

**Valve plug MDC06-4s / M12 female 0° Xtreme**

PUR 4x0.75 bk UL/CSA+drag ch. 1m

Xtreme - Outdoor

Female straight – male straight

Stainless steel 1.4305 (V2A/M12)

6...230 V AC/DC

4-pole

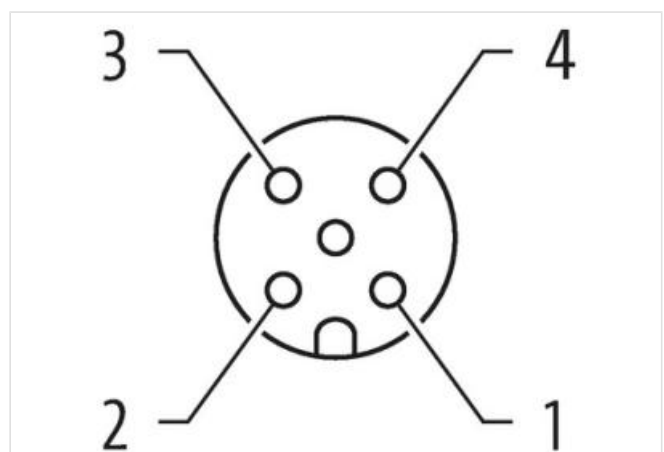
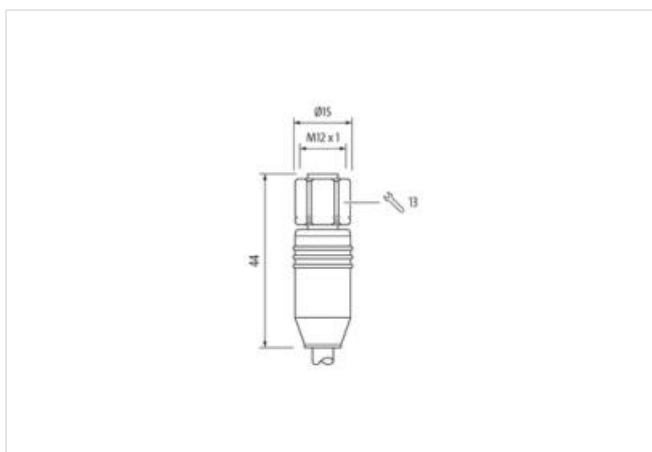
without components

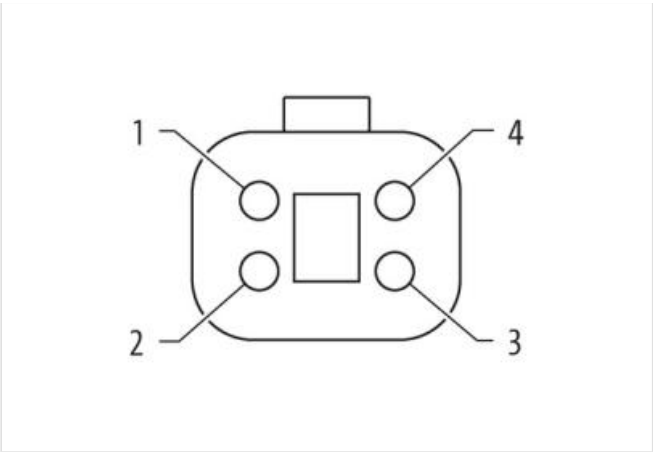
compatibel to Deutsch DT06-4S

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

|                                     |                   |
|-------------------------------------|-------------------|
| Cable length                        | 1 m               |
| Side 1                              |                   |
| Mounting method                     | inserted, screwed |
| Coating contact                     | nickel plated     |
| Family construction form            | M12               |
| Coding                              | A                 |
| Material contact                    | Copper alloy      |
| Material                            | PUR               |
| No. of poles                        | 4                 |
| Width across flats                  | SW14              |
| Degree of protection (EN IEC 60529) | IP65, IP66K, IP68 |
| Side 2                              |                   |
| Tightening torque                   | 0,6 Nm            |
| Mounting method                     | inserted, screwed |
| Coating contact                     | nickel plated     |
| Family construction form            | Amphenol AT06-4S  |
| Thread                              | M12 x 1           |
| Material                            | PA                |
| No. of poles                        | 4                 |
| Degree of protection (EN IEC 60529) | IP68              |
| Commercial data                     |                   |
| ECLASS-6.0                          | 27279218          |
| ECLASS-7.0                          | 27279218          |
| ECLASS-8.0                          | 27279218          |
| ECLASS-9.0                          | 27060311          |
| ECLASS-10.1                         | 27060312          |
| ECLASS-11.1                         | 27060312          |
| ECLASS-12.0                         | 27060312          |
| ETIM-5.0                            | EC001855          |
| customs tariff number               | 85444290          |
| GTIN                                | 4048879757256     |
| Packaging unit                      | 1                 |
| Electrical data   Supply            |                   |
| Operating voltage AC min.           | 6 V               |
| Operating voltage AC max.           | 230 V             |
| Operating voltage DC min.           | 6 V               |

