

Special



*Image for illustrative purpose only*

## Summary

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|                                    |  |
|------------------------------------|--|
| Number of contacts Low Voltage     | 9  |
| Wire Size/AWG                      | 34 - 28  |
| Gender                             | Standard                                       |
| Socket / Receptacle                | Socket / Receptacle - Fixed Panel Rear Mounted |
| Locking system                     | Push-pull                                      |
| Jacket cable outside diameter [mm] | 1.00 - 8.30 mm                                 |
| Size                               | 0B   |
| Suggested matching part            | <a href="#">FGC.0B.309.CLAD56</a>              |
| Series                             | B - Indoor keyed                               |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/ecc-0b-309-cll.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/ecc-0b-309-cll.html)

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# Technical details

## Electrical Configuration

|                                 |                               |
|---------------------------------|-------------------------------|
| Number of contacts Low Voltage  | 9                             |
| Contact Termination Low voltage | Solder                        |
| R (max)                         | 8.7 mOhm                      |
| Insert configuration value      | 0B.309 - 9 Low Voltage        |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5)     |
| Rated current                   | 2.5 A                         |
| Vtest (contact-contact)         | 1.1 kV (DC)                   |
| Vtest (contact-shell)           | 1.6 kV (DC)                   |
| Max. Solid Conductor            | 0.09 mm <sup>2</sup> (AWG 28) |
| Max. Stranded Conductor         | 0.09 mm <sup>2</sup> (AWG 28) |
| Bucket Dia.                     | 0.45 mm (0.018in)             |
| Contact Dia.                    | 0.5 mm (0.02in)               |
| Wire Size/AWG                   | 34 - 28                       |
| 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                 | 2 keys (alpha=90, plug: male contacts, receptacle: female contacts)   |
| Colour                 | Grey  |
| Weight                 | 5.02 g  |

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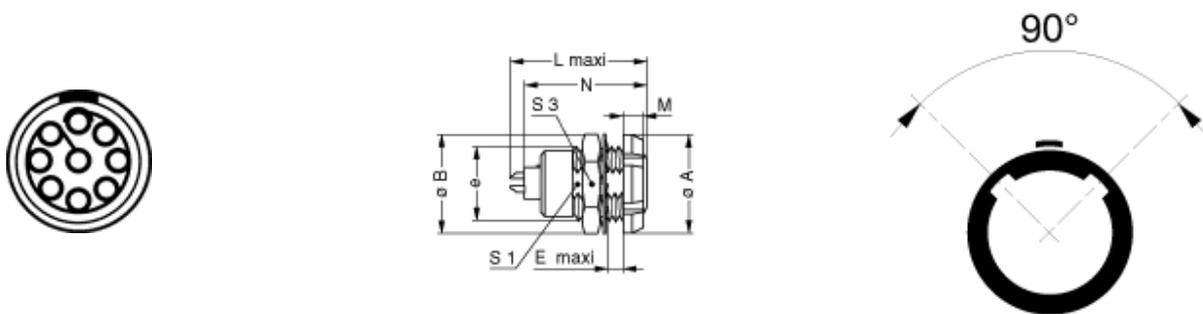
## Environment

|                                   |  |
|-----------------------------------|--|
| 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 (max. temperature valid for short periods of use.)  |
| Climatic Category                 | 55/175/21  |
| 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

|                                    |                |
|------------------------------------|----------------|
| Jacket cable outside diameter [mm] | 1.00 - 8.30 mm |
|------------------------------------|----------------|

## Drawings



## Dimensions

|     | A    | B    | S3   | M   | N    | S1   | L    | E    | e      |
|-----|------|------|------|-----|------|------|------|------|--------|
| mm. | 12   | 12.4 | 11   | 2.5 | 19.1 | 8.2  | 20.7 | 5.5  | M9x0.6 |
| in. | 0.47 | 0.49 | 0.43 | 0.1 | 0.75 | 0.32 | 0.81 | 0.22 |        |

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# Recommended By Lemo

## Accessories

Compatible cap [BRE.0S.200.NAS](#)

## Tools

Spanner 2 [DCM.65.106.AZ4](#)

Spanner wrench [Socket for torque wrench DCM.65.100.AZ and DCM.0S.M09.4](#)

# Cables

| Cable PartNumber   | Material      | Colour | Cable image   |
|--------------------|---------------|--------|---|
| CMN.09.T28.050CNQZ |               |        |   |
| CMN.09.T28.051PGZE |               | grey   |    |
| CMN.09.T28.051PNZE |               |        |    |
| CMN.09.T28.051QGZE | TPR (medical) | Grey   |  |

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