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## Summary

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|                                |  |
|--------------------------------|--|
| Number of contacts Low Voltage | 8  |
| Gender                         | Standard                                       |
| Socket / Receptacle            | Socket / Receptacle - Fixed Panel Rear Mounted |
| Locking system                 | Push-pull                                      |
| Size                           | 1B   |
| Suggested matching part        | <a href="#">FGG.1B.308.CLAD52Z</a>             |
| Series                         | B - Indoor keyed                               |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/ecg-1b-308-cln.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/ecg-1b-308-cln.html)

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# Technical details

## Electrical Configuration

|   |                           |
|---|---------------------------|
| Contact Termination Low voltage             | PCB - Straight            |
| R (max)                                     | 6.1 mOhm                  |
| Insert configuration value                  | 1B.308 - 8 Low Voltage    |
| Insulator                                   | L: PEEK (UL 94 / V-0/1.5) |
| Rated current                               | 5 A                       |
| Vtest (contact-contact)                     | 950 V (AC), 1340 V (DC)   |
| Vtest (contact-shell)                       | 1150 V (AC), 1630 V (DC)  |
| Contact Type                                | Print (straight)          |
| Contact Dia.                                | 0.7 mm (0.028in)          |
| Number of contacts Low Voltage              | 8                         |
| Number of differentiated pairs (High speed) | 4                         |
| Gender                                      | Standard                  |

## Form & Material

|                        |   |
|------------------------|---|
| Shell style / Model id | EC - Fixed receptacle with two nuts and straight 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                 | G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)  |
| Colour                 | Grey  |
| Weight                 | 10.65 g   |

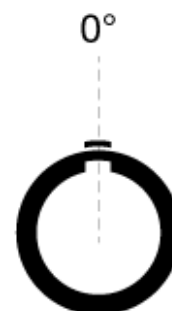
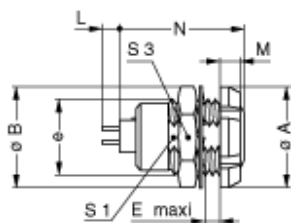
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## Environment

|                                   |  |
|-----------------------------------|--|
| 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              | >1000 hr   |

## Drawings



## Dimensions

|     | <b>A</b> | <b>B</b> | <b>e</b> | <b>E</b> | <b>M</b> | <b>Lmax</b> | <b>Nmax</b> | <b>S1</b> | <b>S3</b> |
|-----|----------|----------|----------|----------|----------|-------------|-------------|-----------|-----------|
| mm. | 16       | 15.8     | M12x1.0  | 6        | 3.5      | 22.9        | 19.5        | 10.5      | 14        |
| in. | 0.63     | 0.62     |          | 0.24     | 0.14     | 0.9         | 0.77        | 0.41      | 0.55      |

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# Recommended By Lemo

## Accessories

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Compatible cap [BRE.1S.200.NAS](#)

## Tools

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Spanner 2 [DCH.91.161.PA](#)

Spanner wrench [Socket for torque wrench DCM.1S.M12.4](#)

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/ecg-1b-308-cln.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/ecg-1b-308-cln.html)

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