

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

PVC 3x0.75 gy 10m

Art.No.: 7000-94061-2161000

Weight: 0.598 kg

Country of origin: CZ

Model designation: MSUDK-QB5K-216\_10.0

MSUD

Form CI (9.4 mm)

0...230 V AC/DC

without components

3-pole

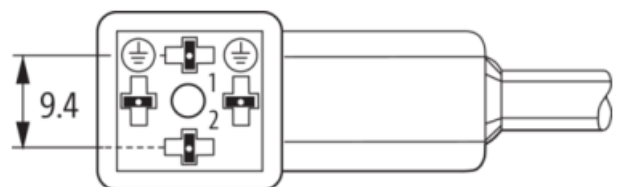
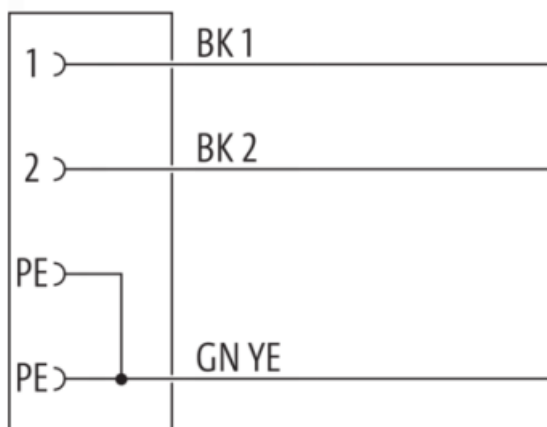
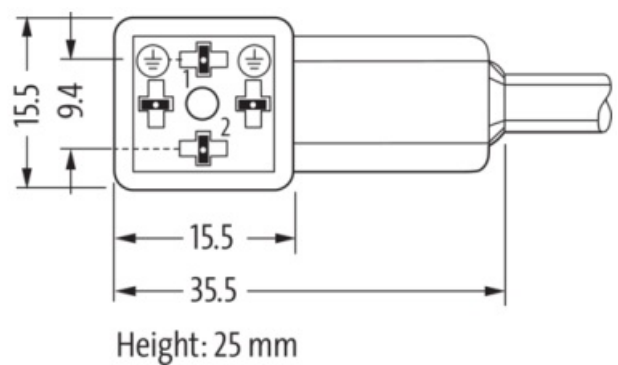
Bridged PE

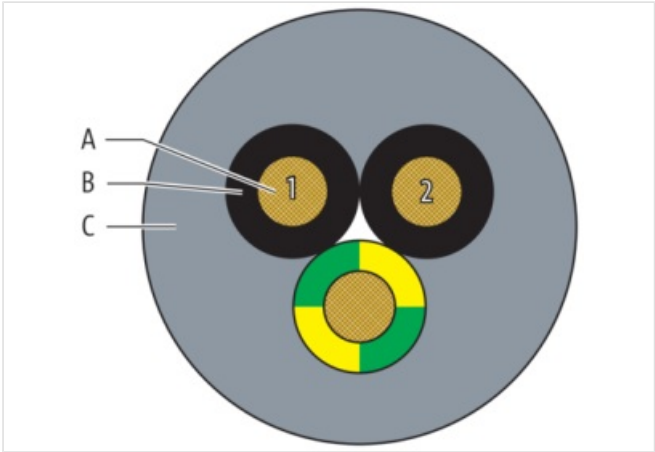
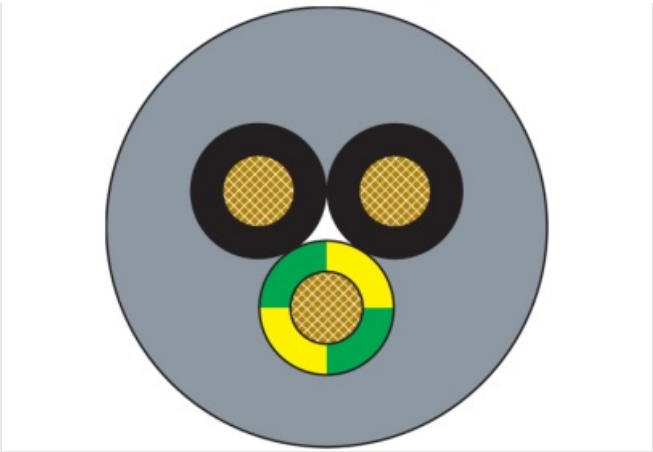
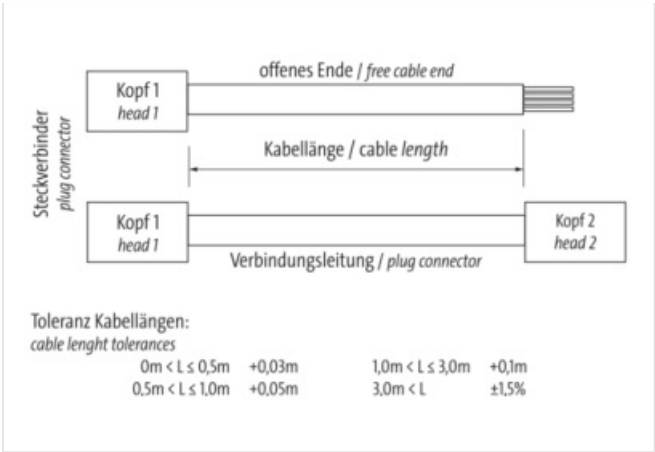
without cable sleeves

