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Summary

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Number of contacts Low Voltage	3
Wire Size/AWG	28 - 20
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Jacket cable outside diameter [mm]	3.10 - 6.20 mm
Size	1B
Suggested matching part	FGG.1B.303.CYZZ
Series	B - Indoor keyed

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/phg-1b-303-cyzz.html

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Technical details

Electrical Configuration

Insert configuration value	1B.303 - 3 Low Voltage
Insulator	LCP for crimp contacts
Rated current	12 A
Contact Type	No contact(s)
Contact Dia.	1.3
Number of contacts Low Voltage	3
Wire Size/AWG	28 - 20
Gender	Standard

Form & Material

Shell style / Model id	PH - Free receptacle for cable collet (collet not provided))
Socket / Receptacle	Free
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
Weight	17.14 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
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

Cable termination protection	For cable bend relief
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Fixation type	Cable collet
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Jacket cable outside diameter [mm]	3.10 - 6.20 mm
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Recommended By Lemo

Accessories

Compatible cap	BRF.1S.200.NAS
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