

**M8 male 0° / M12 female 90° A-cod. LED**

PVC 3x0.25 gy UL/CSA 1m

Male straight – female 90°

M8 – M12, 3-pole

2× LED (PNP), (NPN) on request

Art-No. 7005 - M12/M8 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**



Product may differ from Image



\* only for products with UL/CSA approved cable

**Form**

Form 88281

**Technical Data**

Operating voltage	24 V DC $\pm 25\%$
Operating voltage (only UL listed)	30 V DC
Rated surge voltage	0.8 kV
Operating current per contact	max. 4 A
No. of poles	3-pole
Material group	IEC 60664-1, category I
Coding	M12, A-coded
LED display	yellow/green
Locking of ports	Screw thread (M8/M12x1 mm) recommended torque 0.4/0.6 Nm, self-securing
Compression gland	M8 (SW9), M12 (SW13)
Protection	IP65, IP66K, IP67 inserted and tightened (EN 60529)
Material	PUR
Locking material	Zinc die casting, matte nickel plated
suitable for corrugated tube (internal Ø)	M12 (10 mm); M8 (6.5 mm)

**General data**

Standards	DIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8)
Mounting method	inserted, tightened
Material (contact)	Copper alloy
Material (contact surface)	Au
Material (gasket)	FKM
Pollution Degree	3
Temperature range	-25...+85 °C, depending on cable quality

**Cables**

No./diameter of wires	3x 0.25 mm <sup>2</sup>
Wire isolation	PVC (br, bl, bk)
Outer Ø	4.5 mm $\pm 5\%$
Cable identification	210
Cable Type	1 (PVC)
Approval (cable)	UL (AWM-Style 2464/1731), CSA

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Cable weight [g/m]	29,37 g
Material (wire)	Cu wire, bare
Resistor (core)	max. 79 Ω/km (20 °C)
Single wire Ø (core)	0.15 mm
Construction (core)	14× 0.15 mm (multi-strand wire class 5)
Diameter (core)	3× 0.25 mm <sup>2</sup>
AWG	similar to AWG 24
Material (wire isolation)	PVC
Material property (wire isolation)	CFC-, cadmium-, silicone- and lead-free
Shore hardness (wire isolation)	45 ±5 D
Wire-Ø incl. isolation	1.25 mm ±5%
Color/numbering of wires	br, bk, bl
Stranding combination	3 wires twisted
Shield	no
Material (jacket)	PVC
Material property (jacket)	CFC-, cadmium-, silicone- and lead-free
Shore hardness (jacket)	85 ±5 A
Outer-Ø (jacket)	4.5 mm ±5%
Color (jacket)	gray
Jacket Color	gray
Cable print	-
chemical resistance	good resistance to oil, gasoline and chemicals
thermal resistance	flame retardant UL 1581 VW1 / CSA FT1
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 (fixed)	-30...+80 °C
Temperature range (mobile)	-5...+80 °C
Temperature range (mobile)	-5...+80 °C
Bend radius (fixed)	5× outer Ø
Bend radius (moving)	10× outer Ø
Bend radius (moving)	10× outer Ø
Material (jacket)	PVC (UL/CSA)
<b>Commercial data</b>	
country of origin	DE
customs tariff number	85444290
EAN	4048879122146
eClass	27279218
Packaging unit	1.000