

### **MSUD VALVE PLUG FORM CI 9.4 MM**

PUR 3X0.75 GRAY, ROBOT, drag ch 10m

MSUD

The resistance to aggressive media should be individually tested for your application. Further details on request.

Form CI (9.4 mm)

0...230 V AC/DC

without components

3-pole

Bridged PE

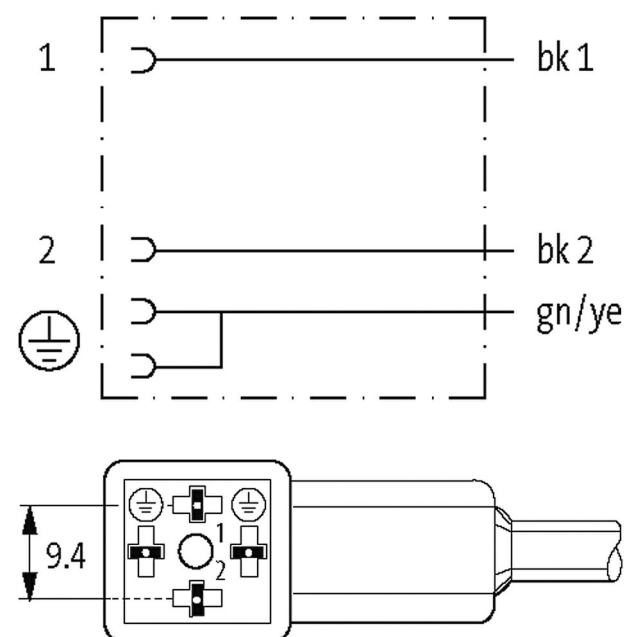
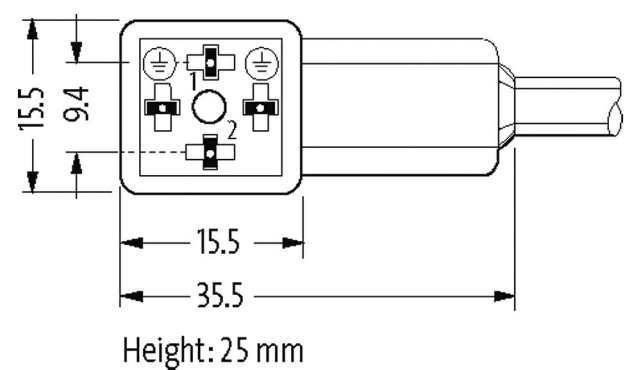
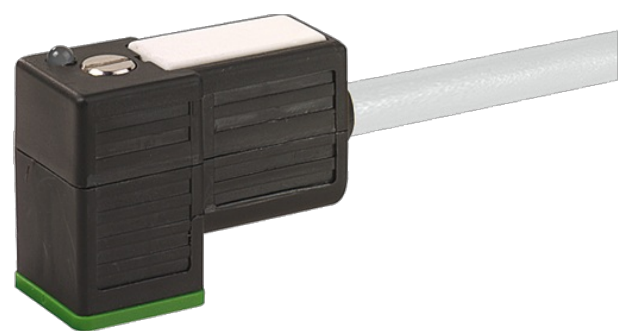
without cable sleeves

Further cable lengths on request.

Plastic housings with good resistance against chemicals and oils.

### **[Link to Product](#)**

**Illustration**



Product may differ from Image

**Approvals**

|        |                                                |
|--------|------------------------------------------------|
| cCSAus | * only for products with UL/CSA approved cable |
|--------|------------------------------------------------|

**Form**

|      |       |
|------|-------|
| Form | 94061 |
|------|-------|

**General data**

|                  |   |
|------------------|---|
| Pollution Degree | 3 |
|------------------|---|

