

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

PUR 5x0.34 bk UL/CSA+drag ch. 1m

**MSUD**

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

Form A (18 mm) – M12, male straight

24 V DC  $\pm 25\%$ 

LED (yellow/green)

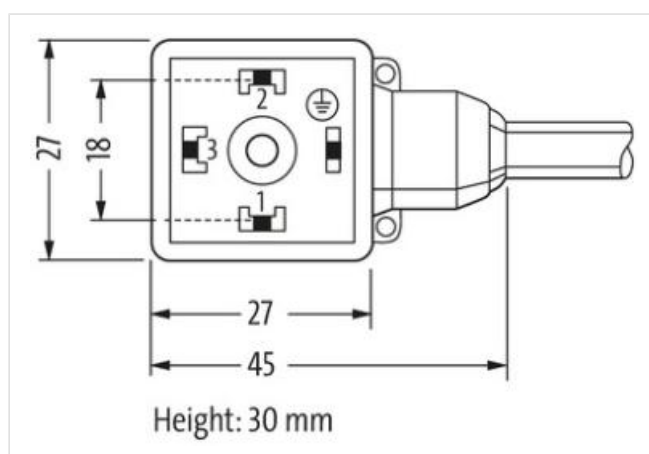
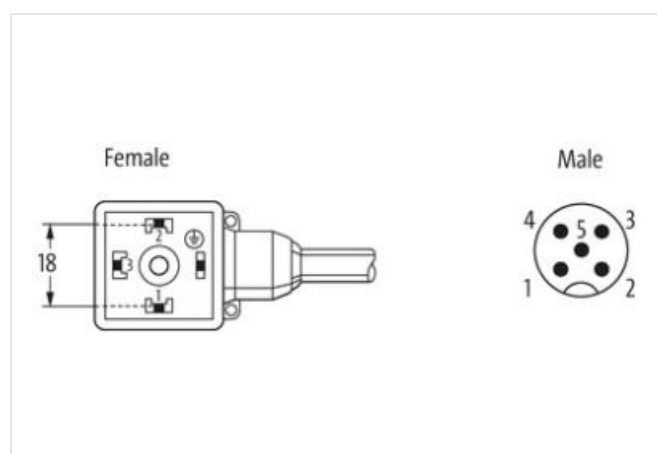
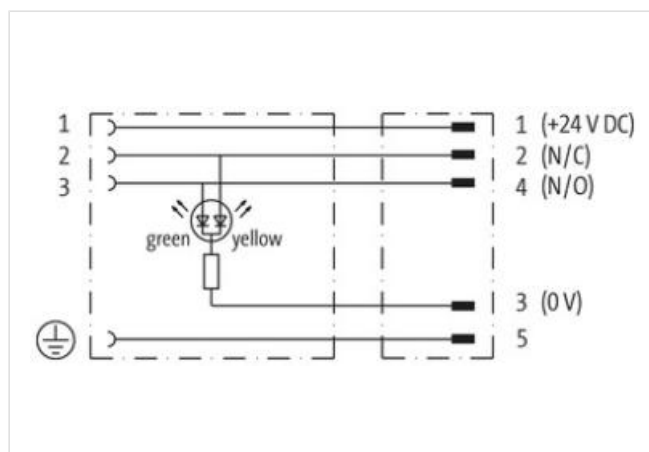
for pressure switches

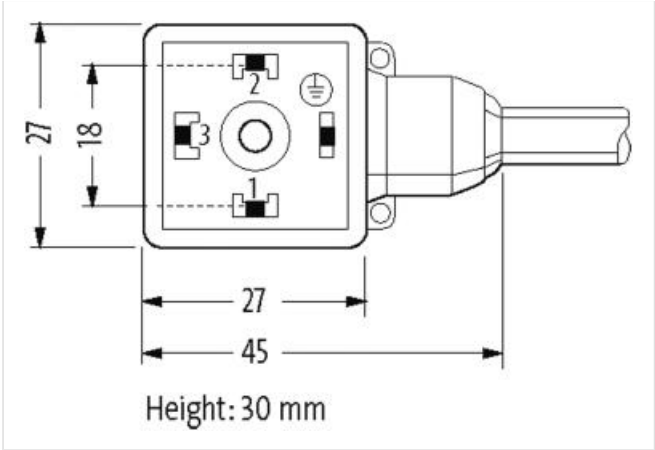
Attention: Contact carrier turned to 180°!

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

Further cable lengths on request.

Plastic housings with good resistance against chemicals and oils.

[Linkki tuotteeseen](#)**Kuvat**



Tuote voi erota kuvassa olevasta



|                                           |               |
|-------------------------------------------|---------------|
| Cable length                              | 1 m           |
| Side 1                                    |               |
| Tightening torque                         | 0,4 Nm        |
| Family construction form                  | MSUD          |
| Thread                                    | M3            |
| Material                                  | PUR           |
| Degree of protection (EN IEC 60529)       | IP67          |
| Side 2                                    |               |
| Tightening torque                         | 0,6 Nm        |
| Family construction form                  | M12           |
| Thread                                    | M12 x 1       |
| suitable for corrugated tube (internal Ø) | 10 mm         |
| Material                                  | PBT           |
| Width across flats                        | SW13          |
| Degree of protection (EN IEC 60529)       | IP67          |
| Kaupalliset tiedot                        |               |
| 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      |
| GTIN                                      | 4048879333665 |
| Pakkauskoko                               | 1             |
| Tullinumero                               | 85444290      |
| 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           |

Current consumption max. 15 mA

#### Diagnostics

Status indication LED green, yellow

#### Device protection | Electrical

Additional condition protection degree inserted, screwed

Pollution Degree 3

Rated surge voltage 0,8 kV

Material group (IEC 60664-1) I

#### Mechanical data | Material data

Coating locking Nickeled

Color housing black

Material gasket PUR

Material housing Plastic

Locking material Zinc die-casting

#### 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

#### 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

Travel speed (C-track) 10 Mio. @ 25 °C

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                                  |
| No. of torsion cycles                             | 2 Mio.                                               |
| Torsion speed                                     | 35 cycles/min                                        |
| Torsion stress                                    | ± 180 °/m                                            |