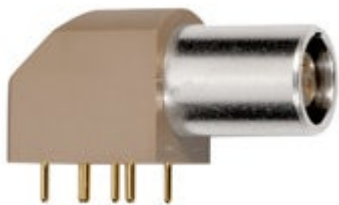


[Standard](#)

*Image for illustrative purpose only*

## Summary

[Request a quote](#)[BKT series](#)[Customer Drawing](#)

|                                |                                    |
|--------------------------------|------------------------------------|
| Number of contacts Low Voltage | 4                                  |
| Gender                         | Standard                           |
| Socket / Receptacle            | Socket / Receptacle - Elbow        |
| Locking system                 | Push-pull                          |
| Size                           | 0B                                 |
| Suggested matching part        | <a href="#">FGG.0B.304.CLAD52Z</a> |
| Series                         | B - Indoor keyed                   |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/epg-0b-304-hln.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/epg-0b-304-hln.html)

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# Technical details

## Electrical Configuration

|                                             |                                              |
|---------------------------------------------|----------------------------------------------|
| Number of contacts Low Voltage              | 4                                            |
| Contact Termination Low voltage             | PCB - Straight                               |
| R (max)                                     | 6.1 mOhm                                     |
| Insert configuration value                  | 0B.304/EPG - 4 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                                        |
| Test voltage contact-contact                | 1.2 kV DC                                    |
| Test voltage contact-shell                  | 1 kV DC                                      |
| Contact Dia.                                | 0.7 mm (0.028in)                             |
| Number of differentiated pairs (High speed) | 1                                            |
| 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                 | 9.58 g                                                                         |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/epg-0b-304-hln.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/epg-0b-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 (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

### Caps

|                |                                 |
|----------------|---------------------------------|
| Compatible cap | <a href="#">BRE.OS.200.NAS</a>  |
| Cap 2          | <a href="#">BRE.OS.200.NPSN</a> |
| Plastic Cap    | <a href="#">BRA.OB.200.PCSG</a> |
| Soft Cap       | <a href="#">BEZ.OB.200.SCN</a>  |

## CAD

### Documents

|           |                          |
|-----------|--------------------------|
| PCB Eagle | <a href="#">Download</a> |
|-----------|--------------------------|

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/epg-0b-304-hln.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/epg-0b-304-hln.html)

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