

Special



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Summary

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BKT series

Number of contacts Low Voltage	9
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	2.00 - 22.60 mm
Size	3K
Suggested matching part	FGG.3K.309.CLAC11
Series	K - Outdoor keyed

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/ebg-3k-309-cll.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	9
Contact Termination Low voltage	Solder
R (max)	3.3 mOhm
Insert configuration value	3K.309 - 8 (1.3 mm) + 1 (2 mm) Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	1.3 mm : 8 A, 2 mm : 35 A
Vtest (contact-contact)	2 kV (DC)
Vtest (contact-shell)	1.5 kV (DC)
Bucket Dia.	8x1 mm, 1x1.8 mm
Contact Dia.	8x1.3 mm, 1x2 mm
Wire Size/AWG details	1.3 mm : 20 (AWG max), 2 mm : 16 (AWG max)
Gender	Standard

Form & Material

Shell style / Model id	EB - Fixed receptacle with square flange and 4 screw fixing
Socket / Receptacle	Fixed Panel Front Mounted
Housing material	Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces
Locking system	Push-pull
Keying	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	51.84 g

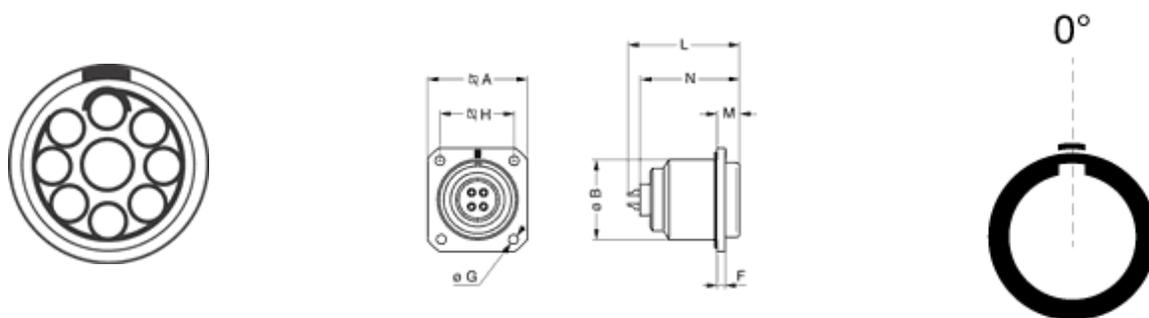
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Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Test and Measurement
Environmental sealing (IP rating)	IP68
Endurance	5000 mating cycles
Temperature range	-55°C / +200°C (max. temperature valid for short periods of use.)
Climatic Category	50/175/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Shielding (min)	95 dB (10 MHz)
Shielding (min)	80 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]	2.00 - 22.60 mm

Drawings



Dimensions

	B	A	G	H	L	M	N	F
mm.	23	29	3.4	23	36.2	6	32.6	3
in.	0.91	1.14	0.13	0.91	1.43	0.24	1.28	0.12

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Recommended By Lemo

Accessories

Compatible cap [BRE.3K.200.NAS](#)

Cables

Cable PartNumber	Material	Colour	Cable image
CMN.09.T28.050CNQZ			
CMN.09.T28.051PGZE		grey	
CMN.09.T28.051PNZE			
CMN.09.T28.051QGZE	TPR (medical)	Grey	

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