

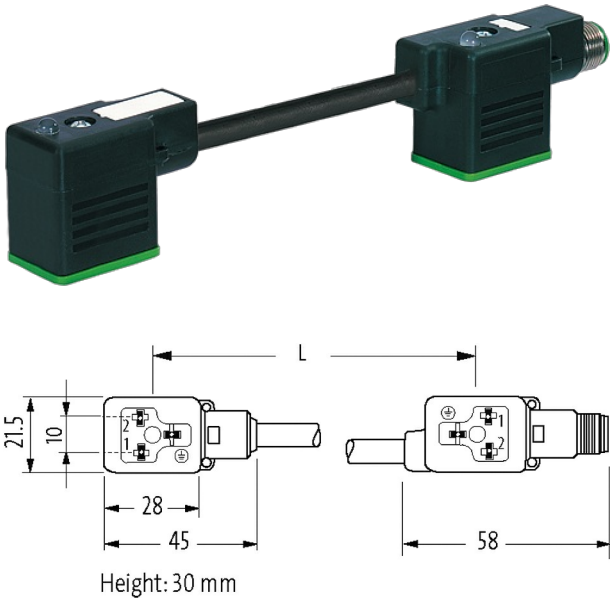
M8 MALE ON REAR / MSUD DOUBLE VALVE PLUG 10 MM

PUR 3X0.75 black UL/CSA, drag chain

Form B (10 mm) – M8, connector at the rear  
24 V AC  $\pm 20\%$  / DC  $\pm 25\%$   
Z-Diode + LED  
Connection cable L = 150 mm  
without cable sleeves  
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



Form

Form 89101

General data

|                            |                                          |
|----------------------------|------------------------------------------|
| Standards                  | DIN EN 61076-2-104 (M8)                  |
| Mounting method            | inserted, tightened                      |
| Material (contact)         | Copper alloy                             |
| Material (contact surface) | MSUD (Ag); M8 (Au)                       |
| Material (gasket)          | PUR                                      |
| Pollution Degree           | 3                                        |
| Temperature range          | -25...+85 °C, depending on cable quality |

Cables

|                                    |                                                                                                                                                        |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 | 24 V AC ±20% / DC ±25% |
|-------------------|------------------------|

|                                           |                                        |
|-------------------------------------------|----------------------------------------|
| Rated surge voltage                       | 0.8 kV                                 |
| Operating current per contact             | max. 4 A                               |
| No. of poles                              | 3                                      |
| Current consumption                       | 15 mA                                  |
| Material group                            | IEC 60664-1, category I                |
| Switch off peak                           | max. 55 V                              |
| LED display                               | yellow                                 |
| Locking of ports                          | M3/M8 (recommended torque 0.4 Nm)      |
| Compression gland                         | M8 (SW9)                               |
| Protection                                | IP67 inserted and tightened (EN 60529) |
| Material                                  | MSUD (PBT); M8 (PUR)                   |
| Locking material                          | Zinc die casting, matte nickel plated  |
| suitable for corrugated tube (internal Ø) | without                                |
| Housing                                   | Black plastic (gray on request)        |
| Additional suppressor                     | Diode/Z-Diode                          |

**Commercial data**

|                       |               |
|-----------------------|---------------|
| country of origin     | CZ            |
| customs tariff number | 85444290      |
| EAN                   | 4048879292313 |
| eClass                | 27143423      |
| Packaging unit        | 1             |