

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

TPE-S 4x0.34 shielded bu UL robot+drag ch. 35m

Plug Connectors for Food & Beverage

M12 F&B Pro

Female 90°, shielded

Stainless steel 1.4404 (V4A)

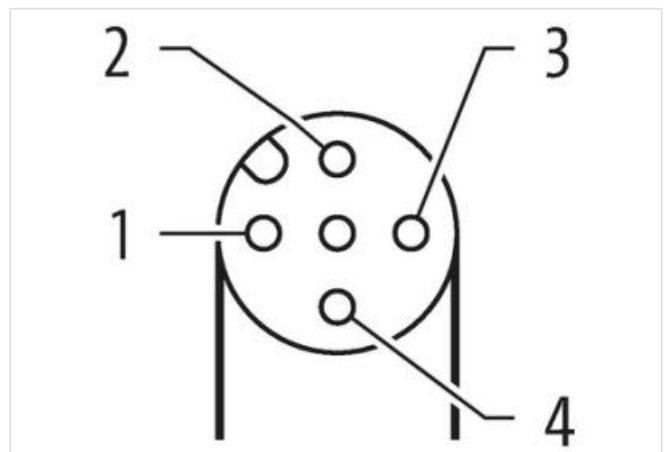
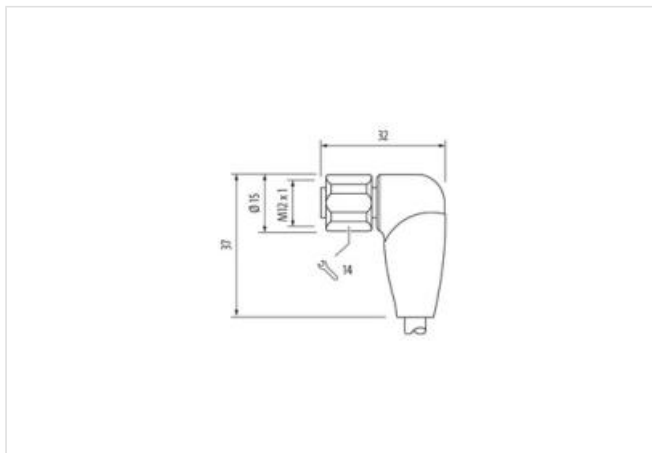
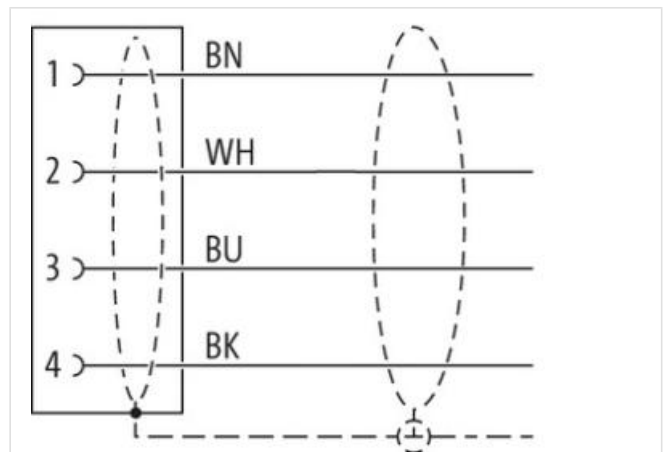
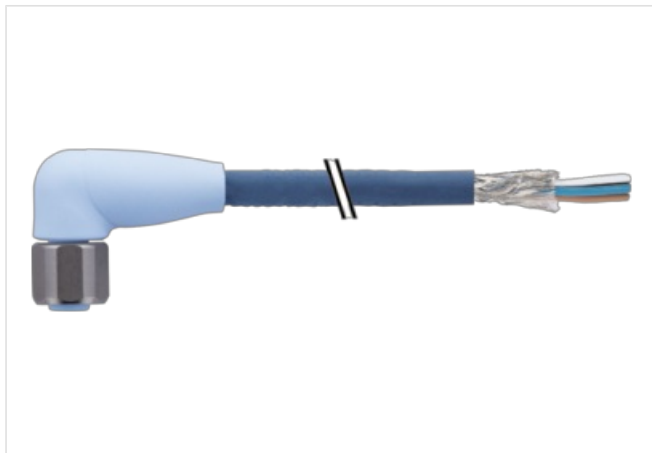
IP69K

without cable sleeves

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.

[Linkki tuotteeseen](#)**Kuvat**

Tuote voi erota kuvassa olevasta



Cable length

35 m

Side 1

Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Cable outlet	angled
Coding	A
Material contact	Copper alloy
No. of poles	4
Width across flats	SW14
Degree of protection (EN IEC 60529)	IP65, IP68, IP69K

Side 2

Stripping length (jacket)	20 mm
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Kaupalliset tiedot

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
GTIN	4065909090046
Pakkauskoko	1
Tullinumero	85444290

Electrical data | Supply

Operating voltage AC max.	60 V
Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A

Diagnostics

Status indication LED	no
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Installation | Connection

Stripping length (jacket)	20 mm
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Device protection | Electrical

Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 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

wire arrangement brown, black, blue, white
Cable identification 371
Jacket Color blue
Amount stranding 1
Stranding 4 wires twisted
Cable shielding (type) copper braid, tinned
Cable shielding (coverage) 85 %
Banding Fleece
wire arrangement brown, black, blue, white
Cable weighth 45,1 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) 5,6 mm
Tolerance outer diameter (sheath) ± 5 %
Material wire insulation PP
Amount wires 4
Outer diameter insulation 1,27 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) 42
Diameter of single wires 0,1 mm
Conductor crosssection (wire) 0,34 mm²
Material conductor wire Stranded copper wire, bare
Conductor type (wire) strand class 6
Nominal voltage AC max. 300 V
Current load capacity (standard) to DIN VDE 0298-4
Current load capacity min. wire 4,8 A
Electrical resistance line constant wire 58 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 UL 1581 § 1090 | IEC 60332-2-2 | UL 1581 § 1100 FT2
chemical resistance Good, application-related testing
Gasoline resistance Good, application-related testing
Oil resistance DIN EN 60811-404 | Good, application-related testing
Bending radius (fixed) 5 x Outer diameter

Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	4 Mio. @ 25 °C
Traversing distance (C-track)	10 m @ 25 °C horizontal
Travel speed (C-track)	3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min