

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

PVC 4x0.75 gy 20m

MSUD

Form A (18 mm)

0...230 V AC/DC

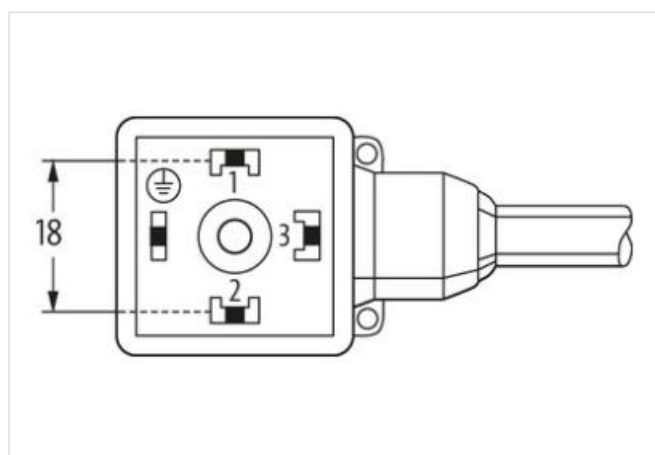
without components

PE opposite cable entry (0°)

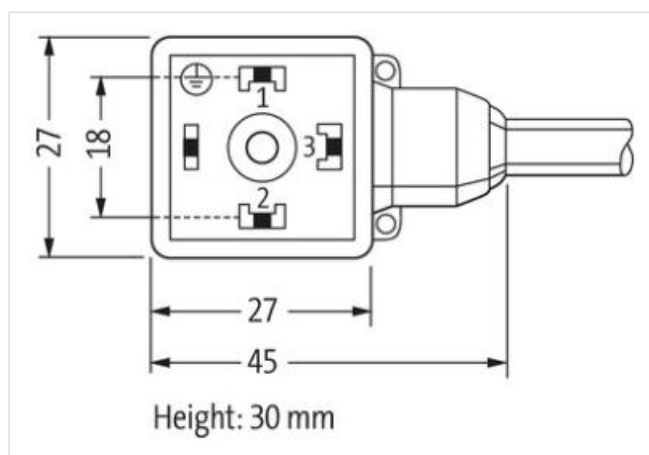
Further cable lengths on request.

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 a termékhez](#)**Ábrák**

Szimbolikus ábra



Cable length

20 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                                            | 4048879754903                                                                                                                                         |
| 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                            | 217                                                                                                                                                   |
| Cable Type                                      | 1                                                                                                                                                     |
| Printing color of wire insulation               | white (isolation black)                                                                                                                               |
| Jacket Color                                    | gray                                                                                                                                                  |
| Amount stranding                                | 1                                                                                                                                                     |

|                                                   |                                                      |
|---------------------------------------------------|------------------------------------------------------|
| Stranding                                         | 4 wires twisted                                      |
| wire arrangement                                  | black 1, black 2, black 3, green-yellow              |
| Cable weight                                      | 75,9 g/m                                             |
| Material jacket                                   | PVC                                                  |
| Shore hardness jacket                             | 80 ± 5 Shore A                                       |
| Freedom from ingredients (jacket)                 | lead-free, cadmium-free, CFC-free, silicone-free     |
| Outer-diameter (jacket)                           | 6,5 mm                                               |
| Tolerance outer diameter (sheath)                 | ± 5 %                                                |
| Material wire insulation                          | PVC                                                  |
| Amount wires                                      | 4                                                    |
| Outer diameter insulation                         | 1,8 mm                                               |
| Outer diameter tolerance core insulation          | ± 5 %                                                |
| Shore hardness wire insulation                    | 43 ± 5 Shore D                                       |
| Material properties wire insulation               | good machinability                                   |
| Ingredient freeness wire insulation               | lead-free, cadmium-free, CFC-free, silicone-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                                       |
| Max. rated voltage (conductor - conductor)        | 500 V                                                |
| Max. rated voltage (conductor - ground)           | 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)                | 3 kV @ 60 s                                          |
| Power frequency withstand voltage (wire - jacket) | 3 kV @ 60 s                                          |
| Min. operating temperature (static)               | -30 °C                                               |
| Max. operating temperature (fixed)                | 70 °C                                                |
| Operating temperature min. (dynamic)              | -5 °C                                                |
| Operating temperature max. (dynamic)              | 70 °C                                                |
| Flame resistance                                  | UL 1581 § 1090   IEC 60332-2-2   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)                            | 5 x Outer diameter                                   |
| Bending radius (dynamic)                          | 10 x Outer diameter                                  |