

**MSUD valve plug B-10mm with cable**

PVC 3x0.75 bk 1.5m

Art.No.: 7000-10081-6160150

Weight: 0.116

Country of origin: CZ

Model designation: MSUDK-LB1Z-616\_1.5

MSUD

Form B (10 mm)

24 V AC  $\pm 20\%$  / DC  $\pm 25\%$ 

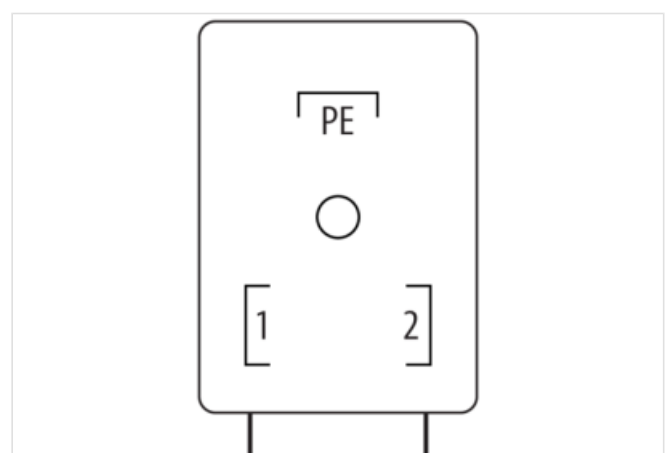
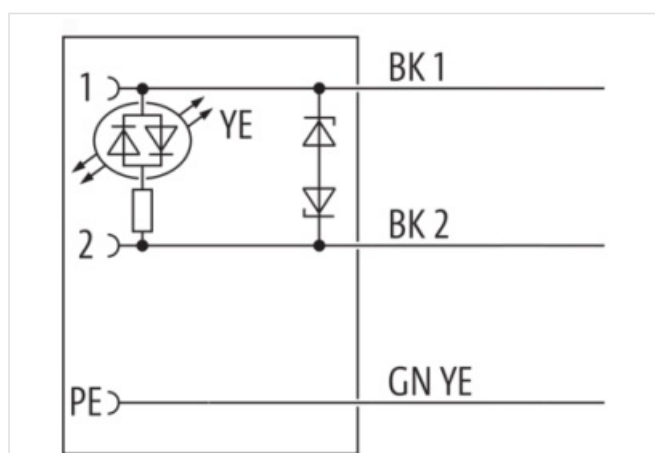
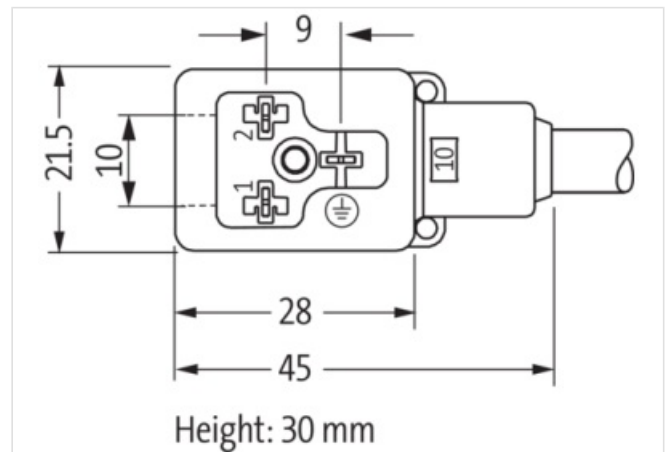
LED and suppression

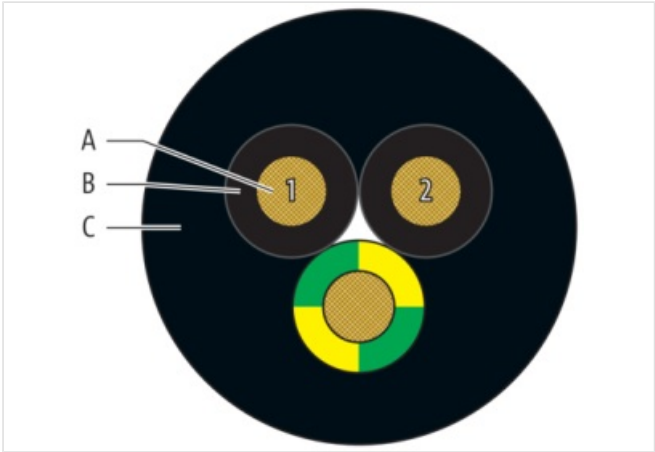
PE opposite cable entry (180°)

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



| Header                              |                                                                                                                     |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Material short text                 | MSUDK-LB1Z-616_1.5                                                                                                  |
| Cable length                        | 1,50 m                                                                                                              |
| Side 1                              |                                                                                                                     |
| Family construction form            | MSUD B                                                                                                              |
| Mounting method                     | inserted, screwed                                                                                                   |
| Thread                              | M3x31                                                                                                               |
| Tightening torque                   | 0.4 Nm                                                                                                              |
| Material                            | PBT                                                                                                                 |
| Degree of protection (EN IEC 60529) | IP67                                                                                                                |
| Commercial data                     |                                                                                                                     |
| URL Webshop                         | <a href="https://shop.murrelektronik.com/7000-10081-6160150">https://shop.murrelektronik.com/7000-10081-6160150</a> |
| GTIN                                | 4048879222730                                                                                                       |
| 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                   | 4048879222730 |
| Packaging unit        | 1             |

#### Electrical data

|                          |       |
|--------------------------|-------|
| Drop-out delay time max. | 20 ms |
|--------------------------|-------|

#### Electrical data | Supply

|                                    |        |
|------------------------------------|--------|
| Operating voltage AC               | 24 V   |
| Operating voltage AC min.          | 19.2 V |
| Operating voltage AC max.          | 28.8 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    |
| Cut-off peak voltage max.          | 55 V   |

#### Installation | Connection

|              |       |
|--------------|-------|
| Mounting set | M3x31 |
|--------------|-------|

#### Device protection | Electrical

|                                        |                   |
|----------------------------------------|-------------------|
| Additional condition protection degree | inserted, screwed |
| Pollution Degree                       | 3                 |
| Rated surge voltage                    | 0.8 kV            |

#### Mechanical data | Material data

|                           |            |
|---------------------------|------------|
| Material housing          | Plastic    |
| Color housing             | Black      |
| Material screw connection | Steel      |
| Coating of fitting        | galvanized |

#### 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 | 616 |
|----------------------|-----|

|                                            |                                                  |
|--------------------------------------------|--------------------------------------------------|
| Cable Type                                 | 1                                                |
| Amount stranding                           | 1                                                |
| Stranding                                  | 3 wires stranded                                 |
| Cable weight                               | 56 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        | CFC-free, cadmium-free, silicone-free, lead-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)          | CFC-free, cadmium-free, silicone-free, lead-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 min. wire            | 12 A                                             |
| Min. operating temperature (static)        | -30 °C                                           |
| Max. operating temperature (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                              |