

**MSUD valve plug BI-11mm with cable**

PVC 3x0.75 bk 1.5m

Art.No.: 7000-11071-6160150

Weight: 0.118

Country of origin: CZ

Model designation: MSUDK-KB5K-616\_1.5

MSUD

Form BI (11 mm)

0...230 V AC/DC

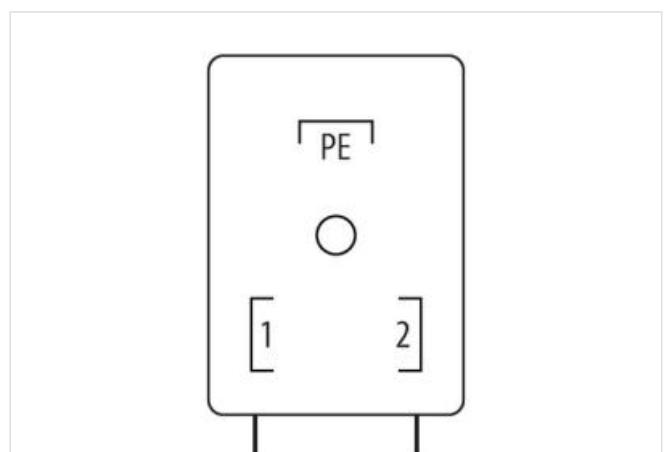
without components

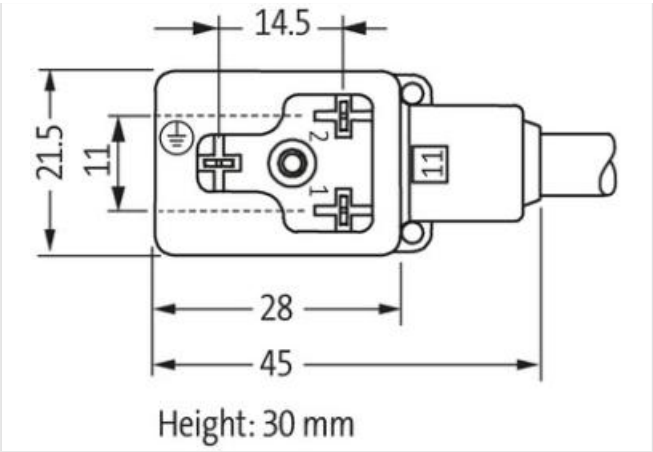
PE opposite cable entry (180°)

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                        | 1,5 m             |
| Side 1                              |                   |
| Tightening torque                   | 0,4 Nm            |
| Mounting method                     | inserted, screwed |
| Family construction form            | MSUD BI           |
| Thread                              | M3                |
| Material                            | PBT               |
| Degree of protection (EN IEC 60529) | IP67              |
| Commercial data                     |                   |
| ECLASS-6.0                          | 27279218          |
| ECLASS-6.1                          | 27279218          |
| ECLASS-7.0                          | 27279218          |
| ECLASS-8.0                          | 27279218          |
| ECLASS-9.0                          | 27060312          |
| ECLASS-10.1                         | 27060312          |
| ECLASS-11.1                         | 27060312          |
| ECLASS-12.0                         | 27060312          |
| ETIM-5.0                            | EC001855          |
| ETIM-6.0                            | EC001855          |
| ETIM-7.0                            | EC001855          |
| ETIM-8.0                            | EC001855          |
| customs tariff number               | 85444290          |
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| GTIN                                | 4048879291712     |
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| Packaging unit                      | 1                 |
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| Electrical data   Supply            |                   |
| Operating voltage AC max.           | 230 V             |
| Operating voltage DC max.           | 230 V             |
| Current operating per contact max.  | 10 A              |
| Installation   Connection           |                   |

Mounting set M3

#### Device protection | Electrical

|                                        |                   |
|----------------------------------------|-------------------|
| Additional condition protection degree | inserted, screwed |
| Rated surge voltage                    | 4 kV              |

#### Mechanical data | Material data

|                           |            |
|---------------------------|------------|
| Material housing          | Plastic    |
| Color housing             | black      |
| Coating of fitting        | galvanized |
| 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 | <b>Attention:</b> 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                       | 616                                              |
| Cable Type                                 | 1                                                |
| Printing color of wire insulation          | white (isolation black)                          |
| Jacket Color                               | black                                            |
| Amount stranding                           | 1                                                |
| Stranding                                  | 3 wires twisted                                  |
| wire arrangement                           | black 1, black 2, green-yellow                   |
| Cable weight                               | 61,6 g/m                                         |
| Material jacket                            | PVC                                              |
| Shore hardness jacket                      | 80 ± 5 Shore A                                   |
| Freedom from ingredients (jacket)          | lead-free, cadmium-free, CFC-free, silicone-free |
| Outer-diameter (jacket)                    | 5,9 mm                                           |
| Tolerance outer diameter (sheath)          | ± 5 %                                            |
| Material wire insulation                   | PVC                                              |
| Amount wires                               | 3                                                |
| Outer diameter insulation                  | 1,8 mm                                           |
| Outer diameter tolerance core insulation   | ± 5 %                                            |
| 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 mm²                                         |
| Material conductor wire                    | Stranded copper wire, bare                       |
| Conductor type (wire)                      | Strand class 5                                   |
| Max. rated voltage (conductor - conductor) | 500 V                                            |
| Max. rated voltage (conductor - ground)    | 300 V                                            |
| Current load capacity (standard)           | to DIN VDE 0298-4                                |
| Current load capacity min. wire            | 12 A                                             |
| Electrical resistance line constant wire   | 26 Ω/km @ 20 °C                                  |

|                                                   |                                                      |
|---------------------------------------------------|------------------------------------------------------|
| AC withstand voltage (wire - wire)                | 3 kV @ 60 s                                          |
| Power frequency withstand voltage (wire - jacket) | 3 kV @ 60 s                                          |
| Min. operating temperature (static)               | -30 °C                                               |
| Max. operating temperature (fixed)                | 70 °C                                                |
| Operating temperature min. (dynamic)              | -5 °C                                                |
| Operating temperature max. (dynamic)              | 70 °C                                                |
| UV resistance                                     | DIN EN ISO 4892-2 A                                  |
| Flame resistance                                  | UL 1581 § 1100 FT2   IEC 60332-2-2   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                                  |