

**MSUD valve plug A-18mm with cable**

PUR 4x0.75 bk UL/CSA+drag ch. 10m

MSUD

Form A (18 mm)

0...230 V AC/DC

without components

PE opposite 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

10 m

**Side 1**

|   |   |
|---|---|
| Tightening torque                               | 0,4 Nm  |
| Mounting method                                 | inserted, screwed   |
| Family construction form                        | MSUD A  |
| Thread  | M3  |
| Material  | PBT   |
| Degree of protection (EN IEC 60529)             | IP66K, IP67   |
| <b>Commercial data</b>                          |   |
| 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  | 4048879190978   |
| Packaging unit                                  | 1   |
| <b>Electrical data   Supply</b>                 |   |
| Operating voltage AC max.                       | 230 V   |
| Operating voltage DC max.                       | 230 V   |
| Current operating per contact max.              | 10 A  |
| <b>Installation   Connection</b>                |   |
| Mounting set                                    | M3  |
| <b>Device protection   Electrical</b>           |   |
| Additional condition protection degree          | inserted, screwed   |
| Pollution Degree                                | 3   |
| <b>Mechanical data   Material data</b>          |   |
| Coating of fitting                              | verzinkt  |
| Color housing                                   | black   |
| Material housing                                | Plastic   |
| Material screw connection                       | Steel   |
| <b>Mechanical data   Mounting data</b>          |   |
| Mounting method                                 | inserted, screwed   |
| <b>Environmental characteristics   Climatic</b> |   |
| Operating temperature min.                      | -25 °C  |
| Operating temperature max.                      | 85 °C   |
| Additional condition temperature range          | depending on cable quality  |
| <b>Important installation notes</b>             |   |
| 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. |
| <b>Conformity</b>                               |   |
| Product standard                                | DIN EN 175301-803   |
| <b>Installation   Cable</b>                     |   |
| Cable identification                            | 637   |
| Cable Type                                      | 3   |
| Printing color of wire insulation               | white (isolation black)   |
| Jacket Color                                    | black   |
| Type of Certificate                             | cURus   |

|   |  |
|---|--|
| Amount stranding                                  | 1  |
| Stranding   | 4 wires twisted  |
| wire arrangement                                  | black 1, black 2, black 3, green-yellow                        |
| Cable weight                                      | 69,3 g/m   |
| Material jacket                                   | PUR  |
| Shore hardness jacket                             | 90 ± 5 Shore A   |
| Freedom from ingredients (jacket)                 | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Outer-diameter (jacket)                           | 6,5 mm   |
| Tolerance outer diameter (sheath)                 | ± 5 %  |
| Material wire insulation                          | PP   |
| Amount wires                                      | 4  |
| Outer diameter insulation                         | 1,85 mm  |
| Outer diameter tolerance core insulation          | ± 5 %  |
| Shore hardness wire insulation                    | 70 ± 5 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 mm²   |
| Material conductor wire                           | Stranded copper wire, bare                                     |
| Conductor type (wire)                             | strand class 6   |
| Traversing distance (C-track)                     | 10 m @ 25 °C   horizontal                                      |
| Nominal voltage AC max.                           | 300 V  |
| Current load capacity (standard)                  | to DIN VDE 0298-4  |
| Current load capacity min. wire                   | 9,6 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                              |
| 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                                    | DIN EN 60811-404   Good, application-related testing           |
| Bending radius (fixed)                            | 5 x Outer diameter   |
| Bending radius (dynamic)                          | 10 x Outer diameter  |
| Travel speed (C-track)                            | 10 Mio. @ 25 °C  |
| No. of torsion cycles                             | 2 Mio.   |
| Torsion stress                                    | ± 180 °/m  |
| Torsion speed                                     | 35 cycles/min  |