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



| Header              |                                                                                                                     |
|---------------------|---------------------------------------------------------------------------------------------------------------------|
| Material short text | MSUDK-QB5K-216_10.0                                                                                                 |
| Cable length        | 10,00 m                                                                                                             |
| Side 1              |                                                                                                                     |
| Threaded hole       | M3x31                                                                                                               |
| Tightening torque   | 0,4 Nm                                                                                                              |
| Commercial data     |                                                                                                                     |
| URL Webshop         | <a href="https://shop.murrelektronik.com/7000-94061-2161000">https://shop.murrelektronik.com/7000-94061-2161000</a> |
| GTIN                | 4048879114639                                                                                                       |
| 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                   | 4048879114639 |
| 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

|                  |            |
|------------------|------------|
| Material housing | PBT        |
| Color housing    | black      |
| Locking material | Steel      |
| Coating locking  | galvanized |
| Material 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      | 216                  |
| Cable Type                | 1                    |
| Amount stranding          | 1                    |
| Stranding                 | 1 × 3 wires stranded |
| Cable weight              | 58 g/m               |
| Material wire insulation  | PVC                  |
| Amount wires              | 3                    |
| Outer diameter insulation | 1,8 mm               |

|                                            |                                                  |
|--------------------------------------------|--------------------------------------------------|
| Outer diameter tolerance core insulation   | ± 0,1 mm                                         |
| Shore hardness wire insulation             | 43 5 Shore D                                     |
| Material properties wire insulation        | good machinability                               |
| Ingredient freeness wire insulation        | lead-free, cadmium-free, CFC-free, silicone-free |
| Printing color of wire insulation          | white (isolation black)                          |
| Amount strands (wire)                      | 24                                               |
| Diameter of single wires                   | 0,2 mm                                           |
| Conductor crosssection (wire)              | 0,75 mm <sup>2</sup>                             |
| Material conductor wire                    | Stranded copper wire, bare                       |
| Conductor type (wire)                      | Strand class 5                                   |
| Outer-diameter (jacket)                    | 5,9 mm                                           |
| Tolerance outer diameter (sheath)          | ± 5 %                                            |
| Material jacket                            | PVC                                              |
| Shore hardness jacket                      | 80 5 Shore A                                     |
| Freedom from ingredients (jacket)          | lead-free, cadmium-free, CFC-free, silicone-free |
| Material property (jacket)                 | good machinability                               |
| Conductor resistance (wire)                | 26 Ω/km @ 20 °C                                  |
| Max. rated voltage (conductor - ground)    | 300 V                                            |
| Max. rated voltage (conductor - conductor) | 500 V                                            |
| Withstand voltage (wire - wire)            | 3 kV @ 60 s                                      |
| Withstand voltage (wire - jacket)          | 3 kV @ 60 s                                      |
| Current load capacity (standard)           | to DIN VDE 0298-4                                |
| Current load capacity max. (wire)          | 12 A                                             |
| Operating temperature min. (static)        | -30 °C                                           |
| Operating temperature max. (static)        | 70 °C                                            |
| Operating temperature min. (dynamic)       | -5 °C                                            |
| Operating temperature max. (dynamic)       | 70 °C                                            |
| Oil resistance                             | good                                             |
| Chemical resistance                        | good                                             |
| Other resistances                          | good resistance to gasoline                      |
| Bending radius (fixed)                     | 5 × Outer diameter                               |
| Bending radius (dynamic)                   | 10 × Outer diameter                              |