

## M12 male 0° A-cod. with cable F&B Pro

TPE-S 4x0.34 bu UL robot+drag ch. 7.5m

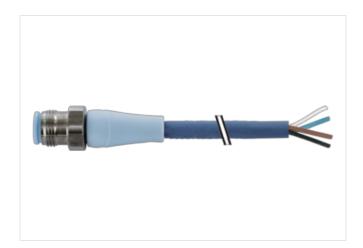
Plug Connectors for Food & Beverage Further cable lengths on request. Male straight M12 F&B Pro 4-pole Screw, Stainless Steel 1.4404 (V4A) without cable sleeves IP69K

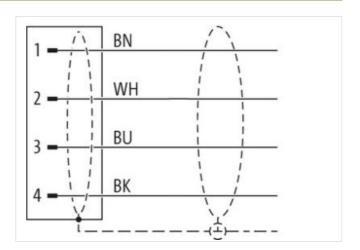
Plastic housings with good resistance against chemicals and oils.

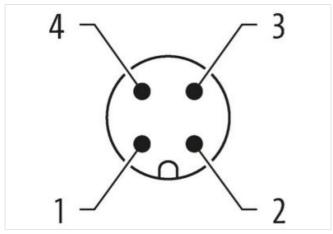
The resistance to aggressive media should be individually tested for your application. Further details on request.

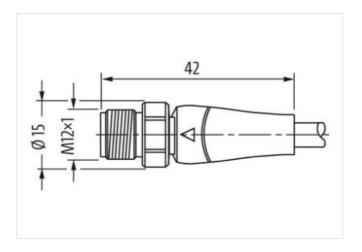
## **Link to Product**

## Illustration









Product may differ from Image





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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     4       Width across flats     SW14       Degree of protection (EN IEC 60529)     IP65, IP68, IP69K       Side 2     Stripping length (jacket)     20 mm       Coating contact     gold plated       Commercial data     ECLASS-6.0     27279218       ECLASS-6.1     27279218     ECLASS-7.0     27279218       ECLASS-8.0     27279218     ECLASS-8.0     27279218
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     4       Width across flats     SW14       Degree of protection (EN IEC 60529)     IP65, IP68, IP69K       Side 2     Stripping length (jacket)       Stripping length (jacket)     20 mm       Coating contact     gold plated       Commercial data     ECLASS-6.0       ECLASS-6.1     27279218       ECLASS-7.0     27279218
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ECLASS-6.1     27279218       ECLASS-7.0     27279218
ECLASS-7.0 27279218
ECLASS-9.0 27060311
ECLASS-10.1 27060311
ECLASS-10.1 27060311 ECLASS-11.1 27060311
ECLASS-11.1 27000311 ECLASS-12.0 27060311
ETIM-5.0 EC001855
customs tariff number 85444290
GTIN 4048879739153
Packaging unit 1
Electrical data   Supply
Operating voltage AC max. 250 V
Operating voltage DC max. 250 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
Installation   Connection
Stripping length (jacket) 20 mm
Device protection   Electrical
Additional condition protection degree inserted, screwed
Pollution Degree 3
Rated surge voltage 2,5 kV
Material group (IEC 60664-1)
Mechanical data
Contour for corrugated hose without
Mechanical data   Material data
Color contact carrier ice blue
Material housing PP
Material contact carrier PP
Locking material Stainless steel 1.4404 (V4A)
Mechanical data   Mounting data

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-20



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Mounting method	inserted, screwed, Shaking protection	

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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.
	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Note on bending radius	endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12), FDA conform
Installation   Cable	
Cable identification	321
Jacket Color	blue
Amount stranding	1
Stranding	4 wires twisted
wire arrangement	brown, black, blue, white
Cable weigth	29,7 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)	4,7 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
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	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 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
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
Travel speed (C-track)	4 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m

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## Product-PDF for Article 7024-12021-3210750



Torsion speed

35 cycles/min