

Standard



Image for illustrative purpose only

Summary

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BKT series

Number of contacts Low Voltage	3
Gender	Reverse Gender
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Size	1B
Suggested matching part	FGJ.1B.303.CLLD52
Series	B - Indoor keyed

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/egj-1b-303-cld.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	3
Contact Termination Low voltage	PCB - Straight
Insert configuration value	1B.303 - 3 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	12 A
Vtest (contact-contact)	1.9 kV (DC)
Vtest (contact-shell)	2.2 kV (DC)
Contact Dia.	1.3
Gender	Reverse Gender

Form & Material

Shell style / Model id	EG - Fixed receptacle, nut fixing
Socket / Receptacle	Fixed Panel Front 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
Weight	8.46 g

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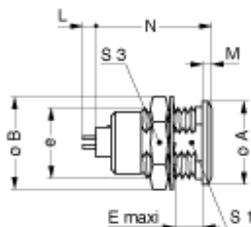
Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV
Environmental 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	M12
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Drawings



Dimensions

	e	E	Lmax	M	N	S1	S3	A	B
mm.	M12x1.0	7.5	25.1	1.5	21.1	10.5	14	14	16
in.		0.3	0.99	0.06	0.83	0.41	0.55	0.55	0.63

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Recommended By Lemo

Accessories

Compatible cap

[BRE.1S.200.NAS](#)

CAD

Documents

PCB

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PCB Altium

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