



*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	16
Wire Size/AWG	24 - 20
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	9.30 - 10.00 mm
Size	3B
Suggested matching part	<a href="#">EGG.3B.316.UYM</a>
Series	B - Indoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-3b-316-uycd10.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-3b-316-uycd10.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	16
Contact Termination Low voltage	Crimp
R (max)	4.8 mOhm
Insert configuration value	3B.316 - 16 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	8 A
Vtest (contact-contact)	2.6 kV (DC)
Vtest (contact-shell)	2.1 kV (DC)
Contact retention	30 N
Max. Conductor	0.5 mm <sup>2</sup> (AWG 20)
Min. Conductor	0.25 mm <sup>2</sup> (AWG 24)
Bucket Dia.	1.1 mm (0.043in)
Contact Dia.	0.9 mm (0.035in)
Wire Size/AWG	24 - 20
Gender	Standard

## Form & Material

Shell style / Model id	FG - Straight plug, cable collet
Plug	Straight
Housing material	Stainless steel shell, collet nut, latch sleeve, mid pieces, collet and washers
Locking system	Push-pull
Keying	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Weight	45.5 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]

## Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	9.30 - 10.00 mm

# Recommended By Lemo

## Accessories

Replacement contact	<a href="#">FGG.3B.560.ZZC</a>
Compatible cap	<a href="#">BFG.3B.100.PCSG</a>

## Tools

Spanner	<a href="#">DCP.91.023.TN</a>
Positionner	<a href="#">DCE.91.093.BVC</a>
Extraction tool	<a href="#">DCC.09.05B.LAG</a>
Crimp tool	<a href="#">DPC.91.701.V</a>
Spanner wrench	<a href="#">DCD.3B.ZZZ.PA140</a>

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