

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

TPE-S 5x0.34 shielded bu UL robot+drag ch. 3m

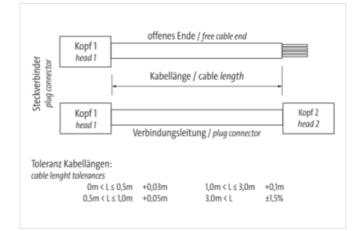
Art.No.: 7024-13101-3720300 Weight: 0.166 Country of origin: DE Model designation: MSAL0-U372 3.0-ZE-S24

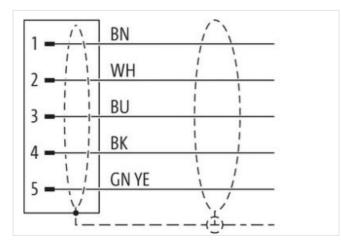
Plug Connectors for Food & Beverage Further cable lengths on request. Male straight, shielded M12 F&B Pro 5-pole Screw, Stainless Steel 1.4404 (V4A) without cable sleeves IP69K Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

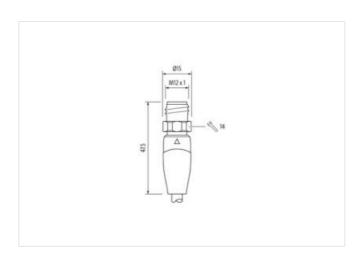
Link to Product





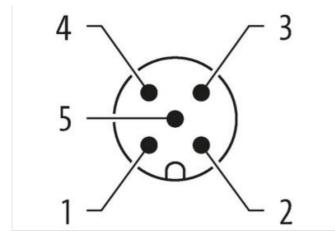






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Product may differ from Image



Cable length 3 m Side 1		
Tightening torque0.6 NmMounting methodinserted, screwedCoaling contactgold platedFamily construction formM12ThreadM12 x1CodingAMaterial contactCopper alloyNo. of poles5Width across flatsSW14Degree of protection (EN IEC 60529)1P66, IP69, IP69, IP69KStripping length (jacket)20 mmConnectal data27279218ECLASS-6.027279218ECLASS-7.027279218ECLASS-8.027279218ECLASS-10.127060311ECLASS-10.127060311ECLASS-10.127060311ECLASS-10.127060311ECLASS-10.127060311ECLASS-10.127060311ECLASS-10.127060311ECLASS-10.127060311ECLASS-10.127060311ECLASS-10.120060311ECLASS-10.120060311ECLASS-10.120060311ECLASS-10.120060311ECLASS-10.120060311ECLASS-10.120060311ECLASS-10.120060311ECLASS-10.120060311ECLASS-10.120060311ECLASS-10.120060311ECLASS-10.120060311ECLASS-10.120060311ECLASS-10.12001855customs tariff number8544290customs tariff number8544290customs tariff number8544290EAN404879788667	Cable length	3 m
Mounting method inserted, screwed Coating contact gold plated Family construction form M12 Thread M12 x1 Coding A Material contact Copper alloy No. of poles 5 Width across flats SW14 Degree of protection (EN IEC 60529) IP65, IP68, IP69K Side 2 Stripping length (jacket) 20 mm Commercial data 27279218 ECLASS 6.0 27279218 ECLASS 8.0 27279218 ECLASS 9.0 27279218 ECLASS 9.0 27279218 ECLASS 9.0 27060311	Side 1	
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	customs tariff number	85444290
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	EAN	4048879758567
Packaging unit 1		1
Packaging unit 1	Packaging unit	1
Electrical data Supply	Electrical data Supply	
Operating voltage AC max. 60 V	Operating voltage AC max.	60 V

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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
Installation Connection	
Stripping length (jacket)	20 mm
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	
Mechanical data	
Contour for corrugated hose	without
Mechanical data Material data	
Material housing	PP
Color contact carrier	ice blue
Material contact carrier	PP
Locking material	Stainless steel 1.4404 (V4A)
Mechanical data Mounting data	
	inserted, screwed, Shaking protection
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, green-yellow
Cable identification	372
Jacket Color	blue
Amount stranding	1
Stranding	5 wires around Core filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Fleece
Filler	yes
wire arrangement	brown, black, blue, white, green-yellow
Cable weigth	51,7 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)	5,9 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP

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Amount wires	5
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 mm ²
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	4,5 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 IEC 60332-2-2 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
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

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