

Standard

*Image for illustrative purpose only*

Summary

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BKT series

Number of contacts Low Voltage	8
Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Snap-on
Jacket cable outside diameter [mm]	4.30 - 5.20 mm
Size	1B
Suggested matching part	EGG.1B.308.CLL
Series	B - Indoor keyed

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/ffg-1b-308-clad52.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	8
Contact Termination Low voltage	Solder
R (max) - electrical contact resistance	6.1 mOhm
Insert configuration value	1B.308 - 8 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	5 A
Test voltage contact-contact	1.1 kV DC
Test voltage contact-shell	1 kV DC
Max. Conductor	0.34 mm ² (AWG 22)
Max. Stranded Conductor	0.34 mm ² (AWG 22)
Bucket Dia.	0.8 mm (0.031 in)
Contact Dia.	0.7 mm (0.028 in)
Number of differential pairs (High speed)	4
Wire Size/AWG	30 - 22
Gender	Standard

Form & Material

Shell style / Model id	FF - Straight plug, non-latching, cable collet
Plug	Straight
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	Snap-on
Keying	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	18.45 g

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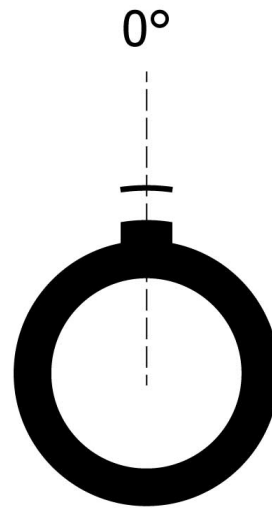
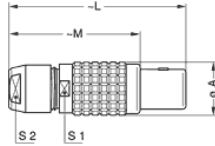
Environment

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	
Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	4.30 - 5.20 mm

Drawings

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Dimensions

	L	S2	A	M	S1
mm.	43	9	12	32	10
in.	1.69	0.35	0.47	1.26	0.39

Recommended By Lemo

Caps	
Soft Cap	BFZ.1B.100.SCN
Tools	
Spanner	DCP.91.001.TN
Spanner wrench	DCD.1B.ZZZ.PA090

Cables

Cable PartNumber	Material	Colour	Cable image
108240	PTFE	White	
108260	PTFE	White	
8280	PVC	Black	

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