

M12 female 90° A-cod. with cable LED

PUR 5x0.34 bk UL/CSA+drag ch. 1.5m

Female 90°

M12, 5-pole

3x LED (PNP)

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

Further cable lengths on request.

[Link to Product](#)

Illustration



(* for cable type 126, 732, 219, 619)



Female



Product may differ from Image



* only for products with UL/CSA approved cable

Form

Form 12441

Technical Data

Operating voltage	24 V DC $\pm 25\%$
Operating voltage (only UL listed)	max. 30 V DC
Rated surge voltage	0.8 kV
Operating current per contact	max. 4 A
Material group	IEC 60664-1, category I
Coding	A-coded
LED display	LED (green): Power / LED (yellow): (S1) / LED (white): Signal (S2) port 1...4
Locking of ports	Screw thread (M12 \times 1 mm) recommended torque 0.6 Nm, self-securing
Compression gland	M12 (SW13)
Protection	IP65, IP66K, IP67 inserted and tightened (EN 60529)
Material	PUR
Locking material	Zinc die casting, nickel-plated
suitable for corrugated tube (internal \varnothing)	10 mm

General data

Standards	DIN EN 61076-2-101 (M12)
Pollution Degree	3
Temperature range	-25...+85 °C, depending on cable quality

Cables

Cable identification	647
Cable Type	3 (PUR)
Cable weight [g/m]	44,55 g
Material (wire)	Cu wire, bare
Resistor (core)	max. 60 Ω /km (20 °C)
Single wire \varnothing (core)	0.1 mm
Construction (core)	42 \times 0.1 mm (multi-strand wire class 6)
Diameter (core)	5 \times 0.34 mm ²
AWG	similar to AWG 22
Material (wire isolation)	PP
Material property (wire isolation)	CFC-, halogen-, cadmium-, silicone- and lead-free
Shore hardness (wire isolation)	65 \pm 5 D
Wire- \varnothing incl. isolation	1.45 mm $\pm 5\%$
Color/numbering of wires	br, bk, bl, wh, gnye longitudinally striped
Stranding combination	5 wires twisted around central filler
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 and microbial resistant
Shore hardness (jacket)	90 \pm 5 A
Outer- \varnothing (jacket)	5.6 mm $\pm 5\%$
Color (jacket)	black
chemical resistance	good resistance to oil, gasoline and chemicals (EN 60811-404)
thermal resistance	flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2
Nominal voltage	600 V AC
Test voltage	6 kV spark test
Current load capacity	to DIN VDE 0298-4
Temperature range (fixed)	-40...+90 °C
Temperature range (mobile)	-25...+90 °C
Bend radius (fixed)	5 \times outer \varnothing
Bend radius (moving)	10 \times outer \varnothing
No. of bending cycles (C-track)	max. 5 Mio. (25 °C)
Travel speed (C-track)	max. 3.3 m/s
Acceleration (C-track)	max. 5 m/s ²
Torsion stress	$\pm 180^\circ$ /m
No. of torsion cycles	max. 2 Mio. (25 °C)

The information in this brochure has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 03/22

Torsion speed 35 cycles/min

Commercial data

country of origin	DE
customs tariff number	85444290
EAN	4048879637107
eClass	27279218
Packaging unit	1.000