

M12 male 90° A-cod. / MSUD valve plug B-10mm

PUR 3x0.75 bk UL/CSA+robot+drag ch. 2m

Form B (10 mm) – M12, male 90°

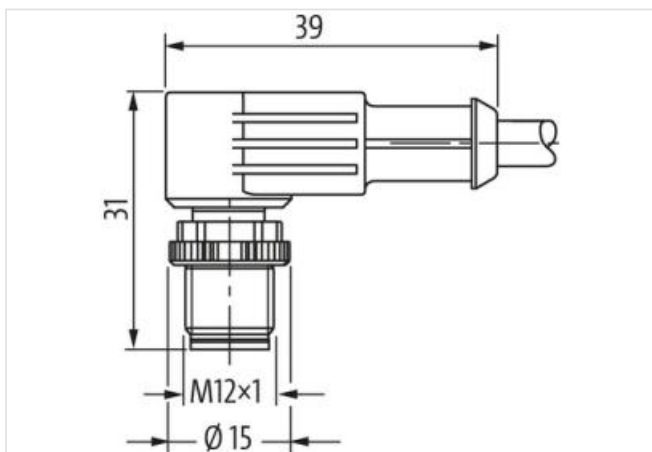
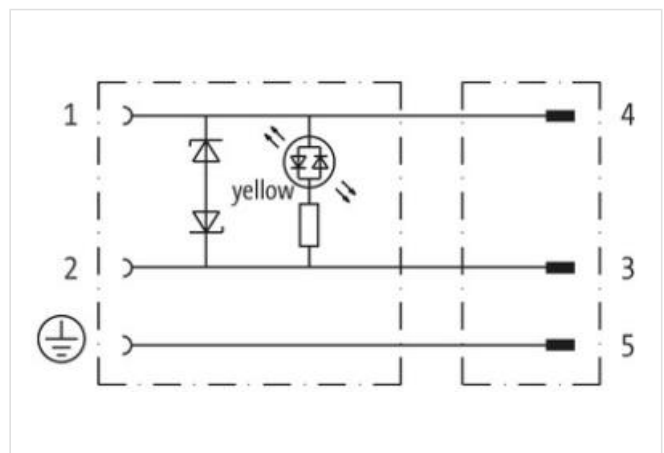
24 V AC $\pm 20\%$ / DC $\pm 25\%$

LED and suppression

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

**Form**

Form 41021

Technical DataOperating voltage 24 V AC $\pm 20\%$ / DC $\pm 25\%$

Rated surge voltage	0.8 kV
Operating current per contact	max. 4 A
Current consumption	approx. 12 mA
Switch off peak	max. 55 V
LED display	(yellow)
Locking of ports	M3/M12×1 mm (recommended torque 0.4/0.6 Nm)
Protection	IP66K, IP67 inserted and tightened (EN 60529)
Housing	Black plastic (gray on request)
Switch off delay time	max. 20 ms

General data

Temperature range	-25...+85 °C, depending on cable quality
-------------------	--

Cables

Cable identification	656
Cable Type	5 (PUR schweißfunkenbeständig)
Approval (cable)	cURus (AWM-Style 20549/10493); CE conform
Cable weight [g/m]	48,4 g
Material (wire)	Cu wire, bare
Resistor (core)	max. 26 Ω/km (20 °C)
Single wire Ø (core)	0.15 mm
Construction (core)	42× 0.15 mm (multi-strand wire class 6)
Diameter (core)	3× 0.75 mm²
AWG	similar to AWG 18
Material (wire isolation)	PP
Material property (wire isolation)	CFC-, halogen-, cadmium-, silicone- and lead-free
Shore hardness (wire isolation)	58 ±3 D
Wire-Ø incl. isolation	1.7 mm ±5%
Color/numbering of wires	bk numbered, gnye longitudinally striped
Stranding combination	3 wires twisted
Shield	no
Material (jacket)	PUR
Material property (jacket)	CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis-, microbial- and welding spark resistant
Shore hardness (jacket)	58 ±3 D
Outer-Ø (jacket)	5.2 mm ±5%
Color (jacket)	black
chemical resistance	good resistance to oil, gasoline and chemicals (EN 60811-404)
thermal resistance	flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant
Nominal voltage	300 V AC
Test voltage	2500 V AC
Current load capacity	to DIN VDE 0298-4
Temperature range (fixed)	-40...+80 °C, (+90 °C at max. 10 000 operating hours)
Temperature range (mobile)	-25...+80 °C, (+90 °C at max. 10 000 operating hours)
Bend radius (fixed)	5× outer Ø
Bend radius (moving)	10× outer Ø
No. of bending cycles (C-track)	max. 10 Mio. (25 °C)
Travel speed (C-track)	max. 3.3 m/s
Acceleration (C-track)	max. 5 m/s²
Torsion stress	±360°/m
No. of torsion cycles	max. 1 Mio. (25 °C)
Torsion speed	35 cycles/min
Product article number of manufacturer	7000-41021-6560200
Cable length	2 m