

Special



*Image for illustrative purpose only*

## Summary

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[BKT series](#)

[Customer Drawing](#)

Number of contacts Low Voltage	10
Wire Size/AWG	22 - 18
Gender	Standard
Plug	Plug - Elbow
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>
Series	B - Indoor keyed

# 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
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	FH - Elbow plug, cable collet
Plug	Elbow
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	177.64 g

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fhg-4b-310-cybm92.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fhg-4b-310-cybm92.html)

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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]	7.80 - 9.20 mm

## Recommended By Lemo

### Accessories

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

### Tools

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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>

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fhg-4b-310-cybm92.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fhg-4b-310-cybm92.html)

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## Documents

Eplan

[Download](#)

## Cables

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

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fhg-4b-310-cybmr92.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fhg-4b-310-cybmr92.html)

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