

## **MSUD FORM C 8MM**

PUR 3X0.75 black UL/CSA, drag ch 20m

MSUD

Form C (8 mm)

0...230 V AC/DC

without components

4-pole

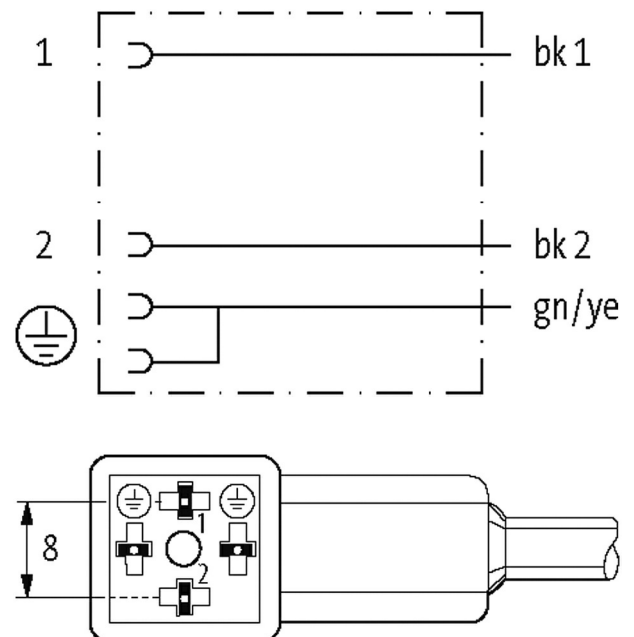
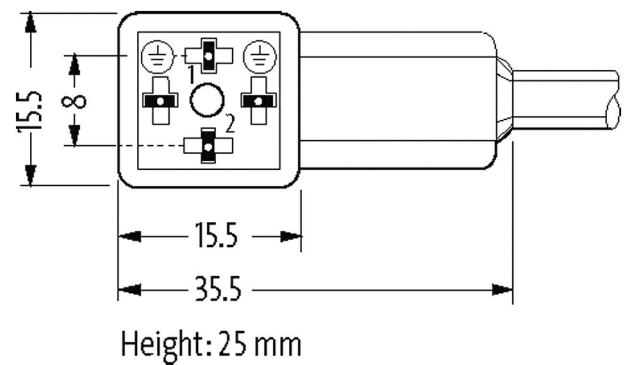
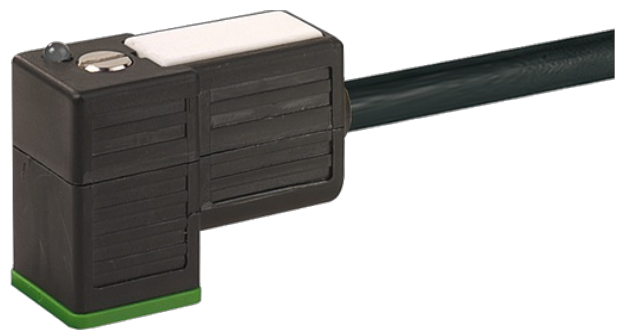
Further cable lengths on request.

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

#### Approvals

cCSAus

\* only for products with UL/CSA approved cable

#### Form

Form

80061

#### General data

Mounting method

inserted, tightened

|                                    |                                                                                                                                                        |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material (contact)                 | Copper alloy                                                                                                                                           |
| Material (contact surface)         | Ag                                                                                                                                                     |
| Pollution Degree                   | 3                                                                                                                                                      |
| Stripping length (jacket)          | 50 mm                                                                                                                                                  |
| 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)                                                                                                                                           |
| Outer Ø                            | 5.9 mm ±5%                                                                                                                                             |
| Bend radius (moving)               | 10× outer Ø                                                                                                                                            |
| Temperature range (fixed)          | -40...+80 °C                                                                                                                                           |
| Temperature range (mobile)         | -25...+80 °C                                                                                                                                           |
| Cable identification               | 636                                                                                                                                                    |
| Cable Type                         | 3 (PUR)                                                                                                                                                |
| Approval (cable)                   | cURus (AWM-Style 20549/10493); CE conform                                                                                                              |
| Cable weight [g/m]                 | 56,10                                                                                                                                                  |
| 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)    | 70 ±5 D                                                                                                                                                |
| Wire-Ø incl. isolation             | 1.85 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 and microbial resistant |
| Shore hardness (jacket)            | 90 ±5 A                                                                                                                                                |
| Outer-Ø (jacket)                   | 5.9 mm ±5%                                                                                                                                             |
| Color (jacket)                     | black                                                                                                                                                  |
| chemical resistance                | good resistance to oil, gasoline and chemicals (EN 60811-404)                                                                                          |
| thermal resistance                 | flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2                                                                                     |
| 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)                                                                                                                                   |
| Travel speed (C-track)             | max. 3 m/s                                                                                                                                             |
| Acceleration (C-track)             | max. 10 m/s <sup>2</sup>                                                                                                                               |

|                       |                     |
|-----------------------|---------------------|
| Torsion stress        | ±180°/m             |
| No. of torsion cycles | max. 2 Mio. (25 °C) |
| Torsion speed         | 35 cycles/min       |
| Jacket Color          | black               |

**Technical Data**

|                               |                                        |
|-------------------------------|----------------------------------------|
| Operating voltage             | max. 230 V AC/DC                       |
| Rated surge voltage           | 4.0 kV                                 |
| Operating current per contact | max. 6 A                               |
| No. of poles                  | 4                                      |
| Material group                | IEC 60664-1, category I                |
| LED display                   | no                                     |
| Locking of ports              | M2.5 (recommended torque 0.4 Nm)       |
| Protection                    | IP67 inserted and tightened (EN 60529) |
| Material                      | PBT                                    |
| Housing                       | Black plastic (gray on request)        |

**Commercial data**

|                       |               |
|-----------------------|---------------|
| country of origin     | CZ            |
| customs tariff number | 85444290      |
| EAN                   | 4048879132367 |
| eClass                | 27279218      |
| Packaging unit        | 1             |