

MSUD valve plug B-10mm with cable

PUR 3x0.75 gy UL/CSA+robot+drag ch. 3m

MSUD

Form B (10 mm)

0...230 V AC/DC

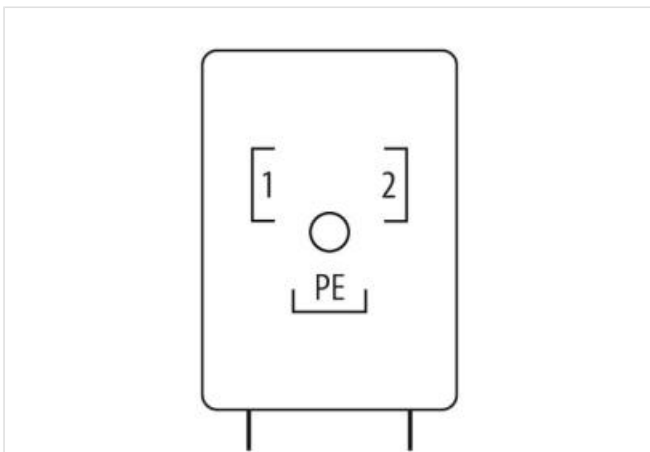
without components

PE at cable entry (0°)

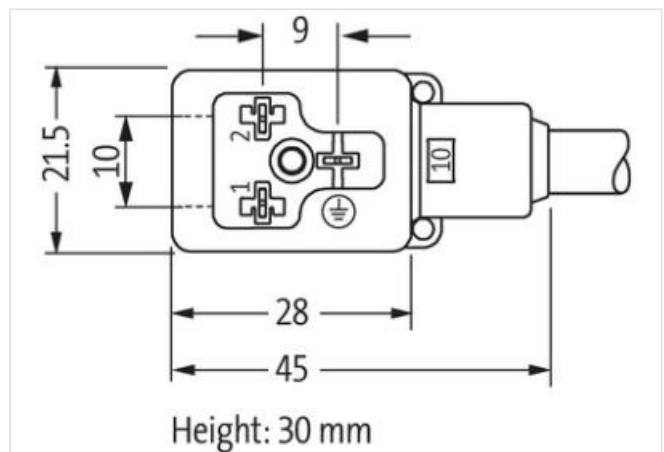
Further cable lengths on request.

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

3 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 | 27061801 |
| customs tariff number | 85444290 |
| GTIN | 4065909096680 |
| Packaging unit | 1 |

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 |
| Pollution Degree | 3 |
| Rated surge voltage | 4 kV |
| Material group (IEC 60664-1) | I |

Mechanical data | Material data

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

| | |
|-----------------------------------|--|
| wire arrangement | black 1, black 2, green-yellow |
| Cable identification | 256 |
| Cable Type | 5 |
| Printing color of wire insulation | white (isolation black) |
| Jacket Color | gray |
| Type of Certificate | cURus |
| Amount stranding | 1 |
| Stranding | 3 wires twisted |
| wire arrangement | black 1, black 2, green-yellow |
| Cable weight | 48,4 g/m |
| Material jacket | PUR |
| Shore hardness jacket | 58 ± 3 Shore D |
| Freedom from ingredients (jacket) | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Outer-diameter (jacket) | 5,2 mm |

| | |
|---|--|
| Tolerance outer diameter (sheath) | ± 5 % |
| Material wire insulation | PP |
| Amount wires | 3 |
| Outer diameter insulation | 1,7 mm |
| Outer diameter tolerance core insulation | ± 5 % |
| Shore hardness wire insulation | 74 ± 3 Shore D |
| Ingredient freeness wire insulation | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Printing color of wire insulation | white (isolation black) |
| Amount strands (wire) | 42 |
| Diameter of single wires | 0,15 mm |
| Conductor crosssection (wire) | 0,75 mm ² |
| 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) | 2,5 kV @ 60 s |
| Power frequency withstand voltage (wire - jacket) | 2,5 kV @ 60 s |
| Min. operating temperature (static) | -40 °C |
| Max. operating temperature (fixed) | 80 °C / 90 °C @ 10000 h Operation |
| Operating temperature min. (dynamic) | -25 °C |
| Operating temperature max. (dynamic) | 80 °C / 90 °C @ 10000 h Operation |
| 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 |
| No. of bending cycles (C-track) | 10 Mio. @ 25 °C |
| Traversing distance (C-track) | 5 m @ 25 °C horizontal |
| Travel speed (C-track) | 3,3 m/s @ 25 °C |
| No. of torsion cycles | 1 Mio. |
| Torsion stress | ± 360 °/m |
| Torsion speed | 35 cycles/min |