

M12 male 90° 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 90° M12 F&B Pro 4-pole Screw, Stainless Steel 1.4404 (V4A) without cable sleeves IP69K

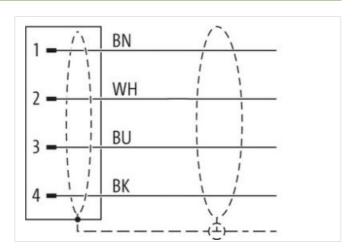
Plastic housings with good resistance against chemicals and oils.

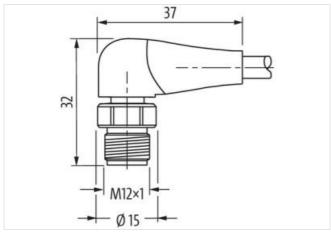
The resistance to aggressive media should be individually tested for your application. Further details on request.

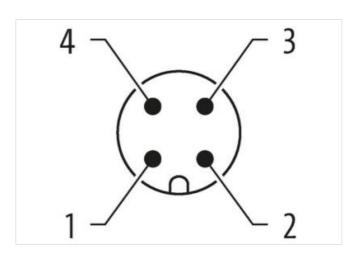
Link to Product

Illustration









Product may differ from Image





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Cable length	7,5 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	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-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879739115
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Electrical data Supply	
Electrical data Supply	250 V
Electrical data Supply Operating voltage AC max. Operating voltage DC max.	250 V
Electrical data Supply Operating voltage AC max.	250 V 250 V
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Electrical data Supply Operating voltage AC max. Operating voltage DC max. Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max.	250 V 250 V 30 V 30 V 4 A
Electrical data Supply Operating voltage AC max. Operating voltage DC max. Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max. Diagnostics Status indication LED	250 V 250 V 30 V 30 V
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Electrical data Supply Operating voltage AC max. Operating voltage DC max. Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max. Diagnostics Status indication LED Installation Connection Stripping length (jacket) Device protection Electrical Additional condition protection degree	250 V 250 V 30 V 30 V 4 A no 20 mm
Electrical data Supply Operating voltage AC max. Operating voltage DC max. Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max. Diagnostics Status indication LED Installation Connection Stripping length (jacket) Device protection Electrical Additional condition protection degree Pollution Degree	250 V 250 V 30 V 30 V 4 A no 20 mm inserted, screwed 3
Electrical data Supply Operating voltage AC max. Operating voltage DC max. Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max. Diagnostics Status indication LED Installation Connection Stripping length (jacket) Device protection Electrical Additional condition protection degree Pollution Degree Rated surge voltage	250 V 250 V 30 V 30 V 4 A no 20 mm inserted, screwed 3 2,5 kV
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Electrical data Supply Operating voltage AC max. Operating voltage DC max. Operating voltage DC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max. Diagnostics Status indication LED Installation Connection Stripping length (jacket) Device protection Electrical Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Contour for corrugated hose Mechanical data Material data Color contact carrier Material housing	250 V 250 V 30 V 30 V 4 A no 20 mm inserted, screwed 3 2,5 kV I without ice blue PP



stay connected

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.
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	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
Folerance 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
ngredient 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 mm ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Fraversing 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
Dil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Fravel speed (C-track)	4 Mio. @ 25 °C
No. of torsion cycles	2 Mio.

Product-PDF for Article 7024-12101-3210750



Torsion speed

35 cycles/min