

Special



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Summary

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BKT series

Number of contacts Low Voltage	30
Wire Size/AWG	32 - 28
Gender	Reverse Gender
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	9.10 - 10.50 mm
Size	4B
Series	B - Indoor keyed

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgj-4b-330-cyud10.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	30
Contact Termination Low voltage	Crimp
R (max) - electrical contact resistance	4.8 mOhm
Insert configuration value	4B.330 - 30 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	5 A
Test voltage contact-contact	1.40 kV DC
Test voltage contact-shell	1.20 kV DC
Contact retention	30 N
Max. Conductor	0.09 mm ² (AWG 28)
Min. Conductor	0.035mm ² (AWG 32)
Bucket Dia.	0.45 mm (0.018 in)
Contact Dia.	0.9 mm (0.035 in)
Wire Size/AWG	32 - 28
Gender	Reverse Gender

Form & Material

Shell style / Model id	FG - Straight plug, 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	Push-pull
Keying	J: 2 keys (alpha=37.5, plug: female contacts, receptacle: male contacts)
Colour	Grey

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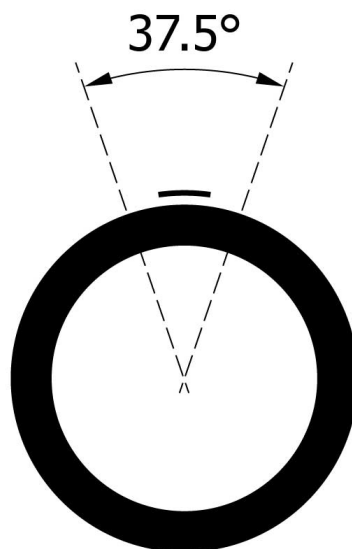
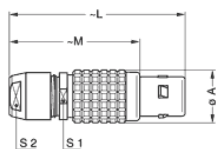
Environment

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]	9.10 - 10.50 mm

Drawings

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Dimensions

	S2	S1	M	L	A
mm.	20	21	57	75	25
in.	0.79	0.83	2.24	2.95	0.98

Recommended By Lemo

Contacts

Replacement contact [EGG.4B.662.ZZM](#)

Caps

Compatible cap [BFA.4B.100.NAS](#)

Cap 2 [BFJ.4B.100.NAV](#)

Tools

Spanner [DCP.91.045.TN](#)

Positionner [DCE.91.094.BVU](#)

Extraction tool [DCC.09.05B.LAG](#)

Crimp tool [DPC.91.701.V](#)

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