

M12 female 90° A-cod. with cable F&B Pro

TPE-S 8x0.25 bu UL robot+drag ch. 5m

Plug Connectors for Food & Beverage

Further cable lengths on request.

Female 90°

M12 F&B Pro

8-pole

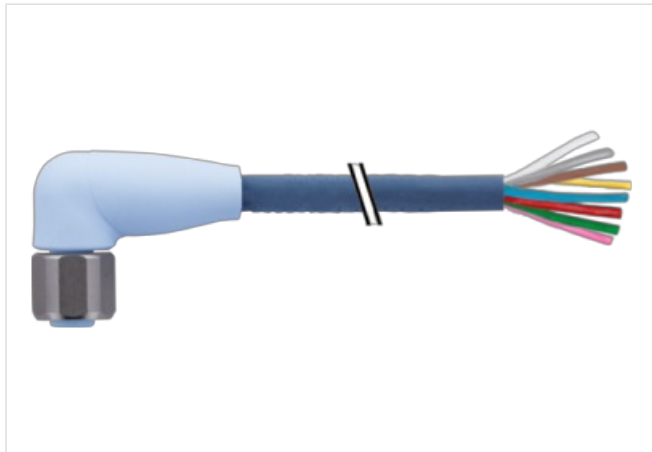
Stainless steel 1.4404 (V4A)

without cable sleeves

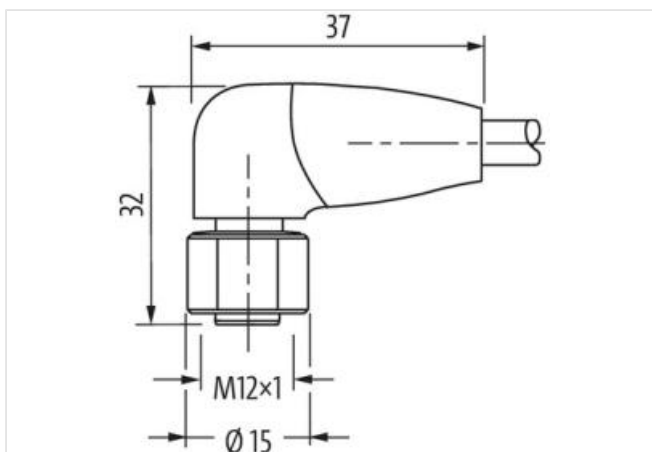
IP69K

Plastic housings with good resistance against chemicals and oils.

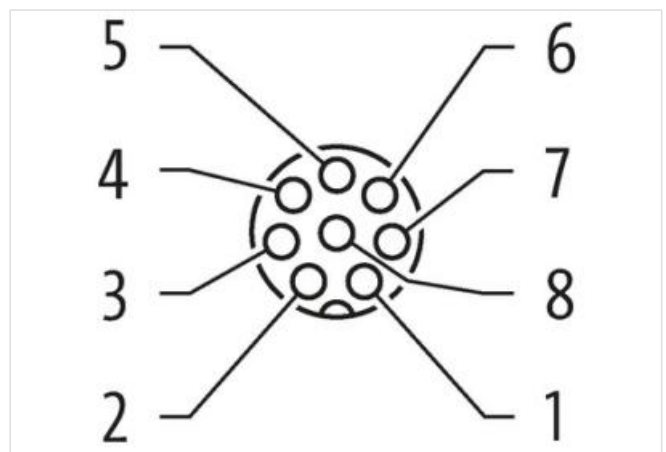
The resistance to aggressive media should be individually tested for your application. Further details on request.

[Link to Product](#)**Illustration**

1	WH
2	BN
3	GN
4	YE
5	GY
6	PK
7	BU
8	RD



Product may differ from Image



Cable length 5 m

Side 1

Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Coding	A
Material contact	Copper alloy
No. of poles	8
Width across flats	SW14
Degree of protection (EN IEC 60529)	IP65, IP68, IP69K

Side 2

Stripping length (jacket)	60 mm
Coating contact	gold plated

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
GTIN	4048879761710
Packaging unit	1

Electrical data | Supply

Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	2 A

Diagnostics

Status indication LED	no
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Installation | Connection

Stripping length (jacket)	60 mm
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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

Contour for corrugated hose	without
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Mechanical data | Material data

Color contact carrier	ice blue
Material gasket	EPDM
Material housing	PP
Material contact carrier	PP

Locking material Stainless steel 1.4404 (V4A)

Mechanical data | Mounting data

Mounting method inserted, screwed, Shaking protection

Environmental characteristics | Climatic

Operating temperature min. -40 °C

Operating temperature max. 105 °C

Additional condition temperature range depending on cable quality

Important installation notes

Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.

Note on bending radius **Attention:** Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.

Conformity

Product standard DIN EN 61076-2-101 (M12), FDA conform

Installation | Cable

Cable identification 312

Jacket Color blue

Amount stranding 1

Stranding 8 wires around Core filler twisted

Filler yes

wire arrangement brown, white, red, blue, pink, gray, yellow, green

Cable weight 49,61 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) 6,3 mm

Tolerance outer diameter (sheath) ± 5 %

Material wire insulation PP

Amount wires 8

Outer diameter insulation 1,17 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) 32

Diameter of single wires 0,1 mm

Conductor crosssection (wire) 0,25 mm²

Material conductor wire Stranded copper wire, bare

Conductor type (wire) strand class 6

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

Nominal voltage AC max. 300 V

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

Current load capacity min. wire 3 A

Electrical resistance line constant wire 78 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 § 1100 FT2 | UL 1581 § 1090

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

Travel speed (C-track)	4 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min