

Standard



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## Summary

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[BKT series](#)

[See video assembly instructions](#)

[Customer Drawing](#)

Number of contacts Low Voltage	4
Protocol	USB 2.0 (480Mb/s)
Wire Size/AWG	24 - 20
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	5.30 - 6.20 mm
Size	1B

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-1b-304-cycd62.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-1b-304-cycd62.html)

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Series

B - Indoor keyed

# Technical details

## Electrical Configuration

Number of contacts Low Voltage	4
Contact Termination Low voltage	Crimp
R (max)	4.8 mOhm
Insert configuration value	1B.304 - 4 Low Voltage
Footprint IPC Class3 compatibility	No
Insulator	Y: PEEK for crimp contacts
Rated current	10 A
Vtest (contact-contact)	2.4 kV (DC)
Vtest (contact-shell)	2.6 kV (DC)
Contact retention	30 N
Max. Conductor	0.5 mm <sup>2</sup> (AWG 20)
Min. Conductor	0.25 mm <sup>2</sup> (AWG 24)
Bucket Dia.	1.1 mm (0.043in)
Contact Dia.	0.9 mm (0.035in)
Number of differentiated pairs (High speed)	1
Protocol	USB 2.0 (480Mb/s)
Wire Size/AWG	24 - 20
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	16.83 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]	5.30 - 6.20 mm

# Recommended By Lemo

## Accessories

Replacement contact	<a href="#">FGG.1B.560.ZZC</a>
Compatible cap	<a href="#">BFG.1B.100.PCZG</a>

## Tools

Spanner	<a href="#">DCP.91.001.TN</a>
Positionner	<a href="#">DCE.91.091.BVC</a>
Extraction tool	<a href="#">DCC.09.05B.LAG</a>
Crimp tool	<a href="#">DPC.91.701.V</a>
Spanner wrench	<a href="#">DCD.1B.ZZZ.PA090</a>





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Documents

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

Cable PartNumber	Material	Colour	Cable image
CMN.04.T20.053PGZE		grey	
CMN.04.T20.053PNZE			
CMN.04.T20.053QGZE	TPR (medical)	Grey	
240500	PVC	Grey	
4220	PVC	Black	