



Summary

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Low Voltage	8
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Elbow
Locking system	Push-pull
Size	1B
Matching parts	FGG.1B.308.CLAD42
Series	B - Indoor keyed

Technical details

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/exg-1b-308-hln.html

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Electrical Configuration

Contact Termination Low voltage	PCB - Straight
R (max)	6.1 mOhm
Insert configuration value	1B.308/EXG - 8 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	2 Amps
Test voltage contact-body shell	1.3 kV rms
Test voltage contact-contact	1.3 kV rms
Contact Type	Print (straight)
Contact Dia.	0.7 mm (0.028in)
Low Voltage	8
Differentiated pairs (High speed)	4
Gender	Standard

Form & Material

Shell style / Model id	EX - Elbow receptacle for printed circuit with two nuts (solder or screw fixing, back panel mounting)
Socket / Receptacle	Elbow
Housing material	PPS (Polyphenylene) shell, other pieces nickel plated [SAE AMS QQ N 290] brass
Locking system	Push-pull
Keying	1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Weight	14.08 g

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	>144 hr

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