



## Summary

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|                     |                                                |
|---------------------|------------------------------------------------|
| Low Voltage         | 8                                              |
| Wire Size/AWG       | 30 - 22                                        |
| Gender              | Standard                                       |
| Socket / Receptacle | Socket / Receptacle - Fixed Panel Rear Mounted |
| Locking system      | Push-pull                                      |
| Matching parts      | <a href="#">FGG.1B.308.CLAD52Z</a>             |
| Series              | B - Indoor keyed                               |

## Technical details

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

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## Electrical Configuration

|                                   |                               |
|-----------------------------------|-------------------------------|
| Contact Termination Low voltage   | Solder                        |
| 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 Amps                        |
| Vtest (contact-contact)           | 950 V (AC), 1340 V (DC)       |
| Vtest (contact-shell)             | 1150 V (AC), 1630 V (DC)      |
| Contact Type                      | Solder                        |
| Max. Solid Conductor              | 0.34 mm <sup>2</sup> (AWG 22) |
| Max. Stranded Conductor           | 0.34 mm <sup>2</sup> (AWG 22) |
| Bucket Dia.                       | 0.8 mm (0.031in)              |
| Contact Dia.                      | 0.7 mm (0.028in)              |
| Low Voltage                       | 8                             |
| Differentiated pairs (High speed) | 4                             |
| Wire Size/AWG                     | 30 - 22                       |
| Gender                            | Standard                      |

## Form & Material

|                        |                                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell style / Model id | EC - Fixed receptacle with two nuts (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                 | 10.59 g                                                                                                                       |

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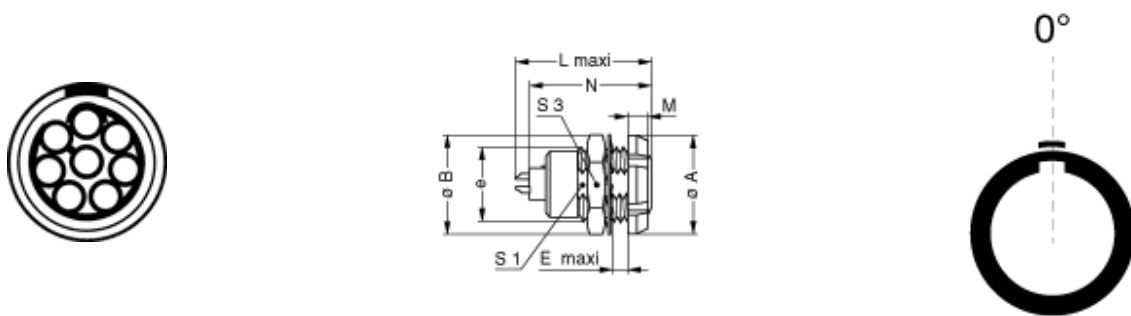
## Environment

|                          |                                                                                                                                            |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Technical domain         | Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV |
| Environmental protection | 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                                                                                                                                   |

## Cable fixation

|                              |                                              |
|------------------------------|----------------------------------------------|
| Cable termination protection | Standard back nut (no additional protection) |
| Fixation type                | Cable collet                                 |

## Drawings



## Dimensions

|     | A    | B    | e       | E    | L    | M    | N    | S1   | S3   |
|-----|------|------|---------|------|------|------|------|------|------|
| mm. | 16   | 15.8 | M12x1.0 | 6    | 23   | 3.5  | 21.1 | 10.5 | 14   |
| in. | 0.63 | 0.62 |         | 0.24 | 0.91 | 0.14 | 0.83 | 0.41 | 0.55 |

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# Recommended By Lemo

## Accessories

### Tools

Spanner 2

[DCH.91.161.PA](#)

Spanner wrench

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

## Cables

| Cable PartNumber   | Material      | Colour | Cable image                                                                          |
|--------------------|---------------|--------|--------------------------------------------------------------------------------------|
| CMN.08.T22.059QGC  | TPR           | Grey   |                                                                                      |
| CMN.08.T22.059QGZE | TPR (medical) | Grey   |    |
| CMN.08.T26.042QGZE | TPR (medical) | Grey   |    |
| 108220             | PVC           | Black  |    |
| 108240             | PTFE          | White  |    |
| 108260             | PTFE          | White  |  |
| 16080              | PVC           | Grey   |                                                                                      |
| 180240             | PVC           | Black  |  |
| 180260             | PVC           | Black  |  |
| 280250             | PVC           | Grey   |  |
| 335990             | PVC           | Black  |  |
| 335991             | PVC           | Black  |  |
| 42265              | PVC           | Yellow |                                                                                      |
| 80140              | PVC           | Grey   |  |
| 8050               | PVC           | Black  |  |
| 8280               | PVC           | Black  |  |

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