

Standard



*Image for illustrative purpose only*

## Summary

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[BKT series](#)

[Customer Drawing](#)

Number of contacts Low Voltage	4
Wire Size/AWG	22 - 14
Gender	Reverse Gender
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	9.30 - 10.00 mm
Size	3B
Suggested matching part	<a href="#">EGJ.3B.304.CLA</a>
Series	B - Indoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgj-3b-304-clld10z.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgj-3b-304-clld10z.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	4
Contact Termination Low voltage	Solder
R (max)	3.3 mOhm
Insert configuration value	3B.304 - 4 Low Voltage
Footprint IPC Class3 compatibility	No
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	17 A
Vtest (contact-contact)	2 kV (DC)
Vtest (contact-shell)	1.8 kV (DC)
Max. Solid Conductor	1.5 mm <sup>2</sup> (AWG 14)
Max. Stranded Conductor	1.5 mm <sup>2</sup> (AWG 16)
Bucket Dia.	1.8 mm (0.071in)
Contact Dia.	2 mm (0.079in)
Wire Size/AWG	22 - 14
Gender	Reverse Gender

## Form & Material

Shell style / Model id	FG - Straight plug, cable adapter and nut for fitting a bend relief
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
Variant	Nut for fitting a bend relief
Weight	48.68 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	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	9.30 - 10.00 mm

# Recommended By Lemo

## Accessories

Compatible cap	<a href="#">BFG.3B.112.NAS</a>
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# CAD

## Documents

Eplan	<a href="#">Download</a>
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