

**Valve plug MDC06-2s short LED+Diode with cable**

PUR 2x0.75 bk UL/CSA+drag ch. 10m

Xtreme - Outdoor

Male straight

Further cable lengths on request.

12...24 V DC

2-pole

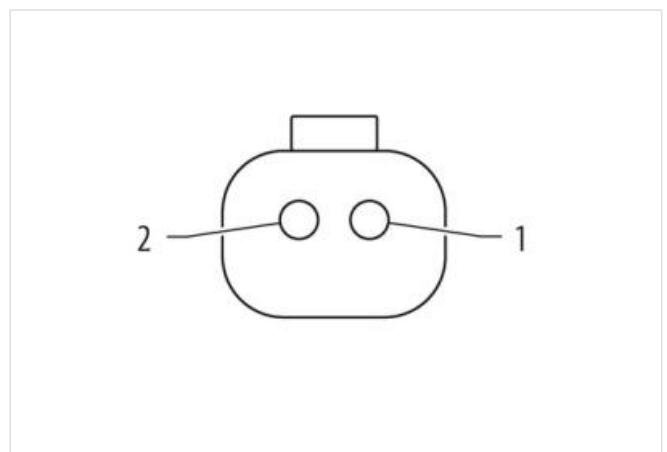
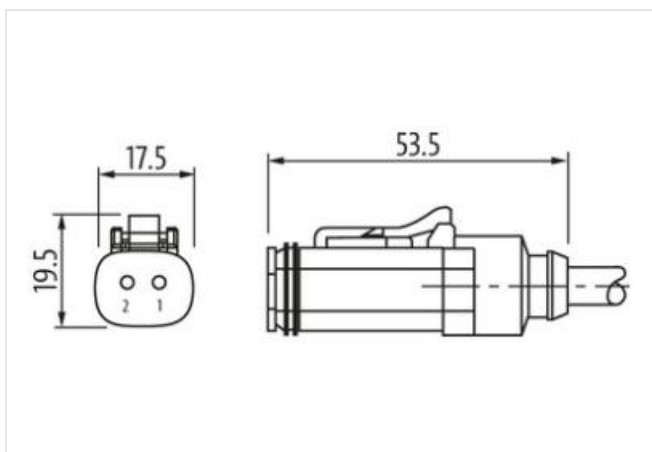
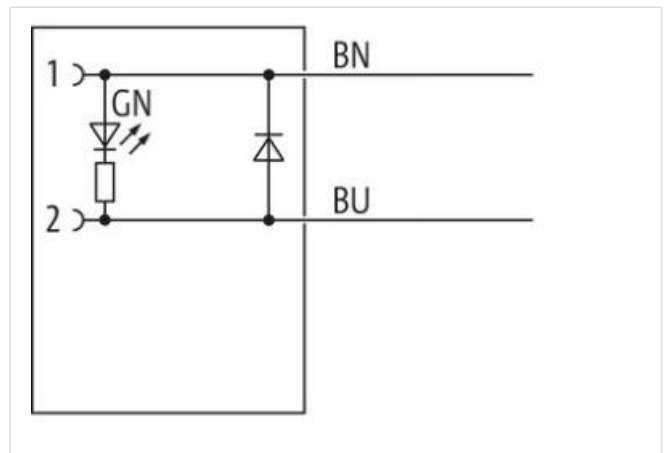
Flyback diode + LED

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**

Product may differ from Image



|              |      |
|--------------|------|
| Cable length | 10 m |
|--------------|------|

**Side 1**

|   |               |
|---|---------------|
| Mounting method                           | inserted      |
| Coating contact                           | nickel plated |
| Family construction form                  | MDC           |
| suitable for corrugated tube (internal Ø) | 10 mm         |
| Material contact                          | Copper alloy  |
| No. of poles                              | 2             |

**Side 2**

|                           |       |
|---------------------------|-------|
| Stripping length (jacket) | 20 mm |
|---------------------------|-------|

**Commercial data**

|                       |               |
|-----------------------|---------------|
| ECLASS-6.0            | 27279218      |
| ECLASS-6.1            | 27279218      |
| ECLASS-7.0            | 27279218      |
| ECLASS-8.0            | 27279218      |
| ECLASS-9.0            | 27060312      |
| ECLASS-10.1           | 27060312      |
| ECLASS-11.1           | 27060312      |
| ECLASS-12.0           | 27060312      |
| ETIM-5.0              | EC001855      |
| customs tariff number | 85444290      |
| GTIN                  | 4065909007013 |
| Packaging unit        | 1             |

