

Standard



*Image for illustrative purpose only*

## Summary

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BKT series

Number of contacts Low Voltage	12
Wire Size/AWG	36 - 28
Gender	Reverse Gender
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	1.00 - 8.30 mm
Size	0B
Suggested matching part	<a href="#">FGJ.0B.312.CLLD52</a>
Series	B - Indoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/eej-0b-312-cla.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/eej-0b-312-cla.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	12
Contact Termination Low voltage	Solder
R (max)	8.7 mOhm
Insert configuration value	0B.312 - 12 Low Voltage
Footprint IPC Class3 compatibility	No
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	1.7 A
Vtest (contact-contact)	1.1 kV (DC)
Vtest (contact-shell)	1.5 kV (DC)
Max. Solid Conductor	0.09 mm <sup>2</sup> (AWG 28)
Max. Stranded Conductor	0.05 mm <sup>2</sup> (AWG 30)
Bucket Dia.	0.4 mm (0.016in)
Contact Dia.	0.35 mm (0.01in)
Wire Size/AWG	36 - 28
Gender	Reverse Gender

## Form & Material

Shell style / Model id	EE - Fixed receptacle, nut fixing (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
Weight	8.67 g

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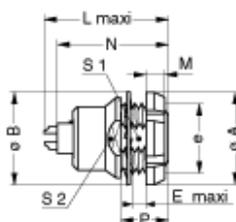
## Environment

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

Jacket cable outside diameter [mm]	1.00 - 8.30 mm
Panel Drill Hole	M9

## Drawings



## Dimensions

	S1	P	N	S2	M	L	e	B	A	E
mm.	8.2	6.3	19.1	9	2.5	20.7	M9x0.6	12.5	12	2.4
in.	0.32	0.25	0.75	0.35	0.1	0.81		0.49	0.47	0.09

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# Recommended By Lemo

## Accessories

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Compatible cap [BRE.OS.200.NAS](#)

## Tools

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Spanner 2 [DCM.65.106.AZ4](#)

Spanner wrench [Socket for torque wrench DCM.OS.M09.4](#)

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