



## 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]	15.60 - 17.50 mm
Size	5B
Matching parts	<a href="#">EGG.5B.302.CLL</a>
Series	B - Indoor keyed

## Technical details

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-5b-302-clad17.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-5b-302-clad17.html)

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## Electrical Configuration

Contact Termination Low voltage	Solder
R (max)	1.2 mOhm
Insert configuration value	5B.302 - 2 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	50 Amps
Vtest (contact-contact)	3600 V (AC), 5000 V (DC)
Vtest (contact-shell)	2950 V (AC), 4170 V (DC)
Contact Type	Solder
Max. Solid Conductor	10 mm <sup>2</sup> (AWG 8)
Max. Stranded Conductor	10 mm <sup>2</sup> (AWG 8)
Bucket Dia.	5.2 mm (0.205in)
Contact Dia.	6 mm (0.236in)
Number of contacts Low Voltage	2
Wire Size/AWG	16 - 8
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	1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Weight	306.67 g

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## Environment

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Technical domain	Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV
Environmental protection (IP rating)	IP50
Minimal temperature	-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

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Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	15.60 - 17.50 mm

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