



Summary

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| | |
|------------------------------------|--|
| Number of contacts Low Voltage | 10 |
| 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 - 10.60 mm |
| Size | 1B |
| Suggested matching part | FGG.1B.310.CLAD52Z |
| Series | B - Indoor keyed |

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/ecg-1b-310-cll.html

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Technical details

Electrical Configuration

| | |
|---------------------------------|-------------------------------|
| Contact Termination Low voltage | Solder |
| R (max) | 8.7 mOhm |
| Insert configuration value | 1B.310 - 10 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 2.5 A |
| Vtest (contact-contact) | 900 V (AC), 1270 V (DC) |
| Vtest (contact-shell) | 1500 V (AC), 2120 V (DC) |
| Contact Type | Solder |
| Max. Solid Conductor | 0.09 mm ² (AWG 28) |
| Max. Stranded Conductor | 0.09 mm ² (AWG 28) |
| Bucket Dia. | 0.45 mm (0.018in) |
| Contact Dia. | 0.5 mm (0.02in) |
| Number of contacts Low Voltage | 10 |
| 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 | 1 key (alpha=0, plug: male contacts, receptacle: female contacts) |
| Weight | 10.24 g |

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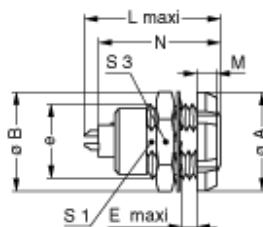
Environment

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

Cable fixation

| | |
|------------------------------------|-----------------|
| Jacket cable outside diameter [mm] | 1.00 - 10.60 mm |
|------------------------------------|-----------------|

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.10.T28.052PGZE | | grey |  |
| CMN.10.T28.052PNZE | | |  |
| CMN.10.T28.053QGZE | TPR (medical) | Grey |  |
| 110280 | PVC | Black |  |