

M12 male 0° / M12 female 90° LED F&B Pro

TPE-S 4x0.34 bu robot+drag chain 3.0m

Plug Connectors for Food & Beverage

The resistance to aggressive media should be individually tested for your application. Further details on request.
Further cable lengths on request.

Male straight

Female 90° with LED

M12 F&B Pro

4-pole

Stainless steel 1.4404 (V4A)

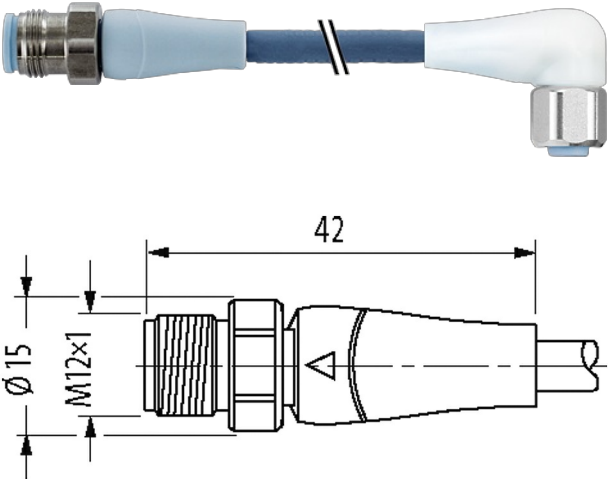
without cable sleeves

IP69K

Plastic housings with good resistance against chemicals and oils.

[Link to Product](#)

Illustration



Product may differ from Image

Approvals



Form

Form 40341

General data

Standards	DIN EN 61076-2-101 (M12), FDA conform
Mounting method	inserted, tightened
Material (contact)	Copper alloy
Material (contact surface)	Au
Material (gasket)	EPDM
Material (contact carrier)	PP, ice blue
Pollution Degree	3

Temperature range -40...+85 °C, depending on cable quality

Cables	
Cable number	321
No./diameter of wires	4 × 0.34 mm ²
Wire isolation	PP (br, wh, bl, bk)
C-track properties	4 Mio.
Jacket Color	pastel blue
Material (jacket)	TPE-S
Outer Ø	4.7 mm ±5%
Bend radius (moving)	10 × outer Ø
Temperature range (fixed)	-40...+105 °C
Temperature range (mobile)	-25...+105 °C
Cable identification	321
Approval (cable)	UL (AWM-Style 22126/11558), CE conform
Cable weight [g/m]	29,70
Material (wire)	Cu wire, bare
Resistor (core)	max. 58 Ω/km (20 °C)
Single wire Ø (core)	0.1 mm
Construction (core)	42 × 0.1 mm (multi-strand wire class 6)
Diameter (core)	4 × 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)	64 ±3 D
Wire-Ø incl. isolation	1.27m ±5%
Color/numbering of wires	br, bk, bl, wh
Stranding combination	4 wires twisted
Shield	no
Material (jacket)	TPE-S (laser-markable)
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)	47 ±5 D
Outer-Ø (jacket)	4.7 mm ±5%
Color (jacket)	pastel blue
Nominal voltage	300 V AC
Test voltage	3000 V AC
Current load capacity	to DIN VDE 0298-4
Temperature range (fixed)	-40...+105 °C
Temperature range (mobile)	-25...+105 °C
Bend radius (fixed)	5 × outer Ø
Bend radius (moving)	10 × outer Ø
No. of bending cycles (C-track)	max. 4 Mio. (25 °C)
Traversing distance (C-track)	max. 10 m
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

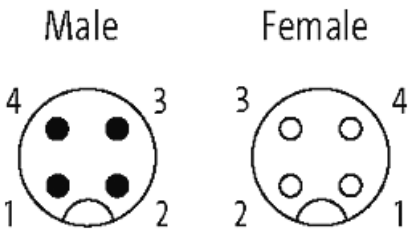
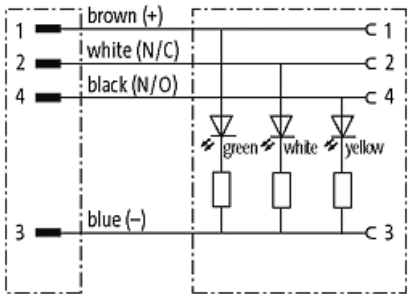
Technical Data

Operating voltage	24 V DC $\pm$ 25%
Rated surge voltage	0.8 kV
Operating current per contact	max. 4 A
No. of poles	4
Material group	IEC 60664-1, category I
Coding	A-coded
LED display	green, yellow, white
Locking of ports	Screw thread (M12 $\times$ 1 mm) recommended torque 0.6 Nm, self-securing
Compression gland	M12 (SW14)
Protection	IP65, IP68, IP69K inserted and tightened (EN 60529)
Material	PP
Locking material	Stainless steel 1.4404 (V4A)
suitable for corrugated tube (internal $\varnothing$)	without

Commercial data

country of origin	DE
customs tariff number	85444290
EAN	4048879768429
eClass	27279218
Packaging unit	1

Sketch



Product may differ from Image