



Image for illustrative purpose only

Summary

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| | |
|------------------------------------|--|
| Number of contacts Low Voltage | 12 |
| Wire Size/AWG | 30 - 22 |
| Gender | Standard |
| Socket / Receptacle | Socket / Receptacle - Fixed Panel Rear Mounted |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 2.00 - 13.60 mm |
| Size | 2B |
| Suggested matching part | FGG.2B.312.CLAD82 |
| Series | B - Indoor keyed |

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/ecg-2b-312-cll.html

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Technical details

Electrical Configuration

| | |
|---------------------------------|-------------------------------|
| Contact Termination Low voltage | Solder |
| R (max) | 6.1 mOhm |
| Insert configuration value | 2B.312 - 12 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 7 A |
| Vtest (contact-contact) | 1250 V (AC), 1770 V (DC) |
| Vtest (contact-shell) | 1350 V (AC), 1910 V (DC) |
| Contact Type | Solder |
| Max. Solid Conductor | 0.34 mm ² (AWG 22) |
| Max. Stranded Conductor | 0.34 mm ² (AWG 22) |
| Bucket Dia. | 0.8 mm (0.031in) |
| Contact Dia. | 0.7 mm (0.028in) |
| Number of contacts Low Voltage | 12 |
| 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) |
| Colour | Grey |
| Weight | 16.76 g |

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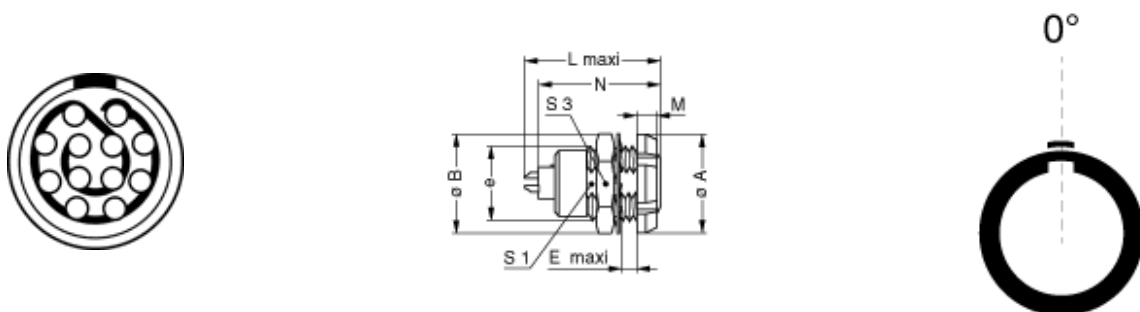
Environment

| | |
|-----------------------------------|--|
| 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] | 2.00 - 13.60 mm |
|------------------------------------|-----------------|

Drawings



Dimensions

| | B | A | L | M | N | S1 | S3 | E | e |
|-----|----------|----------|----------|----------|----------|-----------|-----------|----------|----------|
| mm. | 19.2 | 20 | 26.7 | 3.5 | 24.6 | 13.5 | 17 | 6.5 | M15x1.0 |
| in. | 0.76 | 0.79 | 1.05 | 0.14 | 0.97 | 0.53 | 0.67 | 0.26 | |

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Recommended By Lemo

Accessories






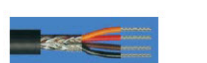



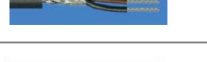

Compatible cap [BRE.2S.200.NAS](#)

Tools

Spanner 2 [DCH.91.201.PA](#)

Spanner wrench [Socket for torque wrench DCM.65.170.AZ and DCM.2S.M15.6](#)

Cables

| Cable PartNumber | Material | Colour | Cable image |
|--------------------|---------------|--------|---|
| CMN.12.T22.070QGZE | TPR (medical) | Grey |  |
| CMN.12.T28.054PGZE | | grey |  |
| CMN.12.T28.054PNZE | | |  |
| 112240 | PTFE | White |  |
| 112260 | PTFE | White |  |
| 112280 | PVC | Black |  |
| 12050 | PVC | Black |  |
| 124080 | PVC | Grey | |
| 124084 | PVC | Black | |
| 212220 | PVC | Black |  |
| 212240 | PVC | Black |  |
| 212250 | PVC | Grey |  |
| 212260 | PVC | Black |  |

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