

Special



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Summary

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Coax triax mixed en

Number of contacts Low Voltage	4
Number of contacts High Voltage	1
Nb of contacts Coax	1
Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	14.10 - 15.00 mm
Size	3K
Suggested matching part	EGG.3K.8H4.CLL1 PHG.3K.8H4.CLLK151
Series	K - Outdoor keyed

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-3k-8h4-clak151.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	4
Contact Termination Low voltage	Solder
Number of contacts High Voltage	1
Contact Termination High voltage	Crimp
Nb of contacts Coax	1
Contact Termination Coax - Conductor fixing	Crimp
R (max)	5.8 mOhm
Insert configuration value	3K.8H4 - 1 Coax (50 Ohm), 1 Coax (High Voltage), 4 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	2 A
Contact Dia.	0.7 mm (0.03in)
Wire Size/AWG	30 - 22
Gender	Standard

Form & Material

Shell style / Model id	FG - Straight plug with oversize 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	101.67 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]	14.10 - 15.00 mm

Drawings



Dimensions

	M	L	B	S2	S1	A
mm.	65	85	22	19	19	19
in.	2.56	3.35	0.87	0.75	0.75	0.75

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Recommended By Lemo

Accessories

Compatible cap [BFG.3K.100.NAS](#)

Tools

Coax Tool [DPE.99.103.8K](#)

Die Tool [DPE.99.124.3K](#)

Spanner wrench [DCD.3E.ZZZ.PA150](#)

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