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## Summary

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Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Size	2B
Suggested matching part	<a href="#">ENY.2B.3G8.PLLB</a>
Series	B - Indoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgy-2b-3g8-plad4mb.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgy-2b-3g8-plad4mb.html)

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# Technical details

## Electrical Configuration

R (max)	4.8 mOhm
Insulator	L: PEEK (UL 94 / V-0/1.5)
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	FGY - Straight plug, cable collet and PSU or PPSU outer shell
Plug	Straight
Housing material	PSU (Polysulfone) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Locking system	Push-pull
Keying	3 keys (beta=112.5, gamma=100, plug: male contacts, receptacle: female contacts)
Weight	20.67 g

## 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	-50°C / +150°C
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]

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**Cable fixation**

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet

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