

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

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

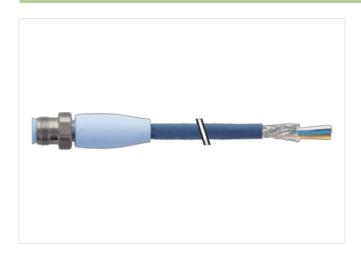
Plug Connectors for Food & Beverage Further cable lengths on request. Male straight, shielded M12 F&B Pro 5-pole Screw, Stainless Steel 1.4404 (V4A) without cable sleeves IP69K

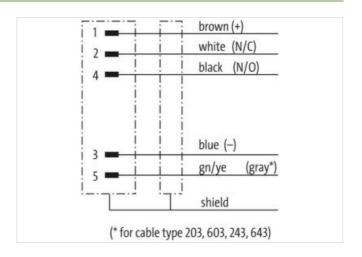
Plastic housings with good resistance against chemicals and oils.

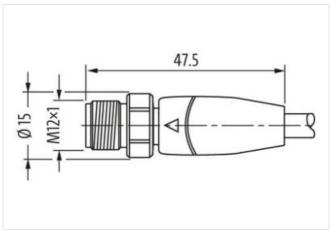
The resistance to aggressive media should be individually tested for your application. Further details on request.

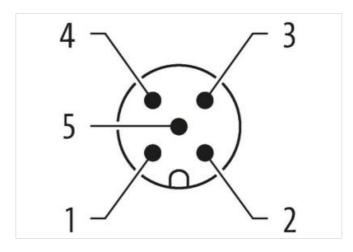
## **Link to Product**

## Illustration









Product may differ from Image





stay connected

Cable length	3 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	5
Width across flats	SW14
Degree of protection (EN IEC 60529)	IP65, IP68, IP69K
Side 2	
Stripping length (jacket)	20 mm
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	4048879758567
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	60 V
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	
	00
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)	I
Mechanical data	
Contour for corrugated hose	without
Mechanical data   Material data	
Color contact carrier	ice blue
Material housing	PP
Material contact carrier	PP
Locking material	Stainless steel 1.4404 (V4A)
Mechanical data   Mounting data	
moonamour data   wounting data	



Mounting method inserted, screwed, Shaking protection

Woulding method	inserted, screwed, channy 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
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	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 PP
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 <sup>2</sup>
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)	4,5 A
Electrical resistance line constant wire	58 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	3 kV @ 60 s
<u> </u>	3 kV @ 60 s -40 °C
Min. operating temperature (static)	-40 °C
Min. operating temperature (static)  Max. operating temperature (fixed)	-40 °C 105 °C
AC withstand voltage (wire - wire)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)	-40 °C 105 °C -25 °C
Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)	-40 °C 105 °C -25 °C 105 °C
Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Flame resistance	-40 °C  105 °C  -25 °C  105 °C  UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)	-40 °C 105 °C -25 °C 105 °C



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