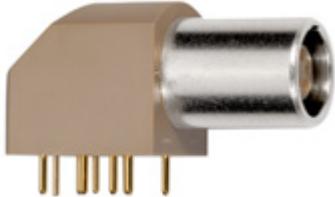


Standard



*Image for illustrative purpose only*

## Summary

[Request a quote](#)

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[BKT series](#)

[Customer Drawing](#)

Number of contacts Low Voltage	5
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Elbow
Locking system	Push-pull
Size	0B
Suggested matching part	<a href="#">FGG.0B.305.CLAD52Z</a>
Series	B - Indoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/epg-0b-305-hln.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/epg-0b-305-hln.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	5
Contact Termination Low voltage	PCB - Straight
R (max)	6.1 mOhm
Insert configuration value	0B.305/EPG - 5 Low Voltage
Footprint IPC Class3 compatibility	Yes
Class3 Productibility Level Compatibility	A (General Design Producibility - Preferred)
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	4.5 A
Vtest (contact-contact)	1.4 kV (DC)
Vtest (contact-shell)	1 kV (DC)
Contact Dia.	0.7 mm (0.028in)
Gender	Standard

## Form & Material

Shell style / Model id	EP.HLN - 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	9.74 g

## Environment

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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	>144 hr

## Recommended By Lemo

### Accessories

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Compatible cap	<a href="#">BRE.05.200.NAS</a>
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## CAD

### Documents

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PCB	<a href="#">Download</a>
PCB Eagle	<a href="#">Download</a>
Kicad	<a href="#">Download</a>
PCB Altium	<a href="#">Download</a>

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/epg-0b-305-hln.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/epg-0b-305-hln.html)

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