

Special



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Summary

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[Coax triax mixed en](#)

Number of contacts Low Voltage	10
Nb of contacts Coax	2
Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	14.60 - 15.50 mm
Size	5K
Suggested matching part	EGG.5K.870.CLL5 EBG.5K.870.CLL5
Series	K - Outdoor keyed

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-5k-870-clac155.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	10
Contact Termination Low voltage	Solder
Nb of contacts Coax	2
Contact Termination Coax - Conductor fixing	Solder
Contact Termination Coax – Screen fixing	Crimp
Insert configuration value	5K.870 - 2 Coax (75 Ohm), 10 Low V.
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	8 A
Impedance	75 Ohms
Test voltage (kV DC)	2
Cable type	RG 59 B/U
Wire Size/AWG	30 - 22
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	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	421.38 g

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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 (max. temperature valid for short periods of use.)
Climatic 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

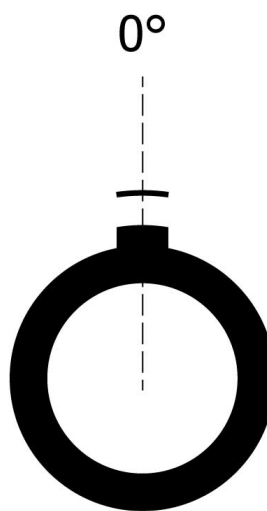
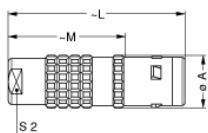
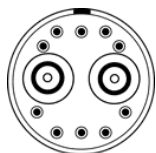
Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	14.60 - 15.50 mm

Drawings

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-5k-870-clac155.html

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Dimensions

	A	L	S2	M
mm.	38	92	30	67
in.	1.5	3.62	1.18	2.64

Recommended By Lemo

Caps

Compatible cap	BFG.5K.100.NAS
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Tools

Die Tool	DPE.99.127.0K
Extraction tool	DCC.91.COB.LAG

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