

**M12 female 90° A-cod. with cable LED**

PUR 4x0.34 ye UL/CSA 3m

Art.No.: 7000-12421-0240300

Weight: 0.128

Country of origin: DE

Model designation: MSDL2-T024\_3.0

**⚠ NOTICE ⚠****PRODUCT IS DISCONTINUED. PLEASE HAVE A LOOK AT THE ALTERNATIVE PRODUCTS.**

Female 90°

M12, 4-pole

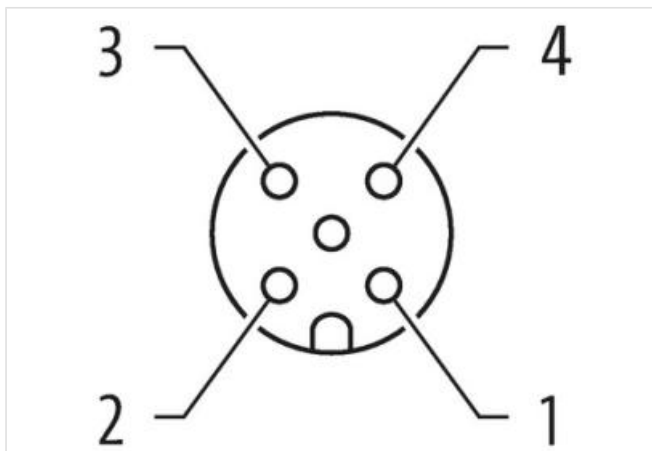
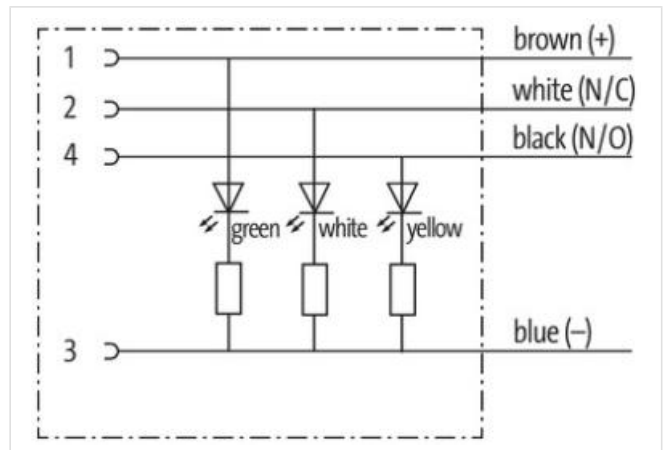
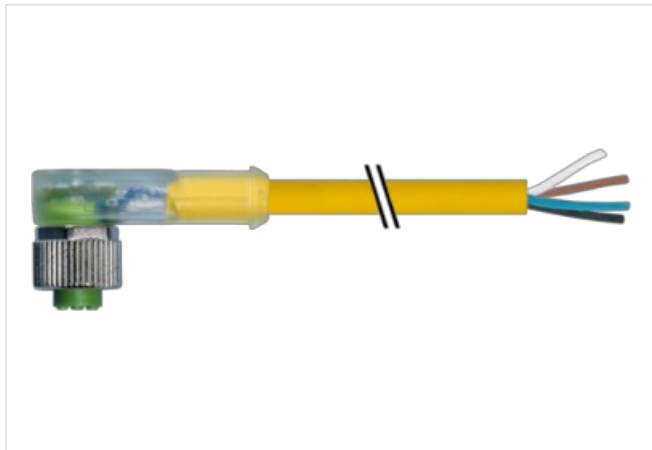
3× LED (PNP)

