

**M12 male 90° A-cod. / MSUD valve plug A-18mm**

PUR 5x0.34 ye UL/CSA+drag ch. 2m

**MSUD**

Form A (18 mm) – M12, male 90°

24 V DC  $\pm 25\%$ 

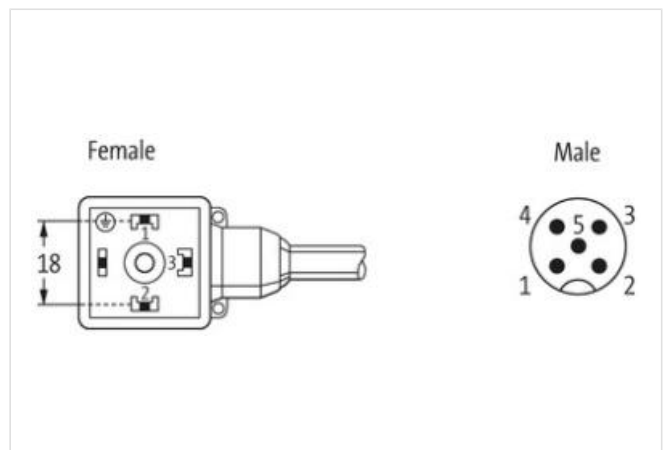
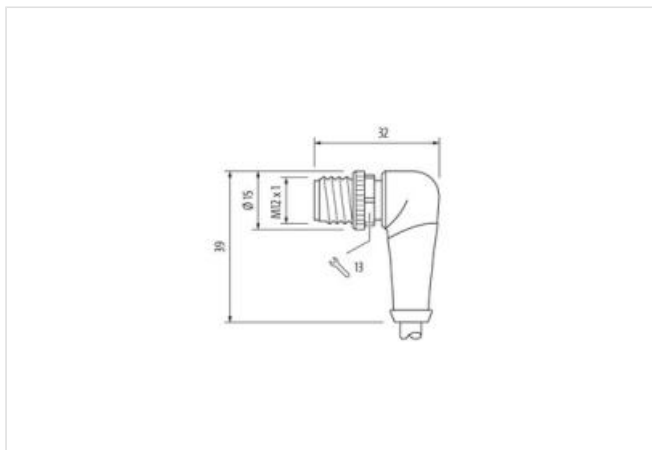
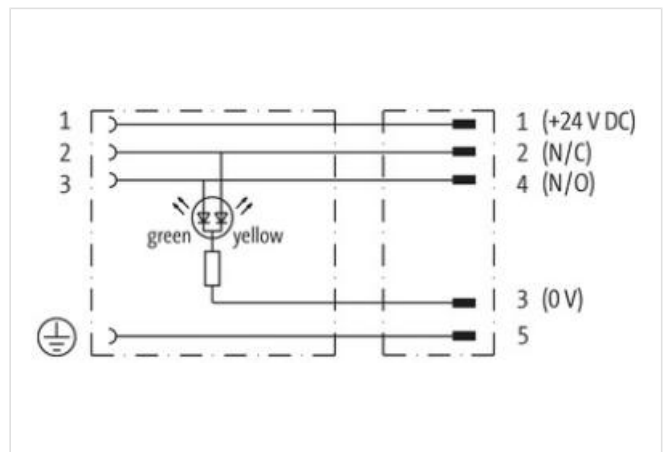
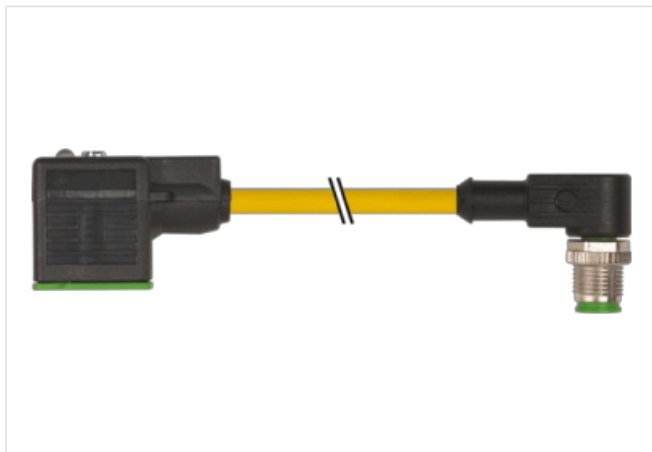
LED (yellow/green)

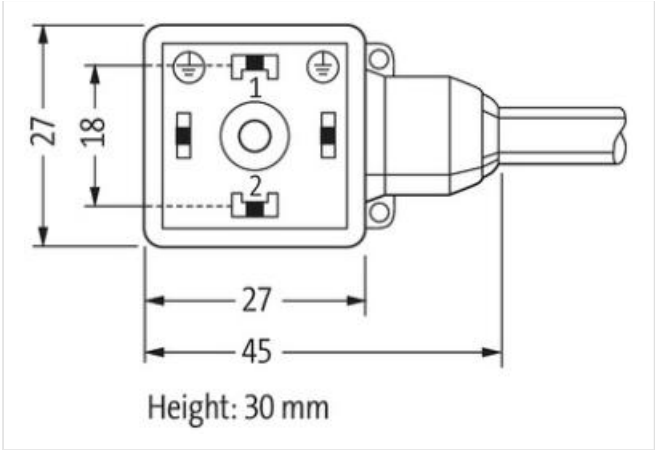
for pressure switches

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	2 m
Side 1	
Tightening torque	0,4 Nm
Family construction form	MSUD
Thread	M3
Degree of protection (EN IEC 60529)	IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
Degree of protection (EN IEC 60529)	IP66K, IP67
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	4048879447836
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
Current consumption max.	12 mA
Device protection   Electrical	

Additional condition protection degree inserted, screwed

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

#### Installation | Cable

Cable identification 035

Cable Type 3

Jacket Color yellow

Type of Certificate cURus

Amount stranding 1

Stranding 5 wires around Core filler twisted

Filler yes

wire arrangement brown, black, blue, white, green-yellow

No. of bending cycles (C-track) 10 Mio. @ 25 °C

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 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 4,5 A

Electrical resistance line constant wire 57 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

Flame resistance UL 1581 § 1100 FT2 | IEC 60332-2-2 | UL 1581 § 1090

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	$\pm 180$ °/m