

Special



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Summary

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[BKT series](#)

[Customer Drawing](#)

Number of contacts Low Voltage	48
Wire Size/AWG	30 - 22
Gender	Reverse Gender
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	13.60 - 15.00 mm
Size	4B
Suggested matching part	EGJ.4B.348.CLA
Series	B - Indoor keyed

Technical details

Electrical Configuration

Number of contacts Low Voltage	48
Contact Termination Low voltage	Solder
R (max) - electrical contact resistance	6.1 mOhm
Insert configuration value	4B.348 - 48 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	3 A
Test voltage contact-contact	1.1 kV DC
Test voltage contact-shell	1.1 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 (0.031 in)
Contact Dia.	0.7 mm (0.028 in)
Wire Size/AWG	30 - 22
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	2 keys (alpha=37.5, plug: female contacts, receptacle: male contacts)
Colour	Grey
Weight	121.92 g

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgj-4b-348-clld15.html

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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]	13.60 - 15.00 mm

Recommended By Lemo

Caps

Compatible cap	BFA.4B.100.NAS
Cap 2	BFJ.4B.100.NAV

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