

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

PUR 5x0.34 bk UL/CSA+drag ch. 7m

Form A (18 mm) – M12, male straight

24 V DC  $\pm 25\%$ 

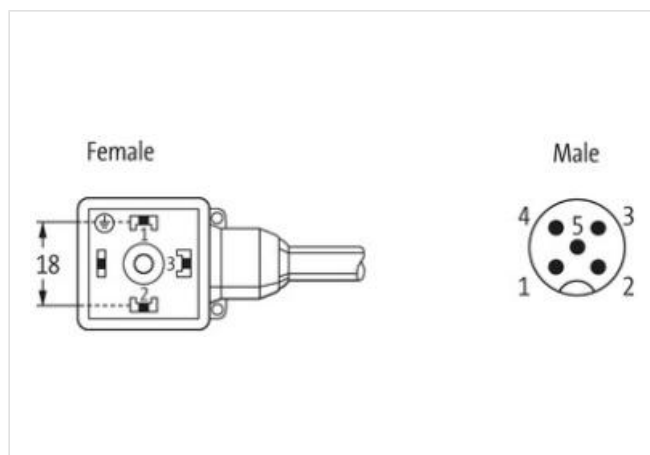
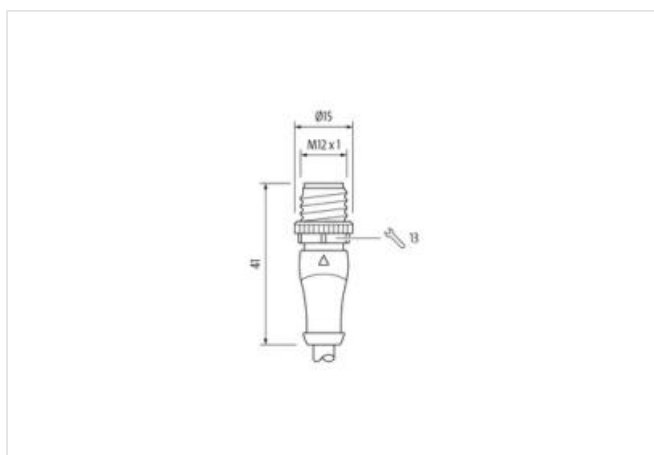
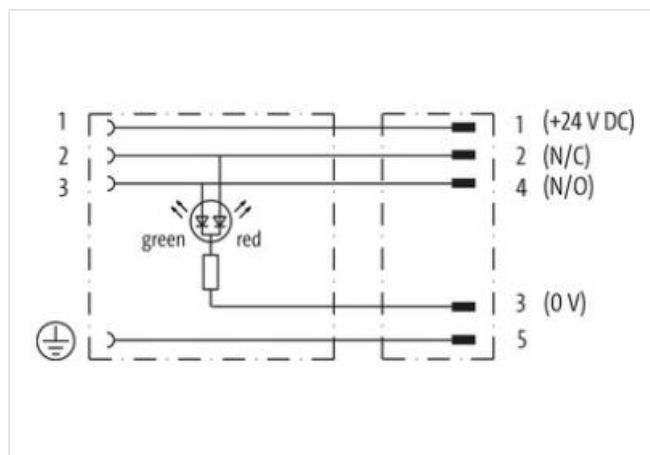
LED (red/green)

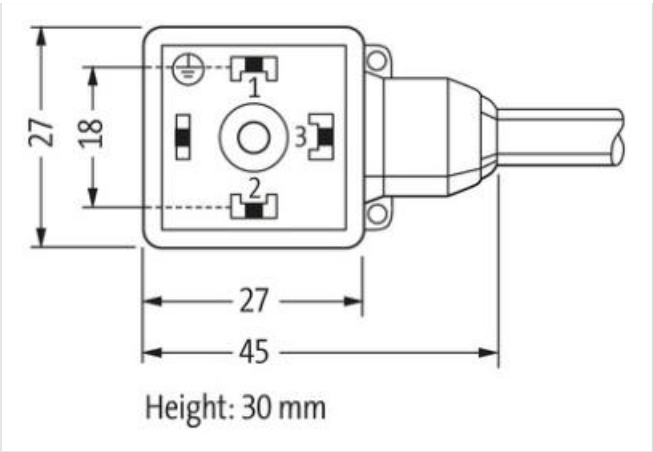
for pressure switches

Further cable lengths on request.

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                           | 7 m               |
| Side 1                                 |                   |
| Tightening torque                      | 0,4 Nm            |
| Family construction form               | MSUD              |
| Thread                                 | M3                |
| Degree of protection (EN IEC 60529)    | IP67              |
| Side 2                                 |                   |
| Tightening torque                      | 0,6 Nm            |
| Family construction form               | M12               |
| Thread                                 | M12 x 1           |
| Width across flats                     | SW13              |
| Degree of protection (EN IEC 60529)    | IP67              |
| 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                                   | 4048879150347     |
| Packaging unit                         | 1                 |
| Electrical data   Supply               |                   |
| Operating voltage DC                   | 24 V              |
| Operating voltage DC min.              | 18 V              |
| Operating voltage DC max.              | 30 V              |
| Current operating per contact max.     | 4 A               |
| Device protection   Electrical         |                   |
| Additional condition protection degree | inserted, screwed |
| Pollution Degree                       | 3                 |

Rated surge voltage 0,8 kV

#### Mechanical data | Material data

Color housing black  
Material housing Plastic

#### 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 **Attention:** 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); DIN EN 175301-803 (Ventilstecker)

#### Installation | Cable

Cable identification 635  
Cable Type 3  
Jacket Color black  
Type of Certificate cURus  
Amount stranding 1  
Stranding 5 wires around Core filler twisted  
Filler yes  
wire arrangement brown, black, blue, white, green-yellow  
Cable weight 41,8 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) 4,8 mm  
Tolerance outer diameter (sheath) ± 5 %  
Material wire insulation PP  
Amount wires 5  
Outer diameter insulation 1,25 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 0,1 mm  
Conductor crosssection (wire) 0,34 mm<sup>2</sup>  
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 4,5 A  
Electrical resistance line constant wire 57 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 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  |
| 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                       | ± 180 °/m                                            |
| Torsion speed                        | 35 cycles/min                                        |