



*Image for illustrative purpose only*

## Summary

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Nb of contacts Fiber optic	10
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	19.60 - 21.50 mm
Size	5B
Suggested matching part	<a href="#">ECG.5B.03J.CLZ</a>
Series	B - Indoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-5b-03j-clzd21.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-5b-03j-clzd21.html)

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# Technical details

## Electrical Configuration

Nb of contacts Fiber optic	10
Insert configuration value	5B.03J - 10 FO Type F2 ( $\leq 140 \mu\text{m}$ )
Insulator	L: PEEK (UL 94 / V-0/1.5)
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	G: 1 key ( $\alpha=0$ , plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	285.92 g

## 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.)
Climatical Category	50/175/21
Humidity (max)	$\leq 95\%$ [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

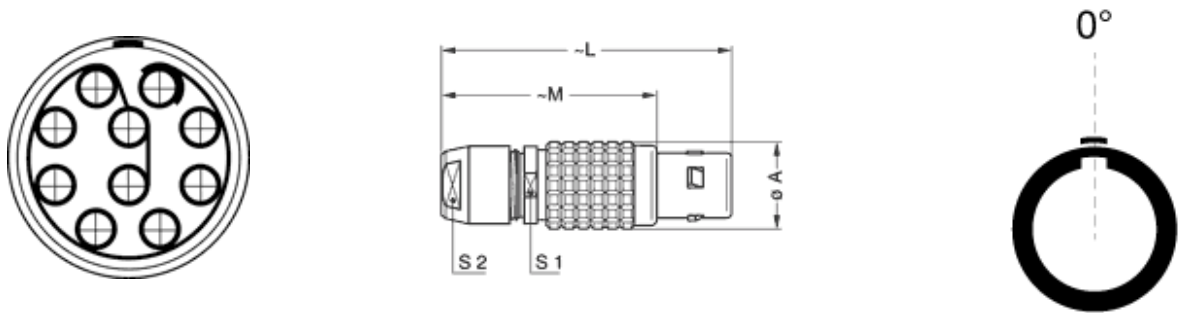
[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-5b-03j-clzd21.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-5b-03j-clzd21.html)

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Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	19.60 - 21.50 mm

Drawings



Dimensions

	S1	M	L	A	S2
mm.	31	78	103	35	30
in.	1.22	3.07	4.06	1.38	1.18

Recommended By Lemo

Accessories

Compatible cap	<a href="#">BFG.5B.100.NAS</a>
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Tools

Spanner	<a href="#">DCP.91.045.TN</a>
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