



*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	12
Number of contacts High Voltage	1
Wire Size/AWG	24 - 20
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	10.80 - 11.90 mm
Size	3B
Suggested matching part	<a href="#">EGG.3B.712.CJL</a>
Series	B - Indoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-3b-712-cjcd12.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-3b-712-cjcd12.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	12
Contact Termination Low voltage	Crimp
Number of contacts High Voltage	1
Contact Termination High voltage	Solder
Insert configuration value	3B.712 - 1 High V. 12 Low V.
Insulator	J: PEEK/PEEK
Rated current	3 A
Rated current HV (A)	4
Rated current LV (A)	5
Test voltage HV Ue (kV dc)	12
Test voltage HV Ue (kV rms)	8.5
Test voltage LV cont-cont sold.(kV rms)	1.2
Test voltage LV cont-shell sold.(kV rms)	0.85
Contact Dia.	0.9
Wire Size/AWG	24 - 20
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	45.88 g

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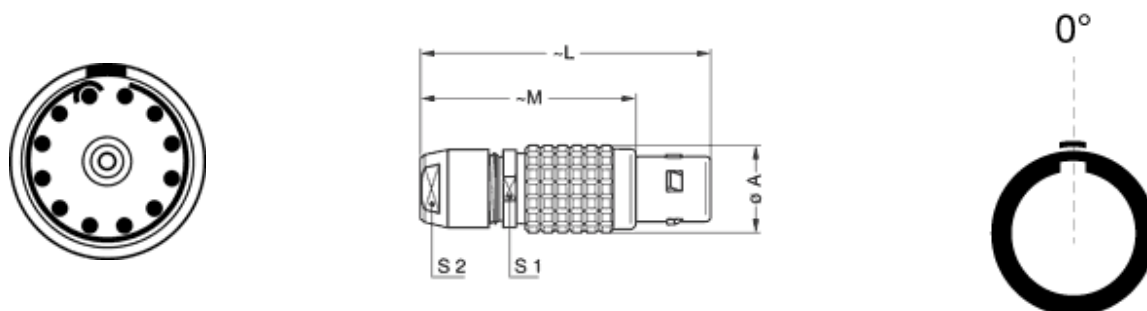
## Environment

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.)
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]	10.80 - 11.90 mm

## Drawings



## Dimensions

	L	A	M	S2	S1
mm.	58	18	43	14	15
in.	2.28	0.71	1.69	0.55	0.59

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# Recommended By Lemo

Accessories	
Replacement contact	<a href="#">FGG.3B.560.ZZC</a>
Compatible cap	<a href="#">BFG.3B.112.NAS</a>
Tools	
Spanner	<a href="#">DCP.91.023.TN</a>
Positionner	<a href="#">DCE.91.093.BVC</a>
Extraction tool	<a href="#">DCC.09.05B.LAG</a>
Crimp tool	<a href="#">DPC.91.701.V</a>
Spanner wrench	<a href="#">DCD.3B.ZZZ.PA140</a>