

Summary

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Thermocouple	2
Wire Size/AWG	28 - 20
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	3.60 - 4.00 mm
Size	1K
Matching parts	EGG.1K.302.CLL
Series	K - Outdoor keyed

Technical details

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-1k-302-cljc40.html

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Electrical Configuration

Thermocouple	2
Contact Termination Thermocouple	Solder
Insert configuration value	1K.302/ThC - 1 Thermocouple Pair
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	15 Amps
ThC. Materials (P+/N-)	Iron (magnetic) / Constantan
Contact Dia.	1.3
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, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces
Locking system	Push-pull
Keying	1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Weight	23.16 g

Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Test and Measurement
Environmental sealing (IP rating)	IP68
Endurance	5000 mating cycles
Temperature range	-55°C / +200°C
Climatical Category	50/175/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Shielding (min)	95 dB (10 MHz)
Shielding (min)	80 dB (1 GHz)
Shock Resistance	100 g [6 ms]
Vibration	15 g [10 Hz - 2000 Hz]
Salt Spray Corrosion	>1000 hr

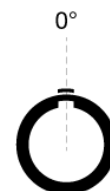
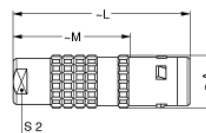
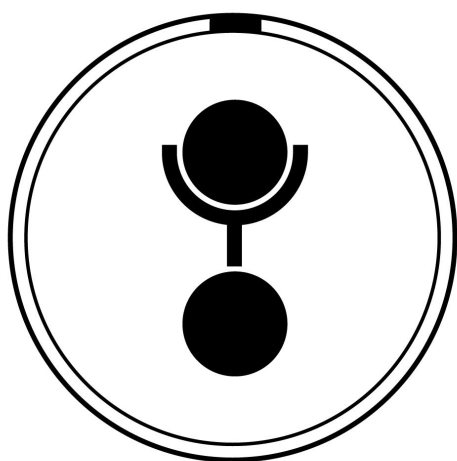
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Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	3.60 - 4.00 mm

Drawings



Contact 1: Iron (+)
Contact 2: Konstantan (-)

Dimensions

	A	L	M	S2
mm.	13	42	28	9
in.	0.51	1.65	1.1	0.35

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