

M8male 0° snap-in / M12fem. 90° screw-in LED

PUR 3x0.25 bk UL/CSA+drag chain 1m

Male straight – female 90°

M8 (Snap In) – M12, 3-pole

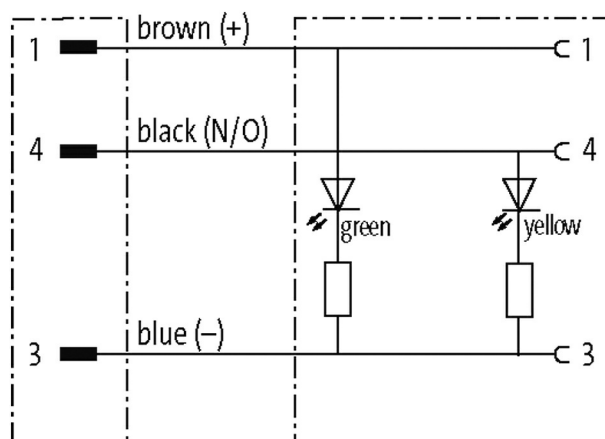
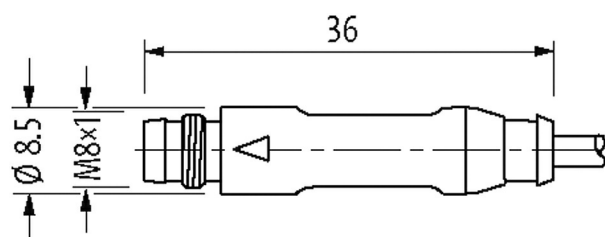
2x LED (PNP), (NPN) on request

Art-No. 7005 - M12 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

Approvals

* only for products with UL/CSA approved cable

Form

Form

88401

General data

Standards	DIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8)
Pollution Degree	3
Temperature range	-25...+85 °C, depending on cable quality
Cables	
No./diameter of wires	3 × 0.25 mm ²
Wire isolation	PP (br, bl, bk)
C-track properties	10 Mio.
Material (jacket)	PUR (UL/CSA)
Outer Ø	4.1 mm ±5%
Bend radius (moving)	10 × outer Ø
Temperature range (fixed)	-40...+80 °C
Temperature range (mobile)	-25...+80 °C
Cable identification	630
Cable Type	3 (PUR)
Approval (cable)	cURus (AWM-Style 20549/10493); CE conform
Cable weight [g/m]	26,40
Material (wire)	Cu wire, bare
Resistor (core)	max. 79 Ω/km (20 °C)
Single wire Ø (core)	0.1 mm
Construction (core)	32 × 0.1 mm (multi-strand wire class 6)
Diameter (core)	3 × 0.25 mm ²
AWG	similar to AWG 24
Material (wire isolation)	PP
Material property (wire isolation)	CFC-, halogen-, cadmium-, silicone- and lead-free
Shore hardness (wire isolation)	70 ±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)	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 ±5 A
Outer-Ø (jacket)	4.1 mm ±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	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 m/s
Acceleration (C-track)	max. 10 m/s ²
Torsion stress	±180°/m
No. of torsion cycles	max. 2 Mio. (25 °C)

Torsion speed 35 cycles/min

Jacket Color black

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 M12, A-coded

LED display yellow/green

Locking of ports Screw thread (M12 $\times$ 1 mm) recommended torque 0.6 Nm, self-securing, M8 (Snap In)

Compression gland M12 (SW13)

Protection IP65, IP66K, IP67 (M12) - IP65 (M8)

Locking material Zinc die casting, matte nickel plated (M12)

Material PUR

suitable for corrugated tube (internal $\varnothing$) M12 (10 mm); M8 (6.5 mm)

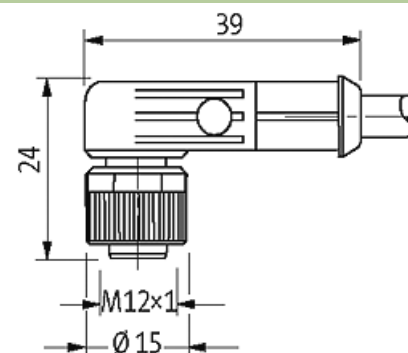
Commercial data

country of origin DE

customs tariff number 85444290

Packaging unit 1

Sketch



Product may differ from Image