



*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	7
Wire Size/AWG	28 - 20
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	7.30 - 8.20 mm
Size	2B
Series	B - Indoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-2b-307-tlad82z.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-2b-307-tlad82z.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	7
Contact Termination Low voltage	Solder
R (max)	3.6 mOhm
Insert configuration value	2B.307 - 7 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	11 A
Vtest (contact-contact)	2.5 kV (DC)
Vtest (contact-shell)	2.3 kV (DC)
Max. Solid Conductor	0.5 mm <sup>2</sup> (AWG 20)
Max. Stranded Conductor	0.5 mm <sup>2</sup> (AWG 20)
Bucket Dia.	1 mm (0.039in)
Contact Dia.	1.3 mm (0.051in)
Wire Size/AWG	28 - 20
Gender	Standard

## Form & Material

Shell style / Model id	FG - Straight plug, cable collet and nut for fitting a bend relief
Plug	Straight
Housing material	Stainless steel shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces
Locking system	Push-pull
Keying	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Variant	Nut for fitting a bend relief
Weight	27.54 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	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	7.30 - 8.20 mm

# Recommended By Lemo

## Accessories

Compatible cap	<a href="#">BFG.2B.100.PCSG</a>
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## Tools

Spanner	<a href="#">DCP.91.023.TN</a>
Spanner wrench	<a href="#">DCD.2B.ZZZ.PA120</a>

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# Cables

Cable PartNumber	Material	Colour	Cable image
370500	PVC	Grey	
717920	PVC	Grey	
CTR.75.030.121875G	PVC	Grey	

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