

M12 female 90° A-cod. with cable LED

PUR 4x0.34+1x0.5 or UL/CSA+robot+drag ch. 10m

Zinc die casting, save-cover coated

Female 90°

M12, 5-pole

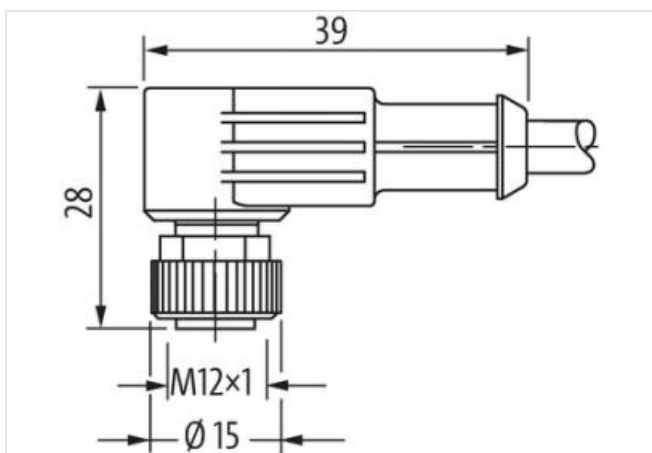
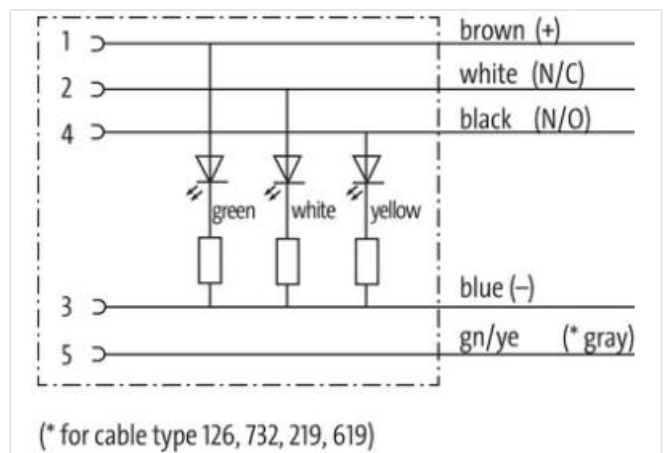
3× LED (PNP)

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

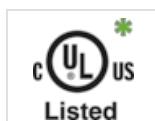
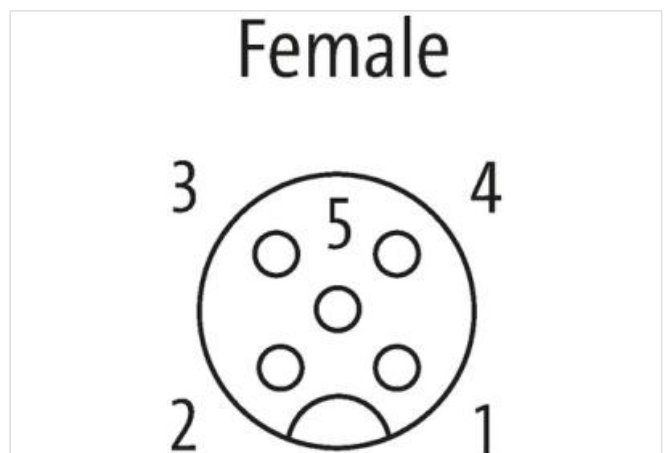
Plastic housings with good resistance against chemicals and oils.

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**

Product may differ from Image



* only for products with UL/CSA approved cable

Form

Form

12441

Technical Data

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: 2022-11-13

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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 (M12×1 mm) recommended torque 0.6 Nm, self-securing
Protection	IP65, IP66K, IP67 inserted and tightened (EN 60529)
Material	PUR
Locking material	Zinc die casting, nickel-plated
suitable for corrugated tube (internal Ø)	10 mm
Compression gland	M12 (SW13)
General data	
Standards	DIN EN 61076-2-101 (M12)
Pollution Degree	3
Temperature range	-25...+85 °C, depending on cable quality
Cables	
Cable identification	852
Cable Type	5 (PUR schweißfunkenbeständig)
Approval (cable)	cURus (AWM-Style 20549/10493); CE conform
Cable weight [g/m]	46,2 g
Material (wire)	Cu wire, bare
Resistor (core)	max. 60 Ω /km (20 °C, 0.34 mm); max. 39 Ω /km (20 °C, 0.5 mm)
Single wire Ø (core)	0.1 mm (0.34 mm); 0.19 mm (0.5 mm)
Construction (core)	42× 0.1 mm (0.34 mm ²); 28× 0.15 mm (0.5 mm ²); (multi-strand wire class 6)
Diameter (core)	4× 0.34 + 1× 0.5 mm ²
AWG	similar to AWG 22 (0.34 mm ²); similar to AWG 20 (0.5 mm ²)
Material (wire isolation)	PP
Material property (wire isolation)	CFC-, halogen-, cadmium-, silicone- and lead-free
Shore hardness (wire isolation)	74 ± 3 D
Wire-Ø incl. isolation	1.25 mm $\pm 5\%$ (0.34 mm ²); 1.4 mm $\pm 5\%$ (0.5 mm ²)
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-, microbial- and welding spark resistant
Shore hardness (jacket)	58 ± 3 D
Outer-Ø (jacket)	5.2 mm $\pm 5\%$
Color (jacket)	orange
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/s ²

Torsion stress	±360°/m
No. of torsion cycles	max. 1 Mio. (25 °C)
Torsion speed	35 cycles/min
Product article number of manufacturer	7000-12441-8521000
Cable length	10 m