

**M8 male 0° A-cod. / MSUD valve plug BI-11mm**

PUR 3x0.34 bk UL/CSA 3m

MSUD

Further cable lengths on request.

Form BI (11 mm)

3-pole

Male M8

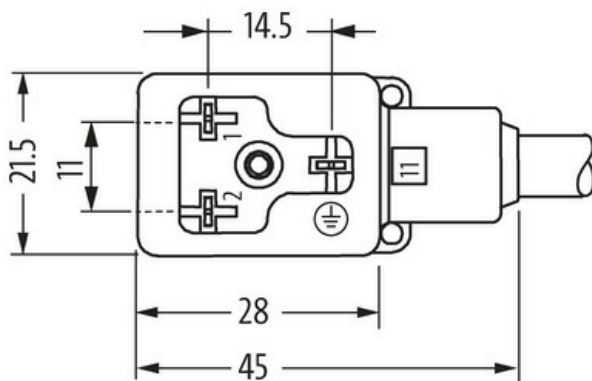
straight

4-pole

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

Z-Diode + LED

Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request

[Link to Product](#)**Illustration**

Height: 30 mm

Product may differ from Image

**Form**

Form 88791

**Technical Data**

Operating voltage	24 V AC $\pm 20\%$ / DC $\pm 25\%$
Rated surge voltage	0.8 kV
Operating current per contact	max. 4 A
No. of poles	MSUD (3); M8 (4)
Current consumption	15 mA
Material group	IEC 60664-1, category I
Switch off peak	max. 55 V
LED display	yellow
Locking of ports	M3/M8 (recommended torque 0.4 Nm)
Compression gland	M8 (SW9)
Protection	IP65 and IP67 when plugged and screwed down (EN 60529)
Material	MSUD (PBT); M8 (PUR)
Locking material	Zinc die casting, matte nickel plated
suitable for corrugated tube (internal $\varnothing$ )	6.5 mm
Housing	Black plastic (gray on request)
Additional suppressor	Diode/Z-Diode

**General data**

Standards	DIN EN 61076-2-104 (M8)
Mounting method	inserted, tightened
Material (contact)	Copper alloy
Material (contact surface)	MSUD (Ag); M8 (Au)
Material (gasket)	PUR
Pollution Degree	3
Temperature range	-25...+85 °C, depending on cable quality

**Cables**

Cable identification	623
Cable Type	2 (PUR/PVC)
Approval (cable)	UL (AWM-Style 20549/1731), CSA; CE conform
Cable weight [g/m]	35,97 g
Material (wire)	Cu wire, bare
Resistor (core)	max. 57 $\Omega$ /km (20 °C)
Single wire $\varnothing$ (core)	0.1 mm
Construction (core)	42x 0.1 mm (multi-strand wire class 6)
Diameter (core)	3x 0.34 mm <sup>2</sup>
AWG	similar to AWG 22
Material (wire isolation)	PVC
Material property (wire isolation)	CFC-, cadmium-, silicone- and lead-free
Shore hardness (wire isolation)	43 $\pm 5$ D
Wire- $\varnothing$ incl. isolation	1.25 mm $\pm 5\%$
Color/numbering of wires	black similar to RAL 9005
Stranding combination	3 wires twisted
Shield	no
Material (jacket)	PUR/PVC
Material property (jacket)	CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant

Shore hardness (jacket)	80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)
Outer-Ø (jacket)	4.3 mm ±5%
Color (jacket)	black
Cable labeling	see frame delivery specifications 7000-00000-001
chemical resistance	good resistance to oil, gasoline and chemicals
Nominal voltage	UL 300 V AC
Test voltage	2000 V AC
Current load capacity	to DIN VDE 0298-4
Temperature range (fixed)	-30...+80 °C
Temperature range (mobile)	-5...+80 °C
Bend radius (fixed)	10× outer Ø
Bend radius (moving)	15× outer Ø
No. of bending cycles (C-track)	max. 2 Mio. (25 °C)
Travel speed (C-track)	max. 3.3 m/s
Acceleration (C-track)	max. 5 m/s <sup>2</sup>

#### Commercial data

country of origin	CZ
customs tariff number	85444290
EAN	4048879464581
eClass	27279218
Packaging unit	1.000