

Special



*Image for illustrative purpose only*

## Summary

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[Fluidic en](#)

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Number of contacts Low Voltage	18
Nb of contacts Fluidic	2
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	10.60 - 12.00 mm
Size	4B
Series	B - Indoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-4b-p29-clcd12z.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-4b-p29-clcd12z.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	18
Contact Termination Low voltage	Crimp
Nb of contacts Fluidic	2
Contact Termination Fluidic	Crimp
Insert configuration value	4B.P29 - 2 Fluidic with valve P1, 18 Low Voltage
Footprint IPC Class3 compatibility	No
Insulator	L: PEEK (UL 94 / V-0/1.5)
Max pressure	6 bar (87.02 psi)
Test voltage (kV rms) Contact-contact	0.85
Test voltage (kV rms) Contact-shell	0.75
Tube Inner Dia.	1.8 mm (0.070)
Tube Outer Dia.	3.0 mm (0.118 in.)
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	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Variant	Nut for fitting a bend relief
Weight	117.66 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.)
Climatic Category	55/175/21
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]	10.60 - 12.00 mm

# Recommended By Lemo

## Accessories

Replacement contact	<a href="#">FGG.4B.555.ZZC</a>
Compatible cap	<a href="#">BFG.4B.100.NAS</a>

## Tools

Spanner	<a href="#">DCP.91.045.TN</a>
Crimp tool	<a href="#">DPC.91.701.V</a>

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