

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

TPE-S 8x0.25 bu UL robot+drag ch. 3m

Art.No.: 7024-17061-3120300

Weight: 0.152 Country of origin: DE

Model designation: MSDL0-08D312 3.0-S24

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

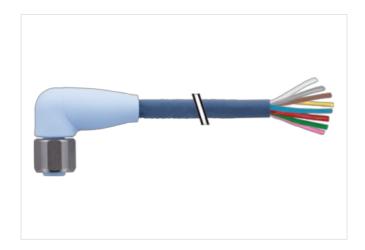
IP69K

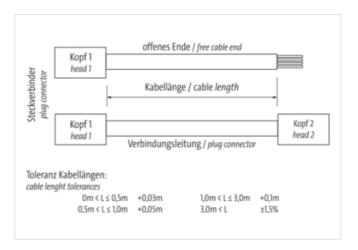
Plastic housings with good resistance against chemicals and oils.

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

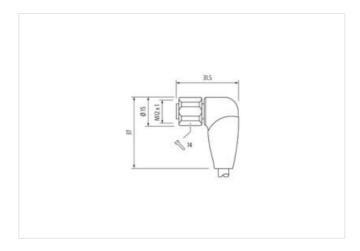
Link to Product

Illustration

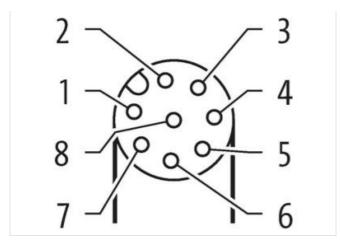




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Product may differ from Image



Side 1 Tightening torque 0,6 Nm Mounting method inserted, screwed Coating contact gold plated	
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	
customs tariff number 85444290	
EAN 4048879761703	
EAN 4048879761703	
Packaging unit 1	
Packaging unit 1	
Electrical data Supply	



stay connected

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
	110
Installation Connection	
Stripping length (jacket)	60 mm
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
Mechanical data Material data	
Material housing	PP
Color contact carrier	ice blue
Material gasket	EPDM
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	
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wire arrangement	brown, white, red, blue, pink, gray, yellow, green
wire arrangement Cable identification	312
wire arrangement Cable identification Jacket Color	312 blue
wire arrangement Cable identification Jacket Color Amount stranding	312 blue 1
wire arrangement Cable identification Jacket Color Amount stranding Stranding	312 blue 1 8 wires around Core filler twisted
wire arrangement Cable identification Jacket Color Amount stranding Stranding Filler	312 blue 1 8 wires around Core filler twisted yes
wire arrangement Cable identification Jacket Color Amount stranding Stranding Filler wire arrangement	312 blue 1 8 wires around Core filler twisted yes brown, white, red, blue, pink, gray, yellow, green
wire arrangement Cable identification Jacket Color Amount stranding Stranding Filler wire arrangement Cable weigth	blue 1 8 wires around Core filler twisted yes brown, white, red, blue, pink, gray, yellow, green 49,61 g/m
wire arrangement Cable identification Jacket Color Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket	312 blue 1 8 wires around Core filler twisted yes brown, white, red, blue, pink, gray, yellow, green 49,61 g/m TPE-S
wire arrangement Cable identification Jacket Color Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket	blue 1 8 wires around Core filler twisted yes brown, white, red, blue, pink, gray, yellow, green 49,61 g/m TPE-S 47 ± 5 Shore D
wire arrangement Cable identification Jacket Color Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	blue 1 8 wires around Core filler twisted yes brown, white, red, blue, pink, gray, yellow, green 49,61 g/m TPE-S 47 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
wire arrangement Cable identification Jacket Color Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	blue 1 8 wires around Core filler twisted yes brown, white, red, blue, pink, gray, yellow, green 49,61 g/m TPE-S 47 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free 6,3 mm
wire arrangement Cable identification Jacket Color Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	blue 1 8 wires around Core filler twisted yes brown, white, red, blue, pink, gray, yellow, green 49,61 g/m TPE-S 47 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free



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 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	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
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