



*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	16
Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	6.30 - 7.70 mm
Size	3B
Suggested matching part	<a href="#">EGG.3B.316.CLL</a>
Series	B - Indoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-3b-316-clad72.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-3b-316-clad72.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	16
Contact Termination Low voltage	Solder
R (max)	4.8 mOhm
Insert configuration value	3B.316 - 16 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	8 A
Vtest (contact-contact)	1.7 kV (DC)
Vtest (contact-shell)	1.2 kV (DC)
Max. Solid Conductor	0.34 mm <sup>2</sup> (AWG 22)
Max. Stranded Conductor	0.34 mm <sup>2</sup> (AWG 22)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.9 mm (0.035in)
Wire Size/AWG	30 - 22
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	47.33 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.)
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

Compatible cap	<a href="#">BFG.3B.112.NAS</a>
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## Tools

Spanner	<a href="#">DCP.91.023.TN</a>
Spanner wrench	<a href="#">DCD.3B.ZZZ.PA140</a>

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# Cables

Cable PartNumber	Material	Colour	Cable image
CMN.16.T22.076QGZE	TPR (medical)	Grey	
CMN.16.T28.070NNZZ			
116280	PVC	Black	
216260	PVC	Black	

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