

M12 male 0° / M12 female 0° A-cod. F&B Pro

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

Art.No.: 7024-40041-3390300

Weight: 0.124 Country of origin: DE

Model designation: MSBL0-A-U339_3.0-S24

Plug Connectors for Food & Beverage

Male straight - female straight

M12 F&B Pro

5-pole

Stainless steel 1.4404 (V4A)

without cable sleeves

IP69K

Plastic housings with good resistance against chemicals and oils.

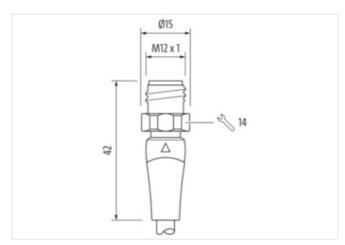
The resistance to aggressive media should be individually tested for your application. Further details on request.

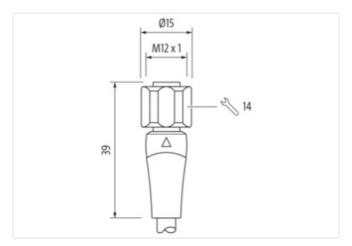
Further cable lengths on request.

Link to Product

Illustration



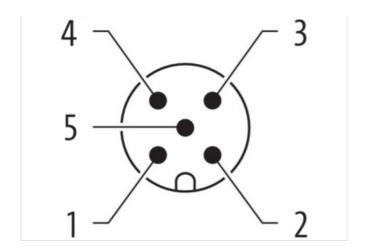


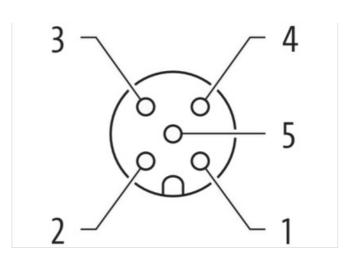


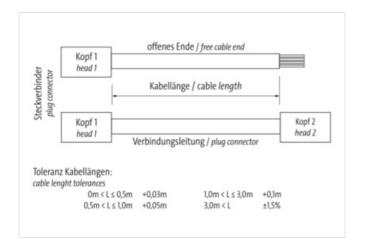


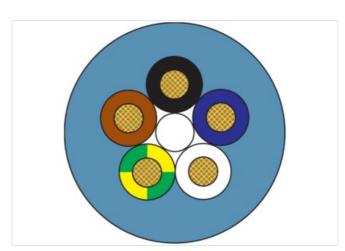


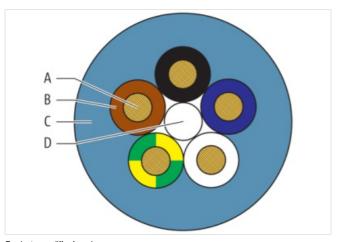
stay connected











Product may differ from Image







Header

Cable length 3,00 m

Side 1



stay connected

Family construction form	M12
No. of poles	5
Coding	A
Gender	male
Mounting method	inserted, screwed
Threaded hole	M12 x 1
Tightening torque	0,6 Nm
Width across flats	SW14
Cable outlet	straight
Material	PP
Material contact	Copper alloy
Coating contact	gold plated
Degree of protection (EN IEC 60529)	IP69K, IP68, IP65
Side 2	
Family construction form	M12
No. of poles	5
Coding	A
Gender	Female
Mounting method	inserted, screwed
Threaded hole	M12 x 1
Tightening torque	0,6 Nm
Width across flats	SW14
Cable outlet	straight
Material	PP
Material contact	Copper alloy
Coating contact	gold plated
Degree of protection (EN IEC 60529)	IP69K, IP68, IP65
Commercial data	
URL Webshop	https://shop.murrelektronik.com/7024-40041-3390300
customs tariff number	85444290
EAN	4048879793339
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	125 V
Operating voltage DC max.	125 V
Current operating per contact max.	4 A
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Diagnostics	
Status indication LED	no
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
Mechanical data Material data	
Material housing	PP
Material contact carrier	PP



Locking material Stainless steel 1.4404 (V4A) EPDM Material gasket Mechanical data | Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics | Climatic Operating temperature min. -30 °C Operating temperature max. 105 °C Additional condition temperature range depending on cable quality Important installation notes 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. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Conformity Product standard EN IEC 61076-2-101 (M12), FDA conform Installation | Cable Cable identification 339 Amount stranding Stranding Wires Wire arrangement brown, Black, blue, white, green-yellow 32 g/m Cable weigth Material wire insulation PP Amount wires 5 Outer diameter insulation 1,27 mm Outer diameter tolerance core insulation ± 0,02 mm Shore hardness wire insulation 64 ± 3 Shore D Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, halogen-free, lead-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 Outer-diameter (jacket) 5 mm Tolerance outer diameter (sheath) ±5% Material jacket TPE-S Shore hardness jacket 47 ± 5 Shore D Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, halogen-free, lead-free Material property (jacket) matte, good machinability, abrasion-resistant, low adhesion Conductor resistance (wire) 58 Ω/km @ 20 °C Nominal voltage AC max. 300 V 3 kV @ 60 s Withstand voltage (wire - wire) Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Min. operating temperature (static) -40 °C Max. operating temperature (static) 105 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 105 °C Operating temperature min. (drag chain) -25 °C Operating temperature max. (drag chain) 105 °C Bending radius (fixed) 5 × Outer diameter Bending radius (dynamic) 10 × 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	
Acceleration (C-track)	10 m/s² @ 25 °C	
No. of torsion cycles	2 Mio.	
Torsion stress	180 °C	
Torsion speed	35 cycles/min	