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# 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.CLAD52Z</a> |
| Series                         | B - Indoor keyed                   |

# Technical details

## Electrical Configuration

|                                 |                            |
|---------------------------------|----------------------------|
| Number of contacts Low Voltage  | 6                          |
| Contact Termination Low voltage | PCB - Straight             |
| R (max)                         | 8.7 mOhm                   |
| Insert configuration value      | 0B.306/EPG - 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 Dia.                    | 0.5 mm (0.02in)            |
| Gender                          | Standard                   |

## Form & Material

|                        |                                                                                |
|------------------------|--------------------------------------------------------------------------------|
| Shell style / Model id | EP - 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                 | 9.69 g                                                                         |

## 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                                                                                                                                    |

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

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# Recommended By Lemo

## Accessories

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Compatible cap

[BRE.OS.200.NAS](#)

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

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