|                                    |                                                                                                                                                                         |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material (gasket)                  | PUR                                                                                                                                                                     |
| Temperature range                  | -25...+85 °C, depending on cable quality                                                                                                                                |
| <b>Cables</b>                      |                                                                                                                                                                         |
| No./diameter of wires              | 3 × 0.75 mm <sup>2</sup>                                                                                                                                                |
| Wire isolation                     | PP (bk num, gnye)                                                                                                                                                       |
| C-track properties                 | 10 Mio.                                                                                                                                                                 |
| Material (jacket)                  | PUR (UL/CSA), welding spark                                                                                                                                             |
| Outer Ø                            | 5.2 mm ±5%                                                                                                                                                              |
| Bend radius (moving)               | 10 × outer Ø                                                                                                                                                            |
| Temperature range (fixed)          | -40...+80 °C                                                                                                                                                            |
| Temperature range (mobile)         | -25...+80 °C                                                                                                                                                            |
| Cable identification               | 256                                                                                                                                                                     |
| Cable Type                         | 5 (PUR schweißfunkenbeständig)                                                                                                                                          |
| Approval (cable)                   | cURus (AWM-Style 20549/10493); CE conform                                                                                                                               |
| Cable weight [g/m]                 | 48,40                                                                                                                                                                   |
| Material (wire)                    | Cu wire, bare                                                                                                                                                           |
| Resistor (core)                    | max. 26 Ω/km (20 °C)                                                                                                                                                    |
| Single wire Ø (core)               | 0.15 mm                                                                                                                                                                 |
| Construction (core)                | 42 × 0.15 mm (multi-strand wire class 6)                                                                                                                                |
| Diameter (core)                    | 3 × 0.75 mm <sup>2</sup>                                                                                                                                                |
| AWG                                | similar to AWG 18                                                                                                                                                       |
| Material (wire isolation)          | PP                                                                                                                                                                      |
| Material property (wire isolation) | CFC-, halogen-, cadmium-, silicone- and lead-free                                                                                                                       |
| Shore hardness (wire isolation)    | 74 ±3 D                                                                                                                                                                 |
| Wire-Ø incl. isolation             | 1.7 mm ±5%                                                                                                                                                              |
| Color/numbering of wires           | bk numbered, gnye longitudinally striped                                                                                                                                |
| Stranding combination              | 3 wires twisted                                                                                                                                                         |
| Shield                             | no                                                                                                                                                                      |
| Material (jacket)                  | PUR                                                                                                                                                                     |
| Material property (jacket)         | CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis-, microbial- and welding spark resistant |
| Shore hardness (jacket)            | 58 ±3 D                                                                                                                                                                 |
| Outer-Ø (jacket)                   | 5.2 mm ±5%                                                                                                                                                              |
| Color (jacket)                     | gray                                                                                                                                                                    |
| chemical resistance                | good resistance to oil, gasoline and chemicals (EN 60811-404)                                                                                                           |
| thermal resistance                 | flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant                                                                                            |
| Nominal voltage                    | 300 V AC                                                                                                                                                                |
| Test voltage                       | 2500 V AC                                                                                                                                                               |
| Current load capacity              | to DIN VDE 0298-4                                                                                                                                                       |
| Temperature range (fixed)          | -40...+80 °C, (+90 °C at max. 10 000 operating hours)                                                                                                                   |
| Temperature range (mobile)         | -25...+80 °C, (+90 °C at max. 10 000 operating hours)                                                                                                                   |
| Bend radius (fixed)                | 5 × outer Ø                                                                                                                                                             |
| Bend radius (moving)               | 10 × outer Ø                                                                                                                                                            |
| No. of bending cycles (C-track)    | max. 10 Mio. (25 °C)                                                                                                                                                    |
| Traversing distance (C-track)      | max. 5 m (horizontal)                                                                                                                                                   |
| Travel speed (C-track)             | max. 3.3 m/s                                                                                                                                                            |
| Acceleration (C-track)             | max. 5 m/s <sup>2</sup>                                                                                                                                                 |
| Torsion stress                     | ±360°/m                                                                                                                                                                 |
| No. of torsion cycles              | max. 1 Mio. (25 °C)                                                                                                                                                     |

|               |               |
|---------------|---------------|
| Torsion speed | 35 cycles/min |
| Jacket Color  | gray          |

**Technical Data**

|                                           |                                        |
|-------------------------------------------|----------------------------------------|
| Operating voltage                         | max. 230 V AC/DC                       |
| Rated surge voltage                       | 4.0 kV                                 |
| Operating current per contact             | max. 6 A                               |
| Material group                            | IEC 60664-1, category I                |
| Locking of ports                          | M3 (recommended torque 0.4 Nm)         |
| Protection                                | IP67 inserted and tightened (EN 60529) |
| Locking material                          | Steel (galvanized)                     |
| Material                                  | PBT                                    |
| suitable for corrugated tube (internal Ø) | without                                |
| Housing                                   | Black plastic (gray on request)        |

**Commercial data**

|                       |               |
|-----------------------|---------------|
| country of origin     | CZ            |
| customs tariff number | 85444290      |
| EAN                   | 4048879414166 |
| eClass                | 27279218      |
| Packaging unit        | 1             |