



## Summary

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Number of contacts Low Voltage	2
Wire Size/AWG	16 - 8
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	13.60 - 15.50 mm
Size	5B
Matching parts	<a href="#">EGG.5B.302.CLL</a>
Series	B - Indoor keyed

## Technical details

### Electrical Configuration

Insert configuration value	5B.302 - 2 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	50 Amps
Contact Type	Special
Contact Dia.	6
Number of contacts Low Voltage	2
Wire Size/AWG	16 - 8
Gender	Standard

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fcg-5b-302-cyyd15.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fcg-5b-302-cyyd15.html)

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## Form & Material

Shell style / Model id	FC - Straight plug, cable collet and safety locking ring
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	311.63 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
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

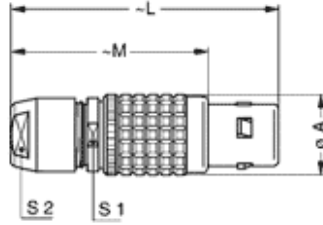
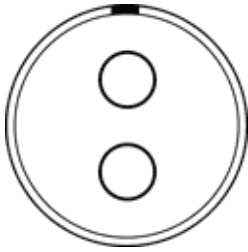
## Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	13.60 - 15.50 mm

## Drawings

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fcg-5b-302-cyyd15.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fcg-5b-302-cyyd15.html)

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## Dimensions

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

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