

**Valve plug MDC06-2s LED with cable**

PUR 2x0.75 ye UL/CSA+drag chain 1,0m

Xtreme - Outdoor

Further cable lengths on request.

Male straight

12...30 V AC/DC

2-pole

LED (yellow)

Compatible with:

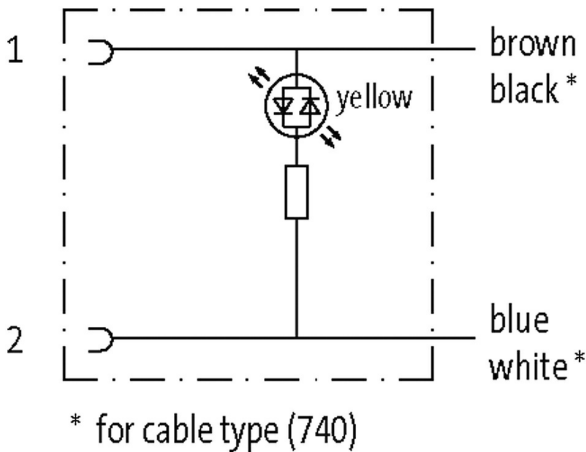
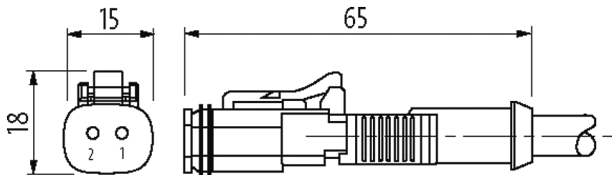
Deutsch DT06-2S

Plastic housings with good resistance against chemicals and oils.

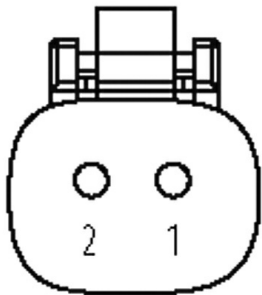
The resistance to aggressive media should be individually tested for your application. Further details on request.

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

**Illustration**



Male  
female contacts



Product may differ from Image

| Form                      |                                          |
|---------------------------|------------------------------------------|
| Form                      | 72021                                    |
| General data              |                                          |
| Pollution Degree          | 3                                        |
| Temperature range         | -25...+85 °C, depending on cable quality |
| Material (gasket)         | Silicon                                  |
| Stripping length (jacket) | 20 mm                                    |
| Cables                    |                                          |
| No./diameter of wires     | 2× 0.75 mm²                              |
| Wire isolation            | PP (br, bl)                              |

|                                    |                                                                                                                                                        |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| C-track properties                 | 10 Mio.                                                                                                                                                |
| Material (jacket)                  | PUR (UL/CSA)                                                                                                                                           |
| Outer Ø                            | 5.0 mm ±5%                                                                                                                                             |
| Bend radius (moving)               | 10× outer Ø                                                                                                                                            |
| Temperature range (fixed)          | -40...+80 °C                                                                                                                                           |
| Temperature range (mobile)         | -25...+80 °C                                                                                                                                           |
| Cable identification               | 145                                                                                                                                                    |
| Cable Type                         | 3 (PUR)                                                                                                                                                |
| Approval (cable)                   | cURus (AWM-Style 20549/10493); CE conform                                                                                                              |
| Cable weight [g/m]                 | 40,70                                                                                                                                                  |
| 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)                    | 2× 0.75 mm²                                                                                                                                            |
| 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             | 1.7 mm ±5%                                                                                                                                             |
| Color/numbering of wires           | br, bl                                                                                                                                                 |
| Stranding combination              | 2 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)                   | 5.0 mm ±5%                                                                                                                                             |
| Color (jacket)                     | yellow                                                                                                                                                 |
| 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                       | yellow                                                                                                                                                 |
| <b>Technical Data</b>              |                                                                                                                                                        |
| Operating voltage                  | 12...30 V AC/DC                                                                                                                                        |
| Rated surge voltage                | 0.8 kV                                                                                                                                                 |
| Operating current per contact      | max. 4 A                                                                                                                                               |

|                                           |                                     |
|-------------------------------------------|-------------------------------------|
| Material group                            | IEC 60664-1, category I             |
| LED display                               | yellow                              |
| Locking of ports                          | Snap-in connector                   |
| Protection                                | IP68 inserted and tightened         |
| Material                                  | PA                                  |
| suitable for corrugated tube (internal Ø) | 11 mm                               |
| Housing                                   | Amphenol AT06-2S or Deutsch DT06-2S |

**Commercial data**

|                       |               |
|-----------------------|---------------|
| country of origin     | DE            |
| customs tariff number | 85444290      |
| EAN                   | 4048879505222 |
| eClass                | 27279218      |
| Packaging unit        | 1             |