

Standard



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Summary

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[Coax triax mixed en](#)

[Customer Drawing](#)

Number of contacts Low Voltage	2
Nb of contacts Coax	3
Wire Size/AWG	24 - 20
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	3.60 - 4.00 mm
Size	3K
Suggested matching part	EGG.3K.862.CLL1
Series	K - Outdoor keyed

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-3k-862-clcc402.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	2
Contact Termination Low voltage	Crimp
Nb of contacts Coax	3
Contact Termination Coax - Conductor fixing	Crimp
Contact Termination Coax – Screen fixing	Crimp
R (max)	5.8 mOhm
Insert configuration value	3K.862 - 3 Coax (50 Ohm), 2 Low V.
Footprint IPC Class3 compatibility	No
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	9 A
Impedance	50 Ohms
Test voltage (kV DC)	1.6
Max. Conductor	0.34 mm ² (AWG 22)
Min. Conductor	0.34 mm ² (AWG 22)
Cable type	RG 178 B/U, RG 196 A/U
Contact Dia.	0.7 mm (0.028in)
Wire Size/AWG	24 - 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	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	73.7 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]	3.60 - 4.00 mm

Recommended By Lemo

Accessories

Replacement contact	FGG.3B.560.ZZC
Compatible cap	BFG.3K.100.NAS

Tools

Die Tool	DPE.99.103.1K
Positionner	DCE.91.093.BVC
Extraction tool	DCC.09.05B.LAG
Crimp tool	DPC.91.701.V
Spanner wrench	DCD.3E.ZZZ.PA150

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