

Special



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Summary

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3GHz 75 ohms connector for 4k 8k HDTV

Number of contacts Low Voltage	16
Nb of contacts Coax	2
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	12.10 - 13.50 mm
Size	4B
Suggested matching part	EGG.4B.X56.CLL
Series	B - Indoor keyed

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-4b-x56-clad13z.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	16
Contact Termination Low voltage	Solder
Nb of contacts Coax	2
Insert configuration value	4B.X56 - 2 Coax + 16 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	8 A
Impedance	75 Ohms
Test voltage	0.9 kV rms
Gender	Standard

Form & Material

Shell style / Model id	FG - Straight plug, cable collet 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	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Variant	Delivered without coaxial contacts
Weight	117.72 g

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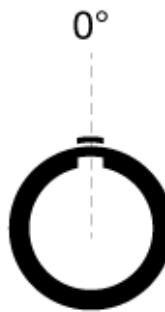
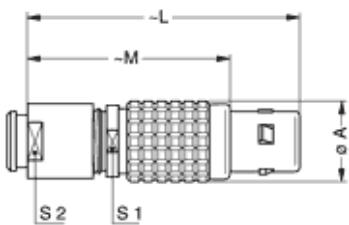
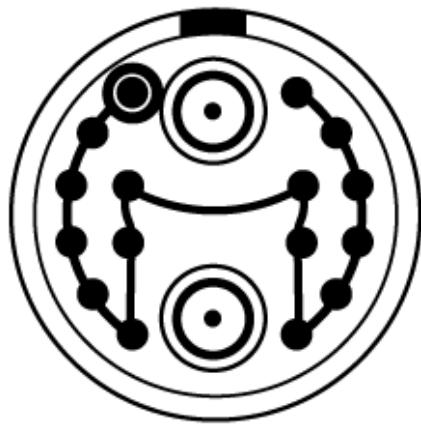
Environment

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 (max. temperature valid for short periods of use.)
Climatic Category	55/175/21
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

Cable fixation

Cable termination protection	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	12.10 - 13.50 mm

Drawings



Dimensions

A	L	M	S2	S1
mm.	25	71	53	20
in.	0.98	2.8	2.09	0.79
				0.83

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Recommended By Lemo

Accessories

Compatible cap [BFG.4B.100.NAS](#)

Tools

Spanner [DCP.91.045.TN](#)

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