**Electrical data | Supply**

|                                    |      |
|------------------------------------|------|
| Operating voltage DC min.          | 12 V |
| Operating voltage DC max.          | 24 V |
| Current operating per contact max. | 8 A  |

**Diagnostics**

|                       |       |
|-----------------------|-------|
| Status indication LED | green |
|-----------------------|-------|

**Installation | Connection**

|                           |                  |
|---------------------------|------------------|
| Stripping length (jacket) | 20 mm            |
| Family construction form  | Amphenol AT06-2S |

**Device protection | Electrical**

|                                       |                     |
|---------------------------------------|---------------------|
| Degree of protection (ISO 20653:2013) | IP66K, IP68, IP69K  |
| Pollution Degree                      | 2                   |
| Rated surge voltage                   | 0,8 kV              |
| Material group (IEC 60664-1)          | III                 |
| Additional suppressor                 | free-wheeling diode |

**Mechanical data | Material data**

|                  |         |
|------------------|---------|
| Material gasket  | Silicon |
| Material housing | PA      |

**Mechanical data | Mounting data**

|                    |                   |
|--------------------|-------------------|
| Looking techniques | Snap-in connector |
|--------------------|-------------------|

**Environmental characteristics | Climatic**

|  |                            |
|--|----------------------------|
| Operating temperature min.             | -25 °C                     |
| Operating temperature max.             | 85 °C                      |
| Additional condition temperature range | depending on cable quality |

**Installation | Cable**

|                      |     |
|----------------------|-----|
| Cable identification | 754 |
| Cable Type           | 3   |

|   |  |
|---|--|
| Jacket Color  | black  |
| Type of Certificate                                     | cURus  |
| Amount stranding  | 1  |
| Stranding   | 2 wires twisted  |
| wire arrangement  | brown, blue  |
| No. of bending cycles (C-track)                         | 10 Mio. @ 25 °C  |
| Cable weight  | 40,7 g/m   |
| Material jacket   | PUR  |
| Shore hardness jacket                                   | 90 ± 5 Shore A   |
| Freedom from ingredients (jacket)                       | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Outer-diameter (jacket)                                 | 5 mm   |
| Tolerance outer diameter (sheath)                       | ± 5 %  |
| Material wire insulation                                | PP   |
| Amount wires  | 2  |
| Outer diameter insulation                               | 1,7 mm   |
| Outer diameter tolerance core insulation                | ± 5 %  |
| Shore hardness wire insulation                          | 70 ± 5 Shore D   |
| Ingredient freeness wire insulation                     | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Amount strands (wire)                                   | 42   |
| Diameter of single wires                                | 0,15 mm  |
| Conductor crosssection (wire)                           | 0,75 mm²   |
| Material conductor wire                                 | Stranded copper wire, bare                                     |
| Conductor type (wire)                                   | strand class 6   |
| Traversing distance (C-track)                           | 10 m @ 25 °C   horizontal                                      |
| Current load capacity (standard)                        | to DIN VDE 0298-4  |
| Current load capacity min. wire                         | 12 A   |
| Electrical resistance line constant wire                | 26 Ω/km @ 20 °C  |
| Nominal voltage power AC max.                           | 300 V  |
| Power frequency withstand voltage power (wire - jacket) | 2,5 kV @ 60 s  |
| AC withstand voltage power (wire - wire)                | 2,5 kV @ 60 s  |
| Min. operating temperature (static)                     | -40 °C   |
| Max. operating temperature (fixed)                      | 80 °C / 90 °C @ 10000 h Operation                              |
| Operating temperature min. (dynamic)                    | -25 °C   |
| Operating temperature max. (dynamic)                    | 80 °C / 90 °C @ 10000 h Operation                              |
| UV resistance   | DIN EN ISO 4892-2 A  |
| Flame resistance  | UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2            |
| chemical resistance                                     | Good, application-related testing                              |
| Gasoline resistance                                     | Good, application-related testing                              |
| Oil resistance  | DIN EN 60811-404   Good, application-related testing           |
| Bending radius (fixed)                                  | 5 x Outer diameter   |
| Bending radius (dynamic)                                | 10 x Outer diameter  |
| No. of torsion cycles                                   | 2 Mio.   |
| Torsion speed   | 35 cycles/min  |
| Torsion stress  | ± 180 °/m  |