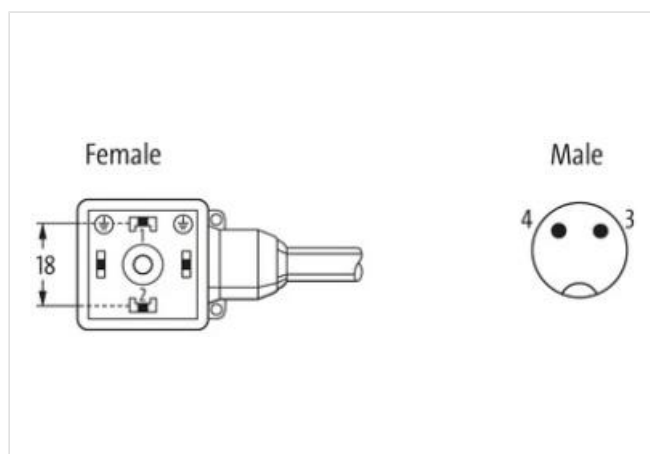
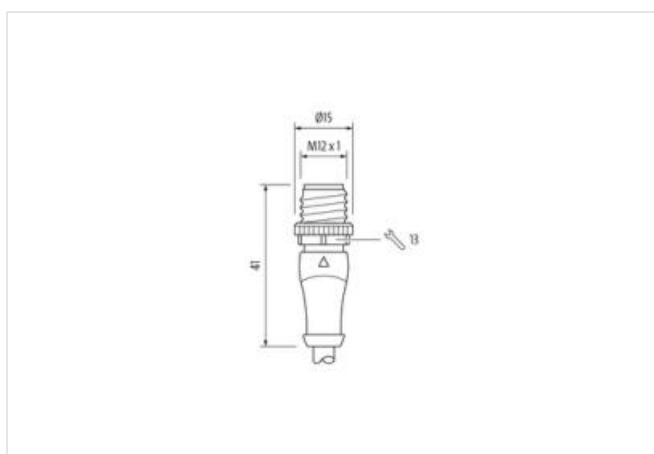
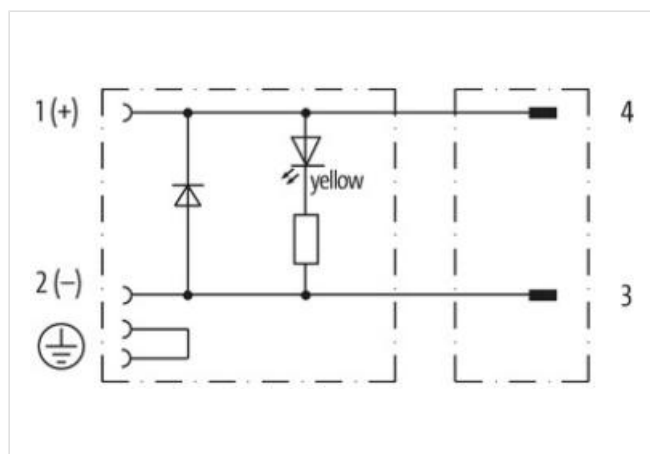


**M12 Xtreme male 0° A-cod. / MSUD valve plug A-18mm**

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

Xtreme - Outdoor  
 Stainless steel 1.4305 (V2A)  
 MSUD  
 Form A (18 mm)  
 4-pole  
 Male M12  
 straight  
 2-pole  
 12...24 V AC/DC  
 Flyback diode + LED

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



Product may differ from Image



|   |                         |
|---|-------------------------|
| Cable length                              | 2 m                     |
| Side 1                                    |                         |
| Tightening torque                         | 0,4 Nm                  |
| Coating contact                           | silver-plated           |
| Family construction form                  | MSUD                    |
| suitable for corrugated tube (internal Ø) | 10 mm                   |
| Material contact                          | Copper alloy            |
| Material                                  | PUR                     |
| No. of poles                              | 4                       |
| Degree of protection (EN IEC 60529)       | IP65, IP66K, IP67, IP68 |
| Side 2                                    |                         |
| Tightening torque                         | 0,6 Nm                  |
| Coating contact                           | gold plated             |
| Family construction form                  | M12                     |
| Material contact                          | Copper alloy            |
| Material                                  | PBT                     |
| No. of poles                              | 2                       |
| Width across flats                        | SW14                    |
| Degree of protection (EN IEC 60529)       | IP65, IP66K, IP67, 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                                      | 4048879307505           |
| Packaging unit                            | 1                       |
| Electrical data   Supply                  |                         |

|                                    |       |
|------------------------------------|-------|
| Operating voltage DC min.          | 12 V  |
| Operating voltage DC max.          | 24 V  |
| Cut-off peak voltage max.          | 1,3 V |
| Current operating per contact max. | 4 A   |
| Current consumption max.           | 7 mA  |

#### Diagnostics

|                       |        |
|-----------------------|--------|
| Status indication LED | yellow |
|-----------------------|--------|

#### Installation | Connection

|              |    |
|--------------|----|
| Mounting set | M3 |
|--------------|----|

#### Device protection | Electrical

|  |                            |
|--|----------------------------|
| Additional condition protection degree | inserted, screwed          |
| Pollution Degree                       | 3                          |
| Rated surge voltage                    | 0,8 kV                     |
| Material group (IEC 60664-1)           | I                          |
| Additional suppressor                  | Diode, free-wheeling diode |

#### Mechanical data | Material data

|                  |                              |
|------------------|------------------------------|
| Color housing    | black                        |
| Material gasket  | Silicon                      |
| Material housing | Plastic                      |
| Locking material | Stainless steel 1.4305 (V2A) |

#### Mechanical data | Mounting data

|                 |                   |
|-----------------|-------------------|
| Mounting method | inserted, screwed |
|-----------------|-------------------|

#### Environmental characteristics | Climatic

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

#### Important installation notes

|                        |   |
|------------------------|---|
| 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. |

#### Conformity

|                  |                          |
|------------------|--------------------------|
| Product standard | DIN EN 61076-2-101 (M12) |
|------------------|--------------------------|

#### 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  |
| Traversing distance (C-track)            | 10 m @ 25 °C   horizontal                                      |
| 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   |
| Nominal voltage AC max.                           | 300 V  |
| 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  |
| 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                                  | 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  |
| Travel speed (C-track)                            | 10 Mio. @ 25 °C  |
| No. of torsion cycles                             | 2 Mio.   |
| Torsion stress                                    | ± 180 °/m  |
| Torsion speed                                     | 35 cycles/min  |