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

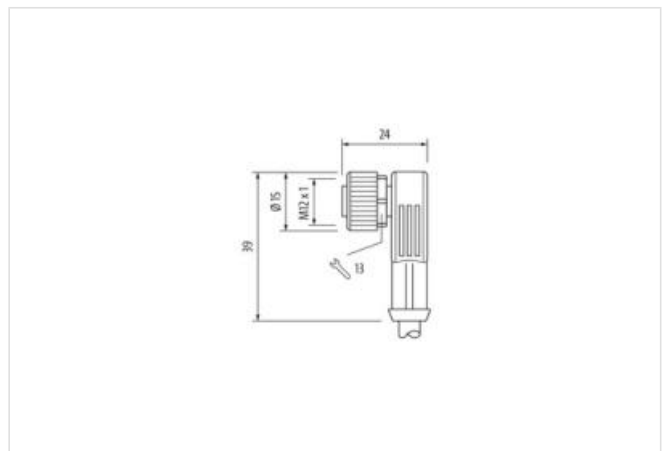
Plastic housings with good resistance against chemicals and oils.

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





Cable length	3 m
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#### Side 1

Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67

#### Commercial data

ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
customs tariff number	85444290
GTIN	4048879203388
GTIN	4048879203388
Packaging unit	1
Packaging unit	1

#### Electrical data | Supply

Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Operating voltage DC max. (UL-listed)	30 V
Current operating per contact max.	4 A

#### Diagnostics

Status indication LED	green, white, yellow
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#### Installation | Connection

Mounting set	M12 x 1
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#### Device protection | Electrical

Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	I

#### Mechanical data | Material data

Coating locking	Nickel
Coating of fitting	nickel plated
Locking material	Zinc die-casting

Material screw connection      Zinc die-casting

#### Mechanical data | Mounting data

Mounting method      inserted, screwed, Shaking protection

#### Environmental characteristics | Climatic

Operating temperature min.      -25 °C

Operating temperature max.      85 °C

Additional condition temperature range      depending on cable quality

#### Conformity

Product standard      DIN EN 61076-2-101 (M12)

#### Installation | Cable

Cable identification      282

Jacket Color      blue

Amount stranding      1

Stranding      3 wires twisted

Amount stranding (type 2)      1

Stranding (type 2)      9 wires around Stranding combination twisted

Banding      Fleece

wire arrangement      gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue

Cable weight      44 g/m

Material jacket      TPE-S

Shore hardness jacket      47 ± 5 Shore D

Freedom from ingredients (jacket)      lead-free, cadmium-free, CFC-free, halogen-free, silicone-free

Outer-diameter (jacket)      6 mm

Tolerance outer diameter (sheath)      ± 5 %

Material wire insulation      PP

Amount wires      12

Outer diameter insulation      1 mm

Outer diameter tolerance core insulation      ± 5 %

Shore hardness wire insulation      64 ± 3 Shore D

Ingredient freeness wire insulation      lead-free, cadmium-free, CFC-free, halogen-free, silicone-free

Amount strands (wire)      18

Diameter of single wires      0,1 mm

Conductor crosssection (wire)      0,14 mm<sup>2</sup>

Material conductor wire      Stranded copper wire, bare

Conductor type (wire)      strand class 6

Traversing distance (C-track)      10 m @ 25 °C | horizontal

Travel speed (C-track)      4 Mio. @ 25 °C

Nominal voltage AC max.      300 V

Current load capacity (standard)      to DIN VDE 0298-4

Current load capacity min. wire      2 A

Electrical resistance line constant wire      139 Ω/km @ 20 °C

AC withstand voltage (wire - wire)      3 kV @ 60 s

Min. operating temperature (static)      -40 °C

Max. operating temperature (fixed)      105 °C

Operating temperature min. (dynamic)      -25 °C

Operating temperature max. (dynamic)      105 °C

Flame resistance      IEC 60332-2-2 | UL 1581 § 1090 | UL 1581 § 1100 FT2

chemical resistance      Good, application-related testing

Gasoline resistance      Good, application-related testing

Oil resistance      Good, application-related testing | DIN EN 60811-404

Bending radius (fixed)      5 x Outer diameter

Bending radius (dynamic)      10 x Outer diameter

No. of torsion cycles	2 Mio.
Torsion stress	$\pm 180$ °/m
Torsion speed	35 cycles/min