

Special



*Image for illustrative purpose only*

## Summary

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[BKT series](#)

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Number of contacts Low Voltage	10
Wire Size/AWG	22 - 18
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	7.80 - 9.20 mm
Size	4B
Suggested matching part	<a href="#">EGG.4B.310.CLL</a> <a href="#">EGG.4B.310.CYP</a>

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-4b-310-cybm82.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-4b-310-cybm82.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	10
Contact Termination Low voltage	Crimp
R (max)	3.5 mOhm
Insert configuration value	4B.310 - 10 Low Voltage
Footprint IPC Class3 compatibility	No
Insulator	Y: PEEK for crimp contacts
Rated current	17 A
Vtest (contact-contact)	2.7 kV (DC)
Vtest (contact-shell)	2.8 kV (DC)
Contact retention	50 N
Max. Conductor	1 mm <sup>2</sup> (AWG 18)
Min. Conductor	0.34 mm <sup>2</sup> (AWG 22)
Bucket Dia.	1.4 mm (0.055in)
Contact Dia.	1.6 mm (0.063in)
Wire Size/AWG	22 - 18
Gender	Standard

## 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	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	133.3 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]	7.80 - 9.20 mm

# Recommended By Lemo

## Accessories

Replacement contact	<a href="#">FGG.4B.571.ZZC</a>
Compatible cap	<a href="#">BFG.4B.100.NAS</a>

## Tools

Positionner	<a href="#">DCE.91.164.BVCM</a>
Extraction tool	<a href="#">DCC.16.25B.LAG</a>
Crimp tool	<a href="#">DPC.91.101.A</a>

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# Cables

Cable PartNumber	Material	Colour	Cable image
CMN.10.T20.080PGZE		grey	
CMN.10.T20.080PNZE			
CMN.10.T20.080QGC	TPR	Grey	

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