

Summary

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[See video assembly instructions](#)

Low Voltage	8
Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	3.10 - 4.20 mm
Matching parts	EGG.1B.308.CLL
Series	B - Indoor keyed

Technical details

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-1b-308-clad42.html

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Electrical Configuration

Termination Low voltage	Solder
R (max)	6.1 mOhm
Insert configuration value	1B.308 - 8 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	5 Amps
Vtest (contact-contact)	950 V (AC), 1340 V (DC)
Vtest (contact-shell)	1150 V (AC), 1630 V (DC)
Contact Type	Solder
Max. Conductor	0.34 mm ² (AWG 22)
Max. Stranded Conductor	0.34 mm ² (AWG 22)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.7 mm (0.028in)
Low Voltage	8
Differentiated pairs (High speed)	4
Protocol	1000 Base-T4 (1Gb/s)
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 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)
Weight	16.68 g

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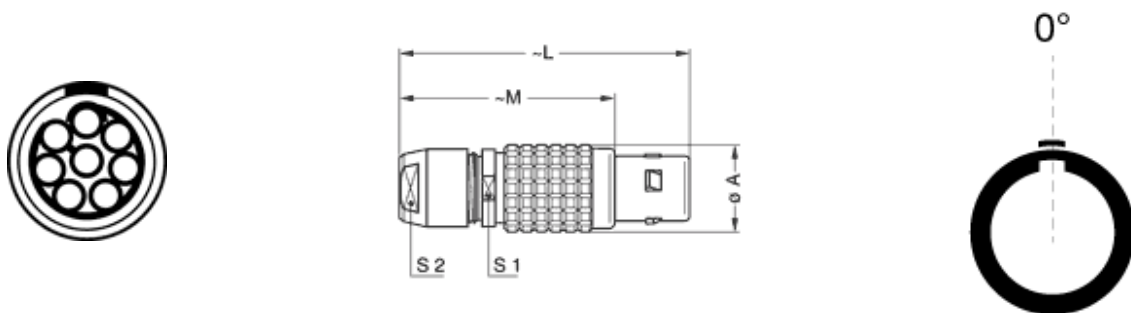
Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV
Environmental protection	IP50
Temp (min / max)	-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

Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	3.10 - 4.20 mm

Drawings



Dimensions

	A	L	M	S1	S2
mm.	12	43	32	10	9
in.	0.47	1.69	1.26	0.39	0.35

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Recommended By Lemo

Accessories	
Compatible cap	BFG.1B.100.PCSG
Tools	
Spanner wrench	DCD.1B.ZZZ.PA090

Cables

Cable PartNumber	Material	Colour	Cable image
CMN.08.T26.042QGZE	TPR (medical)	Grey	
8050	PVC	Black	