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Summary

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| | |
|------------------------------------|------------------|
| Number of contacts Low Voltage | 1 |
| Gender | Standard |
| Plug | Plug - Straight |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 3.10 - 4.20 mm |
| Size | 1B |
| Series | B - Indoor keyed |

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fcg-1b-130-ctad42z.html

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Technical details

Electrical Configuration

| | |
|---------------------------------|----------|
| Number of contacts Low Voltage | 1 |
| Contact Termination Low voltage | Solder |
| Insulator | T: PTFE |
| Gender | Standard |

Form & Material

| | |
|------------------------|---|
| Shell style / Model id | FC - Straight plug, cable collet and safety locking ring |
| Plug | Straight |
| 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 | G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts) |
| Colour | Grey |
| Variant | Nut for fitting a bend relief |

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 |

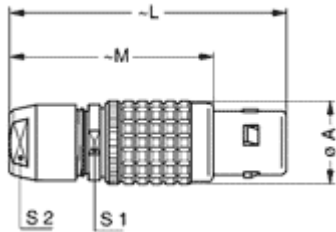
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Cable fixation

| | |
|------------------------------------|-----------------------|
| Cable termination protection | For cable bend relief |
| Fixation type | Cable collet |
| Jacket cable outside diameter [mm] | 3.10 - 4.20 mm |

Drawings



Dimensions

| | A | L | M | S1 | S2 |
|-----|----------|----------|----------|-----------|-----------|
| mm. | 12 | 43 | 32 | 10 | 9 |
| in. | 0.47 | 1.69 | 1.26 | 0.39 | 0.35 |

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