

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

TPE-S 5x0.34 bu UL robot+drag ch. 2m

Plug Connectors for Food & Beverage Further cable lengths on request. Female 90° M12 F&B Pro 5-pole Stainless steel 1.4404 (V4A) without cable sleeves

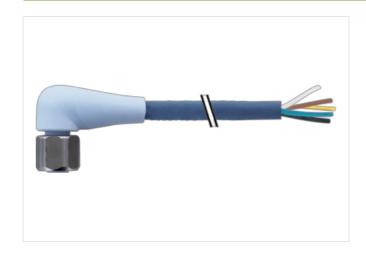
Plastic housings with good resistance against chemicals and oils.

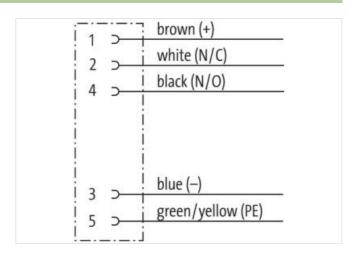
The resistance to aggressive media should be individually tested for your application. Further details on request.

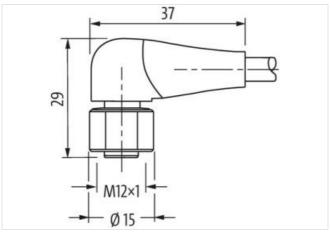
Link to Product

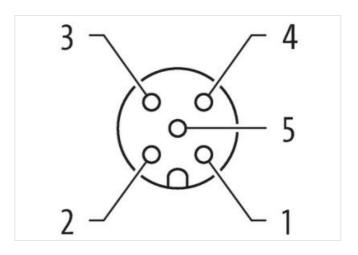
Illustration

IP69K









Product may differ from Image





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	Mechanical data Mounting data		



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Mounting method	inserted, scre	wed, Shaking protection

	institut, solowed, ortaling 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	
•	Protect the connectors by quitable messures from mechanical leads, a.g. by the upage of cable ties
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	
wire arrangement	brown, black, blue, white, green-yellow
Cable identification	339
Jacket Color	blue
Amount stranding	1
Stranding	5 wires around Core filler twisted
wire arrangement	brown, black, blue, white, green-yellow
Cable weigth	35,2 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 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP PP
Amount wires	5
Outer diameter insulation	1,27 mm
Outer diameter 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 (standard) 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 (static)	105 °C
Operating temperature (fixed)	-25 °C
Operating temperature min. (dynamic)	105 °C
Flame resistance	UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090
Casalina 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
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	