

**MSUD valve plug BI-11mm 180° with cable**

PUR 3x0.75 gy UL/CSA 5m

MSUD

Form BI (11 mm)

230 V AC/DC  $\pm 10\%$ 

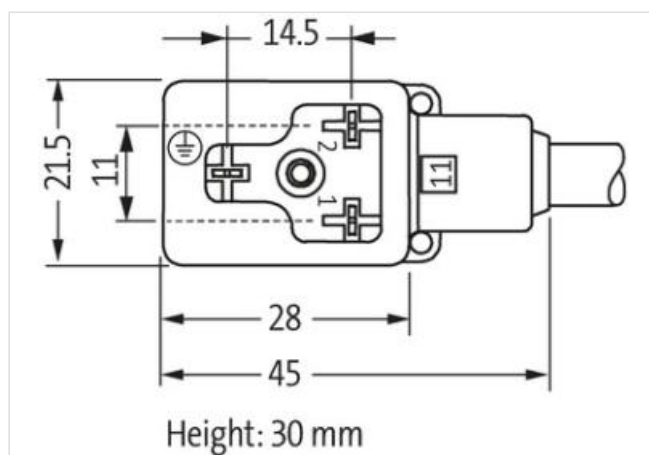
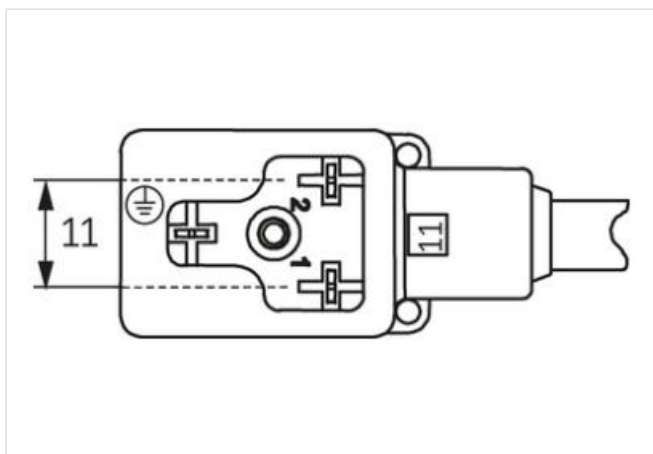
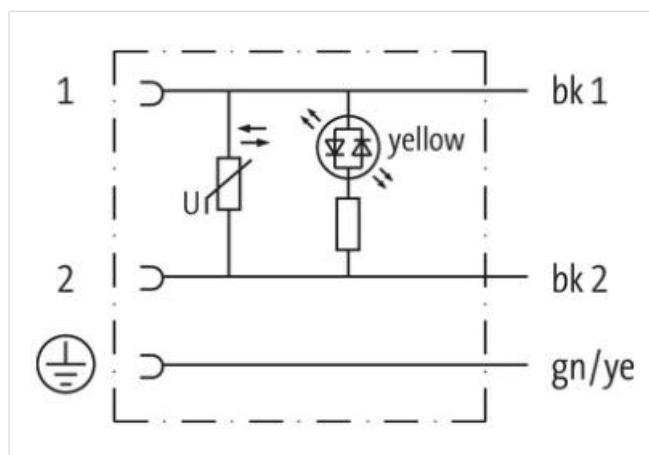
LED and suppression

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 naar het product](#)**Afbeelding**

Product van afwijken van afbeelding



Cable length

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              |

#### Commerciële gegevens

|                      |               |
|----------------------|---------------|
| 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      |
| Douane tarief nummer | 85444290      |
| GTIN                 | 4048879465649 |
| Verpakkingseenheid   | 1             |

#### Electrical data

|             |       |
|-------------|-------|
| Capacity CX | 20 ms |
|-------------|-------|

#### Electrical data | Supply

|                                    |       |
|------------------------------------|-------|
| Operating voltage AC               | 230 V |
| Operating voltage AC min.          | 207 V |
| Operating voltage AC max.          | 253 V |
| Operating voltage DC               | 230 V |
| Operating voltage DC min.          | 207 V |
| Operating voltage DC max.          | 253 V |
| Cut-off peak voltage max.          | 560 V |
| Current operating per contact max. | 0,5 A |

#### Diagnostics

|                       |        |
|-----------------------|--------|
| Status indication LED | yellow |
|-----------------------|--------|

#### Installation | Connection

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

#### Device protection | Electrical

|                                        |                   |
|----------------------------------------|-------------------|
| Additional condition protection degree | inserted, screwed |
| Rated surge voltage                    | 4 kV              |
| Material group (IEC 60664-1)           | I                 |
| Additional suppressor                  | Varistor          |

#### 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

**Attention:** 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 mm <sup>2</sup>                                           |
| 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                                                 |