



*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	1
Number of contacts High Voltage	1
Wire Size/AWG	30 - 22
Gender	Reverse Gender
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.30 - 5.20 mm
Size	0B
Series	B - Indoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgj-0b-701-cjld52.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgj-0b-701-cjld52.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	1
Contact Termination Low voltage	Solder
Number of contacts High Voltage	1
Contact Termination High voltage	Solder
Insert configuration value	0B.701 - 1 High V. 1 Low V.
Insulator	J: PEEK/PEEK
Rated current	7 A
Test voltage HV Ue (kV dc)	8.3
Test voltage HV Ue (kV rms)	5.9
Test voltage LV cont-shell(kV dc)	1.35
Test voltage LV cont-shell(kV rms)	0.95
Contact Dia.	0.7
Wire Size/AWG	30 - 22
Gender	Reverse Gender

## 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 (gamma=45, plug: female contacts, receptacle: male contacts)
Colour	Grey
Weight	9.32 g

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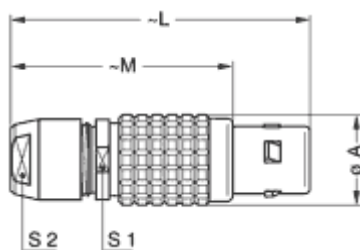
## Environment

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
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]	4.30 - 5.20 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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