

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

PUR 5x0.34 ye UL/CSA 1m

⚠ NOTICE ⚠**PRODUCT IS DISCONTINUED. PLEASE HAVE A LOOK AT THE ALTERNATIVE PRODUCTS.****MSUD**

Form A (18 mm) – M12, male 90°

24 V DC $\pm 25\%$

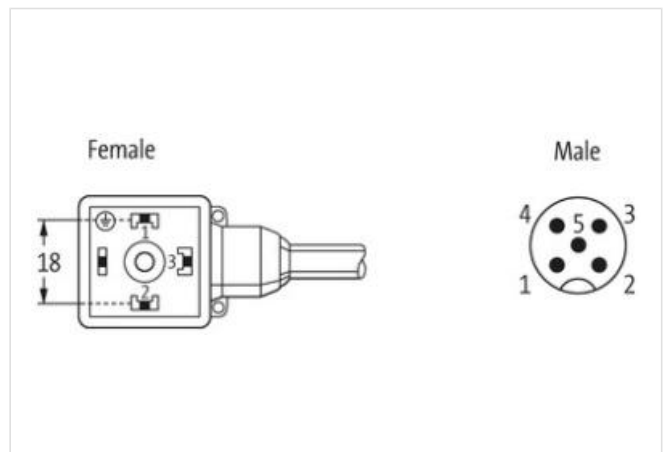
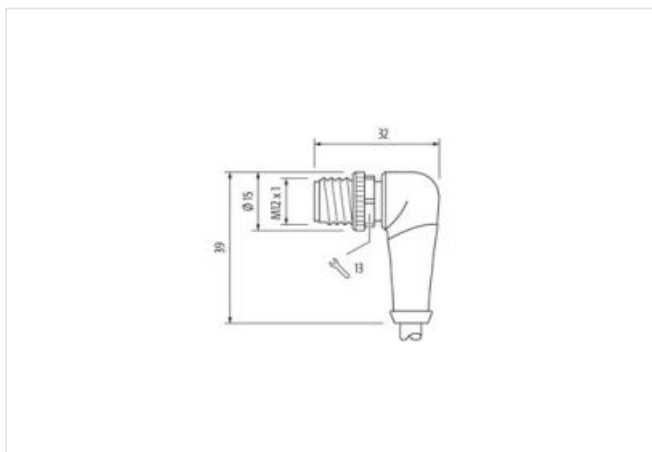
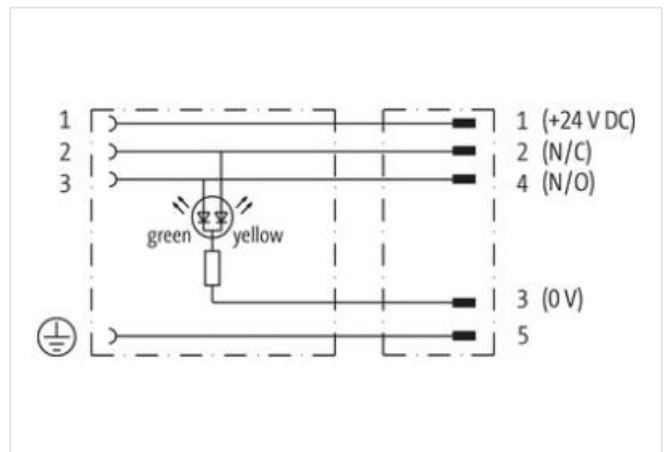
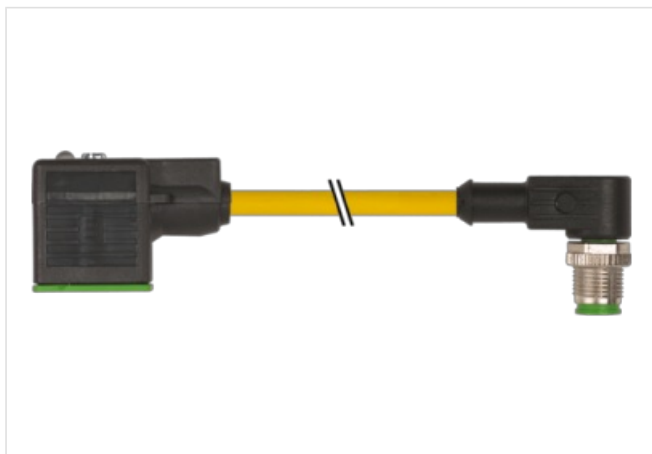
LED (yellow/green)

