



## Summary

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Low Voltage	16
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Matching parts	<a href="#">FGG.1B.316.CLAD52</a>
Series	B - Indoor keyed

## Technical details

### Electrical Configuration

Contact Termination Low voltage	PCB - Straight
R (max)	8.7 mOhm
Insert configuration value	1B.316 - 16 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	1.5 Amps
Vtest (contact-contact)	800 V (AC), 1130 V (DC)
Vtest (contact-shell)	1250 V (AC), 1770 V (DC)
Contact Type	Print (straight)
Contact Dia.	0.5 mm (0.02in)
Low Voltage	16
Gender	Standard

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/ezg-1b-316-cln.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/ezg-1b-316-cln.html)

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## Form & Material

Shell style / Model id	EZ - Straight receptacle for printed circuit
Socket / Receptacle	Free
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	10.41 g

## Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV
Environmental protection	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

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet

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