



## Summary

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|                                |                                    |
|--------------------------------|------------------------------------|
| Number of contacts Low Voltage | 6                                  |
| Gender                         | Standard                           |
| Socket / Receptacle            | Socket / Receptacle - Elbow        |
| Locking system                 | Push-pull                          |
| Size                           | 0B                                 |
| Suggested matching part        | <a href="#">FGG.0B.306.CLAD32Z</a> |
| Series                         | B - Indoor keyed                   |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/exg-0b-306-hln.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/exg-0b-306-hln.html)

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# Technical details

## Electrical Configuration

|                                 |                            |
|---------------------------------|----------------------------|
| Contact Termination Low voltage | PCB - Straight             |
| R (max)                         | 8.7 mOhm                   |
| Insert configuration value      | 0B.306/EXG - 6 Low Voltage |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5)  |
| Rated current                   | 2.5 A                      |
| Test voltage contact-body shell | 1.2 kV rms                 |
| Test voltage contact-contact    | 1.25 kV rms                |
| Contact Type                    | Print (straight)           |
| Contact Dia.                    | 0.5 mm (0.02in)            |
| Number of contacts Low Voltage  | 6                          |
| 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                 | 1 key (alpha=0, plug: male contacts, receptacle: female contacts)                                     |
| Weight                 | 7.91 g  |

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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  |

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