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## Summary

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Number of contacts Low Voltage	4
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Elbow
Locking system	Push-pull
Size	1B
Suggested matching part	<a href="#">FGG.1B.304.CYCD52</a>
Series	B - Indoor keyed

# Technical details

## Electrical Configuration

Number of contacts Low Voltage	4
Contact Termination Low voltage	PCB - Straight
R (max)	4.8 mOhm
Insert configuration value	1B.304/EPG - 4 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	4.5 A
Test voltage contact-body shell	1.8 kV rms
Test voltage contact-contact	1.7 kV rms
Contact Dia.	0.9 mm (0.035in)
Number of differentiated pairs (High speed)	1
Gender	Standard

## Form & Material

Shell style / Model id	EP - Elbow receptacle for printed circuit (solder or screw fixing)
Socket / Receptacle	Elbow
Housing material	PPS (Polyphenylene) shell, other pieces nickel plated [SAE AMS QQ N 290] brass
Locking system	Push-pull
Keying	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Weight	12.08 g

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/epg-1b-304-hln.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/epg-1b-304-hln.html)

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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
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	>144 hr

## Recommended By Lemo

### Accessories

Compatible cap	<a href="#">BRE.1S.200.NAS</a>
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