

Summary

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Thermocouple	2
Low Voltage	1
Wire Size/AWG	28 - 20
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	3.10 - 4.20 mm
Size	1B
Matching parts	EGG.1B.303.CLK
Series	B - Indoor keyed

Technical details

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-1b-303-clkd42.html

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Electrical Configuration

Contact Termination Low voltage	Solder
Thermocouple	2
Insert configuration value	1B.303/ThC - 1 Thermocouple Pair, Ground
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	12 Amps
ThC. Materials (P+/N-)	Chromel / Alumel
Contact Dia.	1.3
Low Voltage	1
Wire Size/AWG	28 - 20
Gender	Standard

Form & Material

Shell style / Model id	FG - Straight plug, cable collet
Plug	Straight
Housing material	Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Locking system	Push-pull
Keying	1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Weight	15.92 g

Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV
Environmental protection (IP rating)	IP50
Minimal temperature	-55°C / +250°C
Climatical Category	50/175/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Shielding (min)	75 dB (10 MHz)
Shielding (min)	40 dB (1 GHz)
Shock Resistance	100 g [6 ms]
Vibration	15 g [10 Hz - 2000 Hz]
Salt Spray Corrosion	>1000 hr

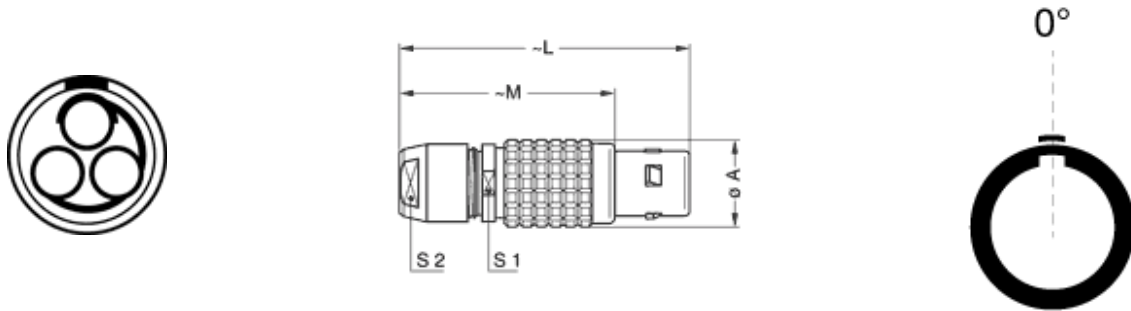
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Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	3.10 - 4.20 mm

Drawings



Dimensions

	A	L	M	S1	S2
mm.	12	43	32	10	9
in.	0.47	1.69	1.26	0.39	0.35

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