

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

PUR 3x0.75 ye UL/CSA+drag ch. 1.5m

Form A (18 mm) – M12, male 90° 24 V AC ±20% / DC ±25% LED and suppression Bridged PE

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

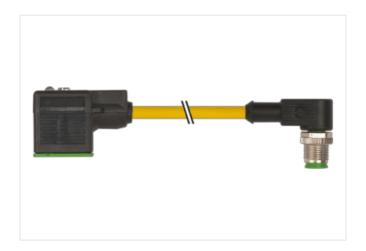
Further cable lengths on request.

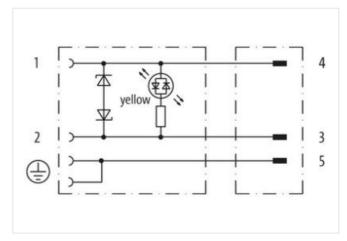
Plastic housings with good resistance against chemicals and oils.

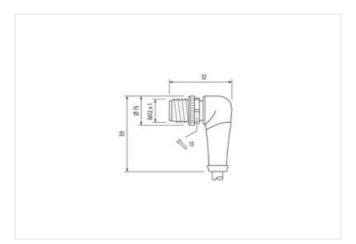
The resistance to aggressive media should be individually tested for your application. Further details on request.

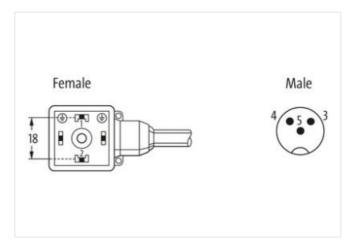
## **Link to Product**

## Illustration











stay connected



Product may differ from Image









Side 1 Tightening torque Family construction form Thread	0,6 Nm  MSUD  M12 x 1  PUR
Family construction form	MSUD M12 x 1
	M12 x 1
Thomas	
Inread	PUR
Material	· •··
Degree of protection (EN IEC 60529)	IP67
Side 2	
Tightening torque	0,4 Nm
Family construction form	M12
Thread	M3
suitable for corrugated tube (internal Ø)	10 mm
Material	PBT
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	4048879151405
Packaging unit	1
Electrical data	
Drop-out delay time max.	20 ms
Electrical data   Supply	
Operating voltage AC	24 V



stay connected

19,2 V
13,2 V
28,8 V
24 V
18 V
30 V
55 V
4 A
15 mA
yellow
inserted, screwed
3
0,8 kV
I
Diode, Z-Diode
Nickeled
black
PUR
Plastic
Zinc die-casting
insented annual
inserted, screwed
-25 °C
85 °C
depending on cable quality
Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
black 1, black 2, green-yellow
036
3
white (isolation black)
yellow
cURus
1
3 wires twisted
3 WIFES TWISTED
black 1, black 2, green-yellow
black 1, black 2, green-yellow 56,1 g/m PUR
black 1, black 2, green-yellow 56,1 g/m PUR 90 ± 5 Shore A
black 1, black 2, green-yellow  56,1 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
black 1, black 2, green-yellow  56,1 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  5,9 mm
black 1, black 2, green-yellow  56,1 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free 5,9 mm  ± 5 %
black 1, black 2, green-yellow  56,1 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  5,9 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
Printing color of wire insulation	white (isolation black)
Amount strands (wire)	42
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,75 mm <sup>2</sup>
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)	00.00 / 00.00 O 40000 h O
	80 °C / 90 °C @ 10000 h Operation
Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
Flame resistance chemical resistance	
	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
chemical resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  Good, application-related testing
chemical resistance Gasoline resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  Good, application-related testing  Good, application-related testing
chemical resistance Gasoline resistance Oil resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  Good, application-related testing  Good, application-related testing   DIN EN 60811-404
chemical resistance Gasoline resistance Oil resistance Bending radius (fixed)	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  Good, application-related testing  Good, application-related testing  Good, application-related testing   DIN EN 60811-404  5 x Outer diameter
chemical resistance Gasoline resistance Oil resistance Bending radius (fixed) Bending radius (dynamic)	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  Good, application-related testing  Good, application-related testing  Good, application-related testing   DIN EN 60811-404  5 x Outer diameter  10 x Outer diameter
chemical resistance Gasoline resistance Oil resistance Bending radius (fixed) Bending radius (dynamic) No. of bending cycles (C-track)	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  Good, application-related testing  Good, application-related testing  Good, application-related testing   DIN EN 60811-404  5 x Outer diameter  10 x Outer diameter  10 Mio. @ 25 °C
chemical resistance Gasoline resistance Oil resistance Bending radius (fixed) Bending radius (dynamic) No. of bending cycles (C-track) Traversing distance (C-track)	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  Good, application-related testing  Good, application-related testing   DIN EN 60811-404  5 x Outer diameter  10 x Outer diameter  10 Mio. @ 25 °C   horizontal
chemical resistance Gasoline resistance Oil resistance Bending radius (fixed) Bending radius (dynamic) No. of bending cycles (C-track) Traversing distance (C-track) Travel speed (C-track)	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  Good, application-related testing  Good, application-related testing   DIN EN 60811-404  5 x Outer diameter  10 x Outer diameter  10 Mio. @ 25 °C  10 m @ 25 °C   horizontal  3 m/s @ 25 °C