

Standard



Image for illustrative purpose only

Summary

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[BKT series](#)

[Customer Drawing](#)

Number of contacts Low Voltage	4
Gender	Reverse Gender
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Size	0B
Suggested matching part	FGJ.0B.304.CBZZ
Series	B - Indoor keyed

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/ecj-0b-304-cbva.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	4
Contact Termination Low voltage	PCB - Elbow
R (max)	6.1 mOhm
Insert configuration value	0B.304 - 4 Low Voltage
Footprint IPC Class3 compatibility	Yes
Class3 Productibility Level Compatibility	A (General Design Producibility - Preferred)
Insulator	B: Special insulator material LCP
Rated current	6 A
Vtest (contact-contact)	1.2 kV (DC)
Vtest (contact-shell)	1 kV (DC)
Contact Dia.	0.7 mm (0.028in)
Number of differentiated pairs (High speed)	1
Gender	Reverse Gender
Important recommendation	Contact LEMO for performance details.

Form & Material

Shell style / Model id	EC - Fixed receptacle with two nuts and elbow contacts for printed circuit (back panel mounting)
Socket / Receptacle	Fixed Panel Rear Mounted
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	2 keys (gamma=45, plug: female contacts, receptacle: male contacts)
Colour	Grey
Variant	Delivered with two hex nuts
Weight	5.18 g

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	>1000 hr

Cable fixation

Panel Drill Hole	M9
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Recommended By Lemo

Accessories

Compatible cap	BRE.05.200.NAS
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CAD

Documents

PCB	Download
PCB Eagle	Download
Kicad	Download
PCB Altium	Download

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