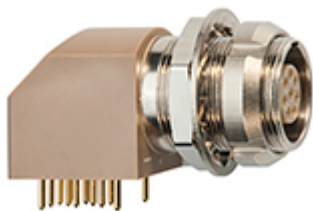


Standard

*Image for illustrative purpose only*

## Summary

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

|                                |                                   |
|--------------------------------|-----------------------------------|
| Number of contacts Low Voltage | 6                                 |
| Gender                         | Standard                          |
| Socket / Receptacle            | Socket / Receptacle - Elbow       |
| Locking system                 | Push-pull                         |
| Panel Drill Hole               | M11                               |
| Size                           | 1B                                |
| Suggested matching part        | <a href="#">FGG.1B.306.CLAD42</a> |
| Series                         | B - Indoor keyed                  |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/exg-1b-306-hln.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/exg-1b-306-hln.html)

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# Technical details

## Electrical Configuration

|                                           |                                              |
|-------------------------------------------|----------------------------------------------|
| Number of contacts Low Voltage            | 6                                            |
| Contact Termination Low voltage           | PCB - Straight                               |
| R (max)                                   | 6.1 mOhm                                     |
| Insert configuration value                | 1B.306/EXG - 6 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)                   | 1.5 kV (DC)                                  |
| Vtest (contact-shell)                     | 1.7 kV (DC)                                  |
| Contact Dia.                              | 0.7 mm (0.028in)                             |
| Gender                                    | Standard                                     |

## Form & Material

|                        |                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------|
| Shell style / Model id | EX - Elbow receptacle for printed circuit with two nuts (solder or screw fixing, back panel mounting) |
| 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                 | 14.56 g                                                                                               |
| Panel Drill Hole       | M11                                                                                                   |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/exg-1b-306-hln.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/exg-1b-306-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.1S.200.NAS</a>  |
| Cap 2          | <a href="#">BRE.1S.200.NAV</a>  |
| Plastic Cap    | <a href="#">BRA.1B.200.PCSG</a> |
| Soft Cap       | <a href="#">BEZ.1B.200.SCN</a>  |

### Tools

|                |                                                        |
|----------------|--------------------------------------------------------|
| Spanner 2      | <a href="#">DCM.65.122.AZ4</a>                         |
| Spanner wrench | <a href="#">Socket for torque wrench DCM.65.120.AZ</a> |

## CAD

### Documents

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

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/exg-1b-306-hln.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/exg-1b-306-hln.html)

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