

**valve plug MDC04-3p with cable**

PUR 3x0.75 bk UL/CSA+drag chain 10m

Xtreme - Outdoor

Female straight

6...230 V AC/DC

3-pole

without components

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.

Further cable lengths on request.

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

Product may differ from image

**Form**

Form 72381

**General data**

|                            |                                          |
|----------------------------|------------------------------------------|
| Mounting method            | inserted                                 |
| Material (contact)         | Copper alloy                             |
| Material (contact surface) | Ni                                       |
| Material (gasket)          | Silicon                                  |
| Pollution Degree           | 3                                        |
| Stripping length (jacket)  | 20 mm                                    |
| Temperature range          | -25...+85 °C, depending on cable quality |

**Cables**

|                            |                                           |
|----------------------------|-------------------------------------------|
| No./diameter of wires      | 3 x 0.75 mm <sup>2</sup>                  |
| Wire isolation             | PP (br, bl, bk)                           |
| C-track properties         | 10 Mio.                                   |
| Material (jacket)          | PUR (UL/CSA)                              |
| Outer Ø                    | 5.9 mm ±5%                                |
| Bend radius (moving)       | 10 x outer Ø                              |
| Temperature range (fixed)  | -40...+80 °C                              |
| Temperature range (mobile) | -25...+80 °C                              |
| Cable identification       | 564                                       |
| Cable Type                 | 3 (PUR)                                   |
| Approval (cable)           | cURus (AWM-Style 20549/10493); CE conform |
| Cable weight [g/m]         | 51,70                                     |
| Material (wire)            | Cu wire, bare                             |
| Resistor (core)            | max. 26 Ω/km (20 °C)                      |
| Single wire Ø (core)       | 0.15 mm                                   |
| Construction (core)        | 42 x 0.15 mm (multi-strand wire class 6)  |
| Diameter (core)            | 3 x 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           | br, bk, bl                                                                                                                                             |
| 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/s²                                                                                                                                           |
| 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                         | 6...230 V AC/DC                     |
| Rated surge voltage                       | 4.0 kV                              |
| Operating current per contact             | max. 8 A                            |
| No. of poles                              | 3-pole                              |
| Material group                            | IEC 60664-1, category I             |
| LED display                               | no                                  |
| Locking of ports                          | Snap-in connector                   |
| Protection                                | IP68 inserted and tightened         |
| Material                                  | PA                                  |
| suitable for corrugated tube (internal Ø) | 11 mm                               |
| Housing                                   | Amphenol AT04-3P or Deutsch DT04-3P |
| Additional suppressor                     | without components                  |

#### Commercial data

|                       |               |
|-----------------------|---------------|
| country of origin     | DE            |
| customs tariff number | 85444290      |
| EAN                   | 4048879756426 |
| eClass                | 27279218      |
| Packaging unit        | 1             |

