

Special



*Image for illustrative purpose only*

## Summary

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[Customer Drawing](#)

Number of contacts Low Voltage	4
Wire Size/AWG	18 - 10
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	13.60 - 15.00 mm
Size	4B

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-4b-304-clad15.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-4b-304-clad15.html)

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Suggested matching part

**EGG.4B.304.CLL**  
**PHG.4B.304.CLLD15**

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Series

B - Indoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-4b-304-clad15.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-4b-304-clad15.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	4
Contact Termination Low voltage	Solder
R (max)	3.1 mOhm
Insert configuration value	4B.304 - 4 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	30 A
Vtest (contact-contact)	3 kV (DC)
Vtest (contact-shell)	2.1 kV (DC)
Max. Solid Conductor	4 mm <sup>2</sup> (AWG 10)
Max. Stranded Conductor	4 mm <sup>2</sup> (AWG 12)
Bucket Dia.	2.7 mm (0.106in)
Contact Dia.	3 mm (0.118in)
Wire Size/AWG	18 - 10
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	116.96 g

## 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]	13.60 - 15.00 mm

## Recommended By Lemo

### Accessories

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Compatible cap	<a href="#">BFG.4B.100.NAS</a>
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### Tools

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Spanner	<a href="#">DCP.91.045.TN</a>
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## CAD

### Documents

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