



## 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                 | 1 key (alpha=0, plug: male contacts, receptacle: female contacts)                                                             |
| Weight                 | 10.65 g                                                                                                                       |

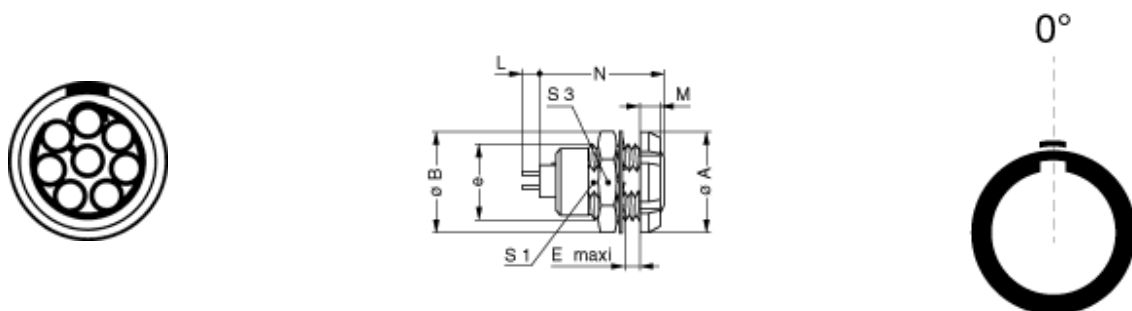
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## Environment

|                                   |                                                                                                                                            |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 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

|     | A    | B    | e       | E    | M    | Lmax | Nmax | S1   | S3   |
|-----|------|------|---------|------|------|------|------|------|------|
| 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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