



Summary

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Number of contacts Low Voltage	14
Wire Size/AWG	22 - 14
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	23.60 - 25.00 mm
Size	5B
Matching parts	EGG.5B.314.CLL
Series	B - Indoor keyed

Technical details

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-5b-314-clad25.html

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Electrical Configuration

Contact Termination Low voltage	Solder
R (max)	3.3 mOhm
Insert configuration value	5B.314 - 14 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	18 Amps
Vtest (contact-contact)	2100 V (AC), 2970 V (DC)
Vtest (contact-shell)	2000 V (AC), 2850 V (DC)
Contact Type	Solder
Max. Solid Conductor	1.5 mm ² (AWG 14)
Max. Stranded Conductor	1.5 mm ² (AWG 16)
Bucket Dia.	1.8 mm (0.071in)
Contact Dia.	2 mm (0.079in)
Number of contacts Low Voltage	14
Wire Size/AWG	22 - 14
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	298.23 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 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

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	23.60 - 25.00 mm

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