

Standard



Image for illustrative purpose only

Summary

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BKT series

Number of contacts Low Voltage	7
Wire Size/AWG	30 - 22
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Panel Drill Hole	M12
Jacket cable outside diameter [mm]	1.00 - 10.60 mm
Size	1B
Suggested matching part	FGG.1B.307.CLAD52Z
Series	B - Indoor keyed

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/ecg-1b-307-cll.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	7
Contact Termination Low voltage	Solder
R (max)	6.1 mOhm
Insert configuration value	1B.307 - 7 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	7 A
Test voltage contact-contact	1.4 kV DC
Test voltage contact-shell	1.5 kV DC
Max. Solid Conductor	0.34 mm ² (AWG 22)
Max. Stranded Conductor	0.34 mm ² (AWG 22)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.7 mm (0.028in)
Wire Size/AWG	30 - 22
Gender	Standard

Form & Material

Shell style / Model id	EC - Fixed receptacle with two nuts (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	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	10.46 g
Panel Drill Hole	M12

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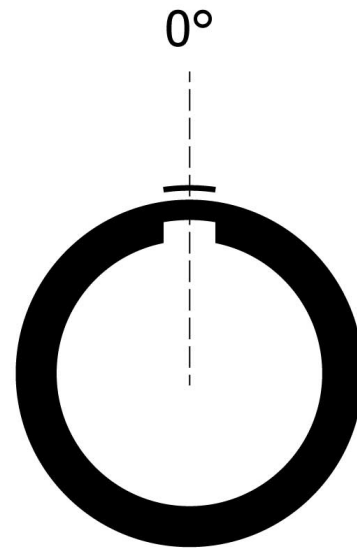
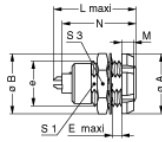
Environment

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 - 10.60 mm

Drawings

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Dimensions

	A	B	e	E	L	M	N	S1	S3
mm.	16	15.8	M12x1.0	6	23	3.5	21.1	10.5	14
in.	0.63	0.62		0.24	0.91	0.14	0.83	0.41	0.55

Recommended By Lemo

Caps

Compatible cap	BRE.1S.200.NAS
Cap 2	BRE.1S.200.NAV
Plastic Cap	BRA.1B.200.PCSG
Soft Cap	BEZ.1B.200.SCN

Tools

Spanner 2	DCM.65.141.AZ4
Spanner wrench	Socket for torque wrench DCM.1S.M12.4

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Cables

Cable PartNumber	Material	Colour	Cable image
CMN.07.T26.037QGZE	TPR (medical)	Grey	
CMN.07.T28.044PGZE		grey	
CMN.07.T28.044PNZE			
270250	PVC	Grey	
70140	PVC	Grey	
7041	PVC	Grey	
7050	PVC	Black	
717920	PVC	Grey	
CTR.75.030.121875G	PVC	Grey	

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