|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating voltage DC max.                       | 230 V                                                                                                                                                 |
| Current operating per contact max.              | 4 A                                                                                                                                                   |
| <b>Diagnostics</b>                              |                                                                                                                                                       |
| Status indication LED                           | no                                                                                                                                                    |
| <b>Device protection   Electrical</b>           |                                                                                                                                                       |
| Pollution Degree                                | 3                                                                                                                                                     |
| Rated surge voltage                             | 2,5 kV                                                                                                                                                |
| Material group (IEC 60664-1)                    | I                                                                                                                                                     |
| Additional suppressor                           | without components                                                                                                                                    |
| <b>Mechanical data   Material data</b>          |                                                                                                                                                       |
| Material gasket                                 | Silicon                                                                                                                                               |
| Locking material                                | Stainless steel 1.4305 (V2A)                                                                                                                          |
| <b>Mechanical data   Mounting data</b>          |                                                                                                                                                       |
| Mounting method                                 | inserted, screwed, Shaking protection                                                                                                                 |
| Looking techniques                              | Snap-in connector                                                                                                                                     |
| <b>Environmental characteristics   Climatic</b> |                                                                                                                                                       |
| Operating temperature min.                      | -25 °C                                                                                                                                                |
| Operating temperature max.                      | 85 °C                                                                                                                                                 |
| Additional condition temperature range          | depending on cable quality                                                                                                                            |
| <b>Important installation notes</b>             |                                                                                                                                                       |
| Note on strain relief                           | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.                                                   |
| Note on bending radius                          | <b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |
| <b>Conformity</b>                               |                                                                                                                                                       |
| Product standard                                | DIN EN 61076-2-101 (M12)                                                                                                                              |
| <b>Installation   Cable</b>                     |                                                                                                                                                       |
| Cable identification                            | 569                                                                                                                                                   |
| Cable Type                                      | 3                                                                                                                                                     |
| Jacket Color                                    | black                                                                                                                                                 |
| Type of Certificate                             | cURus                                                                                                                                                 |
| Amount stranding                                | 1                                                                                                                                                     |
| Stranding                                       | 4 wires twisted                                                                                                                                       |
| wire arrangement                                | brown, black, blue, white                                                                                                                             |
| Cable weight                                    | 62,7 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)                         | 6,5 mm                                                                                                                                                |
| Tolerance outer diameter (sheath)               | ± 5 %                                                                                                                                                 |
| Material wire insulation                        | PP                                                                                                                                                    |
| Amount wires                                    | 4                                                                                                                                                     |
| Outer diameter insulation                       | 1,85 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                                                                                                                             |

|                                                   |                                                      |
|---------------------------------------------------|------------------------------------------------------|
| Nominal voltage AC max.                           | 300 V                                                |
| Current load capacity (standard)                  | to DIN VDE 0298-4                                    |
| Current load capacity min. wire                   | 9,6 A                                                |
| Electrical resistance line constant wire          | 26 $\Omega$ /km @ 20 °C                              |
| AC withstand voltage (wire - wire)                | 2,5 kV @ 60 s                                        |
| Power frequency withstand voltage (wire - jacket) | 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                                  | IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  |
| chemical resistance                               | Good, application-related testing                    |
| Gasoline resistance                               | Good, application-related testing                    |
| Oil resistance                                    | Good, application-related testing   DIN EN 60811-404 |
| Bending radius (fixed)                            | 5 x Outer diameter                                   |
| Bending radius (dynamic)                          | 10 x Outer diameter                                  |
| Travel speed (C-track)                            | 10 Mio. @ 25 °C                                      |
| No. of torsion cycles                             | 2 Mio.                                               |
| Torsion stress                                    | $\pm 180$ °/m                                        |
| Torsion speed                                     | 35 cycles/min                                        |