

**Special**

*Image for illustrative purpose only*

## Summary

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[BKT series](#)

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[See video assembly instructions](#)

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[Customer Drawing](#)

Number of contacts Low Voltage	9
Wire Size/AWG	34 - 28
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.30 - 5.20 mm
Size	0B

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgc-0b-309-clad52.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgc-0b-309-clad52.html)

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Suggested matching part

EGC.0B.309.CLL  
EEC.0B.309.CLN

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Series

B - Indoor keyed

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	9
Contact Termination Low voltage	Solder
R (max)	8.7 mOhm
Insert configuration value	0B.309 - 9 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	2.5 A
Vtest (contact-contact)	1.1 kV (DC)
Vtest (contact-shell)	1.6 kV (DC)
Max. Solid Conductor	0.09 mm <sup>2</sup> (AWG 28)
Max. Stranded Conductor	0.09 mm <sup>2</sup> (AWG 28)
Bucket Dia.	0.45 mm (0.018in)
Contact Dia.	0.5 mm (0.02in)
Wire Size/AWG	34 - 28
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	2 keys (alpha=90, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	8.53 g

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## Environment

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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

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Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	4.30 - 5.20 mm

## CAD

## Documents

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Eplan

[Download](#)

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgc-0b-309-clad52.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgc-0b-309-clad52.html)

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# Cables

Cable PartNumber	Material	Colour	Cable image
CMN.09.T28.050CNQZ			
CMN.09.T28.051PGZE		grey	
CMN.09.T28.051PNZE			
CMN.09.T28.051QGZE	TPR (medical)	Grey	

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