |            |
|------------------|------------|
| housing          | PBT        |
| Color housing    | black      |
| Locking material | Steel      |
| Coating locking  | galvanized |
| Gasket           | PUR        |

#### 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.   |
| Note on mounting       | The valve plug may only be plugged in or unplugged when the power is off!   |

#### Installation | Cable

|  |  |
|--|--|
| Cable identification                     | 636  |
| Cable Type                               | 3  |
| Stranding                                | 1 × 3 wires stranded   |
| Wire arrangement                         | black 1, black 2, green-yellow                                 |
| 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   |
| Conductor crosssection (wire)            | 0,75 mm <sup>2</sup>   |
| Material conductor wire                  | Stranded copper wire, bare                                     |
| Amount strands (wire)                    | 42   |
| Diameter of single wires                 | 0,15 mm  |
| Printing color of wire insulation        | white (isolation black)  |
| Ingredient freeness wire insulation      | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| 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 max. (wire)       | 12 A  |
| Current load capacity (standard)        | to DIN VDE 0298-4   |
| Operating temperature min. (static)     | -40 °C  |
| Operating temperature (static)          | 80 °C / 90 °C @ 10000 h Operation   |
| Operating temperature min. (dynamic)    | -25 °C  |
| Operating temperature (dynamic)         | 80 °C / 90 °C @ 10000 h Operation   |
| Operating temperature min. (drag chain) | -25 °C  |
| Operating temperature (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   |