



## Summary

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|                                |                                                |
|--------------------------------|------------------------------------------------|
| Number of contacts Low Voltage | 6                                              |
| Wire Size/AWG                  | 24 - 16                                        |
| Gender                         | Standard                                       |
| Socket / Receptacle            | Socket / Receptacle - Fixed Panel Rear Mounted |
| Locking system                 | Push-pull                                      |
| Size                           | 3B                                             |
| Matching parts                 | <a href="#">FGG.3B.306.CLAD10</a>              |
| Series                         | B - Indoor keyed                               |

## Technical details

### Electrical Configuration

|                                 |                           |
|---------------------------------|---------------------------|
| Contact Termination Low voltage | PCB - Elbow               |
| R (max)                         | 3.5 mOhm                  |
| Insert configuration value      | 3B.306 - 6 Low Voltage    |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5) |
| Contact Type                    | Print (elbow)             |
| Contact Dia.                    | 1.6 mm (0.063in)          |
| Number of contacts Low Voltage  | 6                         |
| Wire Size/AWG                   | 24 - 16                   |
| Gender                          | Standard                  |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/ecg-3b-306-clv.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/ecg-3b-306-clv.html)

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## Form & Material

|                        |                                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell style / Model id | EC - Fixed receptacle with two nuts and elbow contacts for printed circuit (back panel mounting)                              |
| Socket / Receptacle    | Fixed Panel Rear Mounted                                                                                                      |
| Housing material       | Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces |
| Locking system         | Push-pull                                                                                                                     |
| Keying                 | 1 key (alpha=0, plug: male contacts, receptacle: female contacts)                                                             |
| Weight                 | 31.19 g                                                                                                                       |

## Environment

|                                      |                                                                                                                                            |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Technical domain                     | Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV |
| Environmental protection (IP rating) | 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                 | >1000 hr                                                                                                                                   |

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