

## Summary

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Number of contacts	4
Wire Size/AWG	16 - 12
Gender	Reverse Gender
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	6.30 - 7.70 mm
Size	3B
Matching parts	<a href="#">EGJ.3B.304.CYC</a>
Series	B - Indoor keyed

## Technical details

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgj-3b-304-cymd72.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgj-3b-304-cymd72.html)

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## Electrical Configuration

Contact Termination Low voltage	Crimp
R (max)	3.3 mOhm
Insert configuration value	3B.304 - 4 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	19 Amps
Vtest (contact-contact)	2500 V (AC), 3540 V (DC)
Vtest (contact-shell)	2200 V (AC), 3110 V (DC)
Contact retention	65 N
Contact Type	Crimp
Max. Conductor	2.5 mm <sup>2</sup> (AWG 12)
Min. Conductor	1.5 mm <sup>2</sup> (AWG 16)
Bucket Dia.	2.4 mm (0.094in)
Contact Dia.	2 mm (0.079in)
Number of contacts	4
Wire Size/AWG	16 - 12
Gender	Reverse Gender

## 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=37.5, plug: female contacts, receptacle: male contacts)
Weight	51.32 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 protection (IP rating)	IP50
Minimal temperature	-55°C / +250°C
Climatical Category	50/175/21
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]	6.30 - 7.70 mm

# Recommended By Lemo

## Accessories

Replacement contact	<a href="#">EGG.3B.675.ZZM</a>
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## Tools

Positionner	<a href="#">DCE.91.203.BVCM</a>
Extraction tool	<a href="#">DCC.20.25B.LAG</a>
Crimp tool	<a href="#">DPC.91.101.A</a>
Spanner wrench	<a href="#">DCD.3B.ZZZ.PA140</a>

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# Cables

Cable PartNumber	Material	Colour	Cable image
240750	PVC	Grey	
417920	PVC	Grey	
CTR.75.030.121870G	PVC	Grey	

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