

## Summary

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Low Voltage	9
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Elbow
Locking system	Push-pull
Matching parts	<a href="#">FGG.0B.309.CLAD52Z</a>
Series	B - Indoor keyed

## Technical details

### Electrical Configuration

Contact Termination Low voltage	PCB - Straight
R (max)	8.7 mOhm
Insert configuration value	0B.309/EPG - 9 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	1.5 Amps
Test voltage contact-body shell	0.5 kV rms
Test voltage contact-contact	0.6 kV rms
Contact Type	Print (straight)
Contact Dia.	0.5 mm (0.02in)
Low Voltage	9
Gender	Standard

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/epg-0b-309-hln.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/epg-0b-309-hln.html)

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## 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	1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Weight	9.5 g

## Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV
Environmental protection	IP50
Minimal temperature	-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

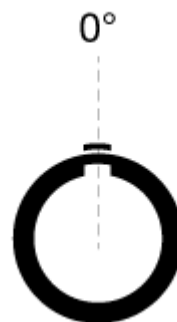
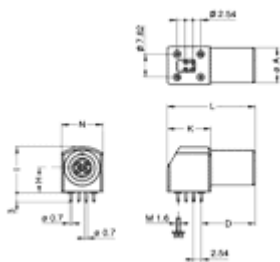
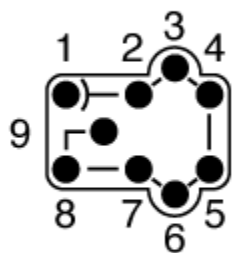
## Cable fixation

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

# Drawings

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/epg-0b-309-hln.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/epg-0b-309-hln.html)

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## Dimensions

	A	D	H	I	K	L	N	R
mm.	9	14.6	6.7	12.6	13.3	25	11.7	7.62
in.	0.35	0.57	0.26	0.5	0.52	0.98	0.46	0.3

## Recommended By Lemo

### Accessories

### Tools