

Special



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Summary

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[BKT series](#)

[Customer Drawing](#)

Number of contacts Low Voltage	4
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Size	1B
Suggested matching part	FGG.1B.304.NLAM31
Series	B - Indoor keyed

Technical details

Electrical Configuration

Number of contacts Low Voltage	4
Contact Termination Low voltage	PCB - Straight
R (max)	4.8 mOhm
Insert configuration value	1B.304 - 4 Low Voltage
Footprint IPC Class3 compatibility	Yes
Class3 Productibility Level Compatibility	A (General Design Producibility - Preferred)
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	10 A
Vtest (contact-contact)	2 kV (DC)
Vtest (contact-shell)	2 kV (DC)
Contact Dia.	0.9 mm (0.035in)
Number of differentiated pairs (High speed)	1
Gender	Standard

Form & Material

Shell style / Model id	EZ - Straight receptacle for printed circuit
Socket / Receptacle	Free
Housing material	Brass (nickel plated [SAE AMS QQ N 290]) shell, collet nut, latch sleeve and mid pieces
Locking system	Push-pull
Keying	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	10 g

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/ezg-1b-304-nln.html

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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 sealing (IP rating)	IP50
Endurance	5000 mating cycles
Temperature range	-55°C / +250°C (max. temperature valid for short periods of use.)
Climatic Category	55/175/21
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

Recommended By Lemo

Accessories

Compatible cap	BRE.1S.200.NAS
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CAD

Documents

PCB	Download
PCB Eagle	Download
Kicad	Download
PCB Altium	Download

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