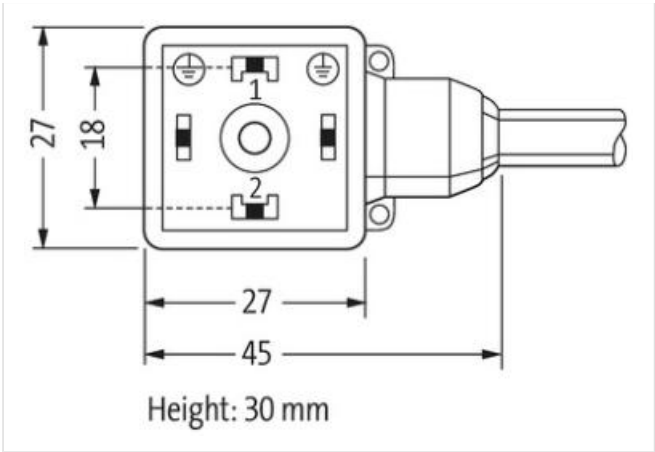
for pressure switches

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	1 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	4048879610377
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	834
----------------------	-----

Jacket Color	blue
--------------	------

Type of Certificate	cURus
---------------------	-------

Amount stranding	1
------------------	---

Stranding	2 wires twisted
-----------	-----------------

Amount stranding (type 2)	1
---------------------------	---

Stranding (type 2)	2 Stranded joints twisted
--------------------	---------------------------

Cable shielding (type)	copper braid, tinned
------------------------	----------------------

Cable shielding (coverage)	65 %
----------------------------	------

Banding	Foil
---------	------

Drain wire (cross-section)	22 AWG
----------------------------	--------

wire arrangement	(white, blue), (black, red)
------------------	-----------------------------

Cable weight	63,12 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)	6,9 mm
-------------------------	--------

Tolerance outer diameter (sheath)	± 5 %
-----------------------------------	-------

Material wire insulation	PE
--------------------------	----

Amount wires	2
--------------	---

Outer diameter insulation	2,1 mm
---------------------------	--------

Outer diameter tolerance core insulation	± 5 %
--	-------

Shore hardness wire insulation	64 ± 5 Shore D
--------------------------------	----------------

Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
-------------------------------------	-----------------------------------

Amount strands (wire)	19
-----------------------	----

Diameter of single wires	24 AWG
--------------------------	--------

Conductor crosssection (wire)	24 AWG
-------------------------------	--------

Drain wire (cross-section)	22 AWG
----------------------------	--------

Material conductor wire	copper stranded wire, tinned
-------------------------	------------------------------

Electrical function wire	Data
--------------------------	------

Material wire insulation (Data)	PE
---------------------------------	----

Outer diameter wire insulation (Data)	1,5 mm
---------------------------------------	--------

Tolerance outer diameter wire insulation (data)	± 53 %
---	--------

Ingredient freeness wire insulation (Data)	lead-free, CFC-free, halogen-free
--	-----------------------------------

Amount wires (Data)	2
---------------------	---

Amount strands wire (Data)	19
----------------------------	----

Diameter of single wires (Data)	22 AWG
---------------------------------	--------

Conductor crosssection wire (Data)	22 AWG
------------------------------------	--------

Material conductor wire (Data)	copper stranded wire, tinned
--------------------------------	------------------------------

Electrical function wire (data)	Power
---------------------------------	-------

Traversing distance (C-track)	5 m
Travel speed (C-track)	1 Mio.
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Current load capacity min. Wire (Data)	6 A
Electrical function wire	Data
Electrical function wire (data)	Power
Characteristic impedance	120 $\Omega \pm 10\%$ @ 1 MHz
Electrical resistance line constant wire	78 Ω/km
Electrical resistance coating wire (Data)	54 Ω/km
AC withstand voltage (wire - wire)	2 kV @ 60 s
Electric capacitance	40000 pF/km
AC withstand voltage (wire - shield)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
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 (installation)	x Outer diameter
Bending radius (fixed)	6 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of torsion cycles	2 Mio.
Torsion stress	$\pm 30^\circ/\text{m}$
Torsion speed	35 cycles/min