

M12 male 0° / M12 female 90° A-cod. LED F&B Pro

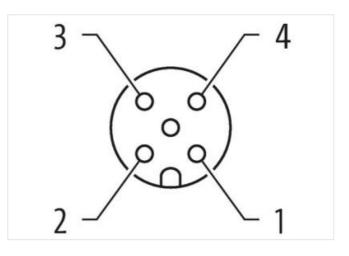
TPE-S 4x0.34 bu UL robot+drag ch. 1m

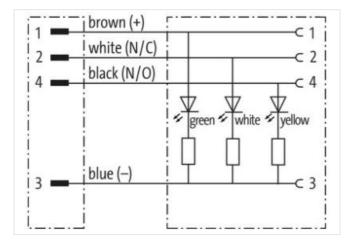
Plug Connectors for Food & Beverage The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request. Male straight Female 90° with LED M12 F&B Pro 4-pole Stainless steel 1.4404 (V4A) without cable sleeves IP69K Plastic housings with good resistance against chemicals and oils.

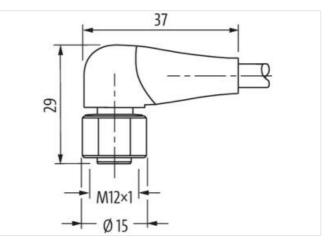
Link to Product

Illustration



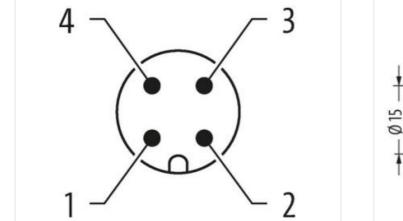


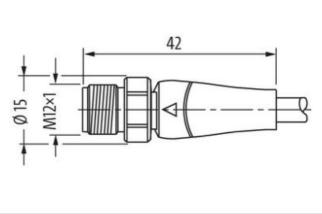




The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-21







Product may differ from Image

Cable length	1 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	4
Width across flats	SW14
Degree of protection (EN IEC 60529)	IP65, IP68, IP69K
Side 2	
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	4
Degree of protection (EN IEC 60529)	IP65, IP68, IP69K
Commercial data	
	07070040
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0 ECLASS-8.0	27279218 27279218
ECLASS-9.0	
ECLASS-9.0 ECLASS-10.1	27060311 27060311
ECLASS-10.1 ECLASS-11.1	27060311
ECLASS-11.1 ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	
	85444290
GTIN	4048879768290
Packaging unit	1
Electrical data Supply	

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-21



Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	green, white, yellow
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	
Mechanical data	
Contour for corrugated hose	without
Mechanical data Material data	
Color contact carrier	ice blue
Material gasket	EPDM PP
Material housing 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.	85 °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
	brown, black, blue, white 321
wire arrangement	
wire arrangement Cable identification	321
wire arrangement Cable identification Jacket Color	321 blue
wire arrangement Cable identification Jacket Color Amount stranding	321 blue 1
wire arrangement Cable identification Jacket Color Amount stranding Stranding	321 blue 1 4 wires twisted
wire arrangement Cable identification Jacket Color Amount stranding Stranding wire arrangement	321 blue 1 4 wires twisted brown, black, blue, white
wire arrangement Cable identification Jacket Color Amount stranding Stranding wire arrangement Cable weigth	321 blue 1 4 wires twisted brown, black, blue, white 29,7 g/m
wire arrangement Cable identification Jacket Color Amount stranding Stranding wire arrangement Cable weigth Material jacket	321 blue 1 4 wires twisted brown, black, blue, white 29,7 g/m TPE-S
wire arrangement Cable identification Jacket Color Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket	321 blue 1 4 wires twisted brown, black, blue, white 29,7 g/m TPE-S 47 ± 5 Shore D
wire arrangement Cable identification Jacket Color Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	321 blue 1 4 wires twisted brown, black, blue, white 29,7 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 wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	321 blue 1 4 wires twisted brown, black, blue, white 29,7 g/m TPE-S 47 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,7 mm
wire arrangement Cable identification Jacket Color Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	321 blue 1 4 wires twisted brown, black, blue, white 29,7 g/m TPE-S 47 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,7 mm ± 5 %
wire arrangement Cable identification Jacket Color Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	321 blue 1 4 wires twisted brown, black, blue, white 29,7 g/m TPE-S 47 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,7 mm ± 5 % PP
wire arrangement Cable identification Jacket Color Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires	321 blue 1 4 wires twisted brown, black, blue, white 29,7 g/m TPE-S 47 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,7 mm ± 5 % PP 4
wire arrangement Cable identification Jacket Color Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation	321 blue 1 4 wires twisted brown, black, blue, white 29,7 g/m TPE-S 47 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,7 mm ± 5 % PP 4 1,27 mm
wire arrangement Cable identification Jacket Color Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter insulation	321 blue 1 4 wires twisted brown, black, blue, white 29,7 g/m TPE-S 47 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free 4,7 mm ± 5 % PP 4 1,27 mm ± 5 %

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-21



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	4,8 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 UL 1581 § 1090 IEC 60332-2-2
chemical 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

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-21