



*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	2
Wire Size/AWG	20 - 18
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	6.30 - 7.20 mm
Size	1B
Suggested matching part	<a href="#">EGE.1B.302.CLL</a>
Series	B - Indoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fge-1b-302-cycd72z.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fge-1b-302-cycd72z.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	2
Contact Termination Low voltage	Crimp
R (max)	3.6 mOhm
Insert configuration value	1B.302 - 2 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	15 A
Vtest (contact-contact)	2.4 kV (DC)
Vtest (contact-shell)	2 kV (DC)
Contact retention	40 N
Max. Conductor	1 mm <sup>2</sup> (AWG 18)
Min. Conductor	0.5 mm <sup>2</sup> (AWG 20)
Bucket Dia.	1.4 mm (0.055in)
Contact Dia.	1.3 mm (0.051in)
Wire Size/AWG	20 - 18
Gender	Standard

## Form & Material

Shell style / Model id	FG - Straight plug, cable collet and nut for fitting a bend relief
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 (beta=145, plug: male contacts, receptacle: female contacts)
Colour	Grey
Variant	Nut for fitting a bend relief
Weight	16.2 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	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	6.30 - 7.20 mm

# Recommended By Lemo

## Accessories

Replacement contact	<a href="#">FGG.1B.565.ZZC</a>
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## Tools

Positionner	<a href="#">DCE.91.131.BVC</a>
Extraction tool	<a href="#">DCC.13.15B.LAG</a>
Crimp tool	<a href="#">DPC.91.701.V</a>
Spanner wrench	<a href="#">DCD.1B.ZZZ.PA090</a>

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# Cables

Cable PartNumber	Material	Colour	Cable image
CMN.02.T18.064UNCU			