

Summary

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Thermocouple	30
Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	7.80 - 9.20 mm
Size	3B
Matching parts	EGG.3B.330.CLL
Alternative part	FGG.3B.330.CYTD92Z
Series	B - Indoor keyed

Technical details

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-3b-330-cytd82z.html

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Electrical Configuration

Thermocouple	30
Contact Termination Thermocouple	Crimp
Insert configuration value	3B.330 - 15 Thermocouple Pairs
Insulator	Y: PEEK for crimp contacts
Rated current	3.5 Amps
ThC. Materials (P+/N-)	Copper / Constantan
Contact Dia.	0.7 mm (0.028in)
Wire Size/AWG	30 - 22
Gender	Standard

Form & Material

Shell style / Model id	FG - Straight plug, cable adapter and nut for fitting a bend relief
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)
Variant	Nut for fitting a bend relief

Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV
Environmental sealing (IP rating)	IP50
Endurance	5000 mating cycles
Temperature range	-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

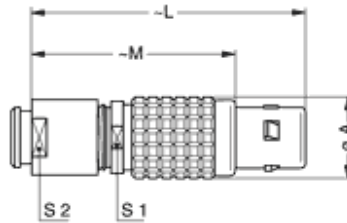
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Cable fixation

Cable termination protection	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	7.80 - 9.20 mm

Drawings



Dimensions

	S1	M	L	S2	A
mm.	15	41.5	56.5	15	18
in.	0.59	1.63	2.22	0.59	0.71

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