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Summary

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Number of contacts Low Voltage	9
Wire Size/AWG	34 - 28
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	3.30 - 4.20 mm
Size	0B
Suggested matching part	EGB.0B.309.CLL
Series	B - Indoor keyed

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgb-0b-309-clad42.html

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Technical details

Electrical Configuration

Contact Termination Low voltage	Solder
R (max)	8.7 mOhm
Insert configuration value	0B.309 - 9 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	2 A
Vtest (contact-contact)	600 V (AC), 850 V (DC)
Vtest (contact-shell)	500 V (AC), 710 V (DC)
Contact Type	Solder
Max. Solid Conductor	0.09 mm ² (AWG 28)
Max. Stranded Conductor	0.09 mm ² (AWG 28)
Bucket Dia.	0.45 mm (0.018in)
Contact Dia.	0.5 mm (0.02in)
Number of contacts Low Voltage	9
Wire Size/AWG	34 - 28
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	2 keys (alpha=60, plug: male contacts, receptacle: female contacts)
Colour	Grey

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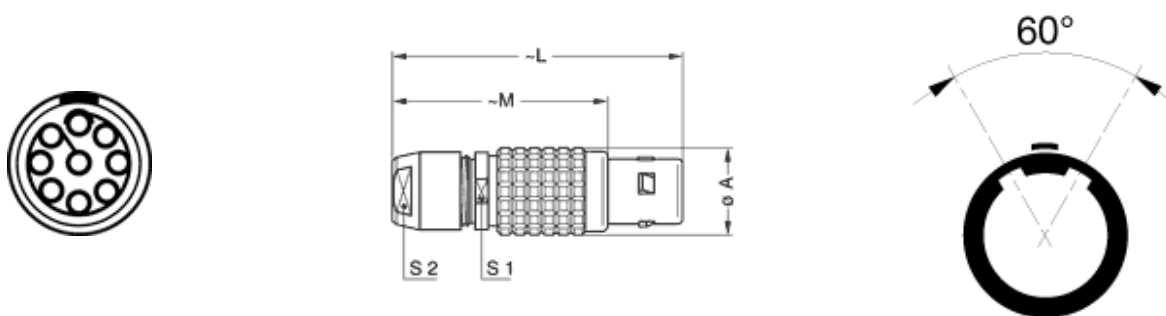
Environment

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
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]	3.30 - 4.20 mm

Drawings



Dimensions

	L	A	S2	M	S1
mm.	36	9.5	7	26	8
in.	1.42	0.37	0.28	1.02	0.31

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