

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

PUR 3x0.75 gy UL/CSA 1.5m

MSUD

Form B (10 mm)

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

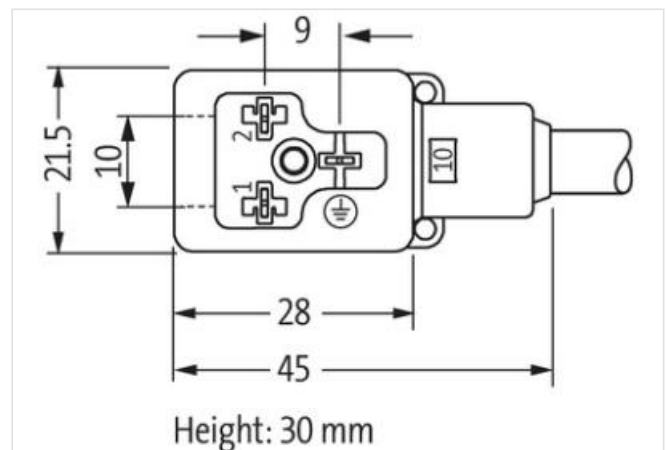
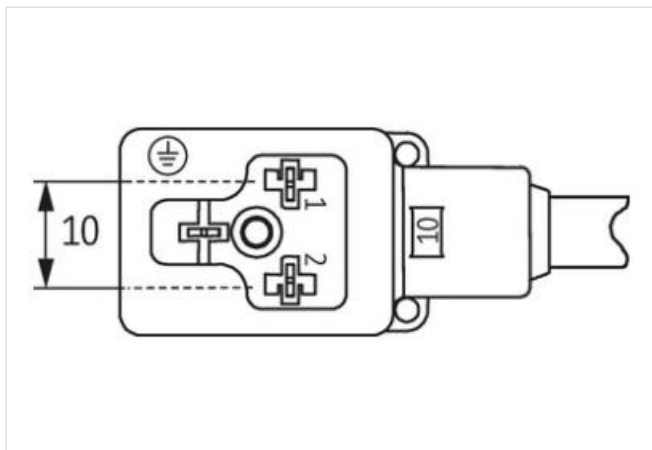
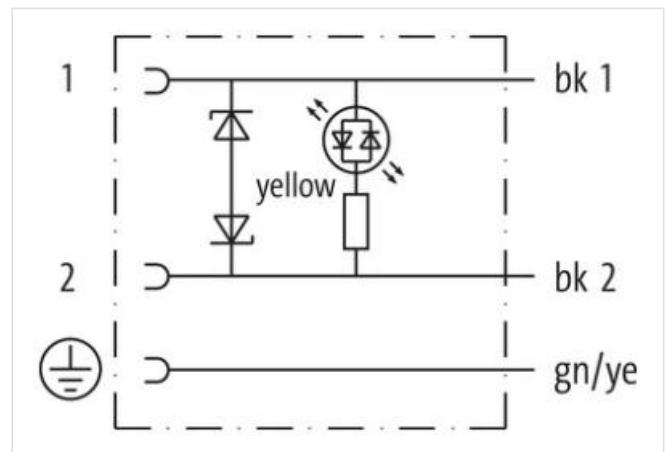
LED and suppression

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



Cable length

1,5 m

**Side 1**

|                                     |                   |
|-------------------------------------|-------------------|
| Tightening torque                   | 0,4 Nm            |
| Mounting method                     | inserted, screwed |
| Family construction form            | MSUD B            |
| Thread                              | M3                |
| Material                            | PBT               |
| Degree of protection (EN IEC 60529) | IP67              |

#### Commercial data

|                       |               |
|-----------------------|---------------|
| ECLASS-6.0            | 27279218      |
| ECLASS-7.0            | 27279218      |
| ECLASS-8.0            | 27279218      |
| ECLASS-9.0            | 27060311      |
| ECLASS-10.1           | 27060312      |
| ECLASS-11.1           | 27060312      |
| ECLASS-12.0           | 27060312      |
| ETIM-5.0              | EC001855      |
| customs tariff number | 85444290      |
| GTIN                  | 4048879222846 |
| Packaging unit        | 1             |

#### Electrical data

|             |       |
|-------------|-------|
| Capacity CX | 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   |
| Cut-off peak voltage max.          | 55 V   |
| Current operating per contact max. | 4 A    |

#### Installation | Connection

|              |    |
|--------------|----|
| Mounting set | M3 |
|--------------|----|

#### Device protection | Electrical

|  |                   |
|--|-------------------|
| Additional condition protection degree | inserted, screwed |
| Pollution Degree                       | 3                 |
| Rated surge voltage                    | 0,8 kV            |

#### Mechanical data | Material data

|                           |          |
|---------------------------|----------|
| Coating of fitting        | verzinkt |
| Color housing             | black    |
| Material housing          | Plastic  |
| 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

|   |  |
|---|--|
| Cable identification                              | 226  |
| Cable Type  | 2  |
| Jacket Color                                      | gray   |
| Type of Certificate                               | cURus  |
| Amount stranding                                  | 1  |
| Stranding   | 3 wires twisted  |
| wire arrangement                                  | black 1, black 2, green-yellow                                 |
| Cable weight                                      | 55,33 g/m  |
| Material jacket                                   | PUR  |
| Shore hardness jacket                             | 85 ± 5 Shore A   |
| Freedom from ingredients (jacket)                 | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Outer-diameter (jacket)                           | 5,9 mm   |
| Tolerance outer diameter (sheath)                 | ± 5 %  |
| Material inner jacket                             | PVC  |
| 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   |
| Ingredient freeness wire insulation               | lead-free, cadmium-free, CFC-free, silicone-free               |
| Amount strands (wire)                             | 42   |
| Diameter of single wires                          | 0,15 mm  |
| Conductor crosssection (wire)                     | 0,75 mm²   |
| Material conductor wire                           | Stranded copper wire, bare                                     |
| Conductor type (wire)                             | strand class 6   |
| Nominal voltage AC max.                           | 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)                | 2 kV @ 60 s  |
| Power frequency withstand voltage (wire - jacket) | 2 kV @ 60 s  |
| Min. operating temperature (static)               | -30 °C   |
| Max. operating temperature (fixed)                | 80 °C  |
| Operating temperature min. (dynamic)              | -5 °C  |
| Operating temperature max. (dynamic)              | 80 °C  |
| UV resistance                                     | DIN EN ISO 4892-2 A  |
| Flame resistance                                  | IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2            |
| chemical resistance                               | Good, application-related testing                              |
| Gasoline resistance                               | Good, application-related testing                              |
| Oil resistance                                    | DIN EN 60811-404   Good, application-related testing           |
| Bending radius (fixed)                            | 10 x Outer diameter  |
| Bending radius (dynamic)                          | 15 x Outer diameter  |
| Travel speed (C-track)                            | 2 Mio. @ 25 °C   |