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Summary

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Number of contacts Low Voltage	6
Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Elbow
Locking system	Push-pull
Jacket cable outside diameter [mm]	3.10 - 6.20 mm
Size	1B
Suggested matching part	EGG.1B.306.CLL
Series	B - Indoor keyed

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fpg-1b-306-cyzz.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	6
Insert configuration value	1B.306 - 6 Low Voltage
Insulator	LCP for crimp contacts
Rated current	7 A
Contact Dia.	0.7
Wire Size/AWG	30 - 22
Gender	Standard

Form & Material

Shell style / Model id	FP - Elbow (90°) plug with cable collet
Plug	Elbow
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	Special part (contact LEMO for details)
Weight	19.35 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	-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

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Cable fixation

Fixation type	Cable collet
Jacket cable outside diameter [mm]	3.10 - 6.20 mm

Recommended By Lemo

Accessories

Compatible cap	BFG.1B.100.PCZG
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