



Image for illustrative purpose only

Summary

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| | |
|------------------------------------|--------------------------------|
| Number of contacts Low Voltage | 6 |
| Number of contacts High Voltage | 1 |
| Wire Size/AWG | 28 - 20 |
| Gender | Standard |
| Plug | Plug - Straight |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 3.30 - 4.20 mm |
| Size | 2B |
| Suggested matching part | EGG.2B.706.CJL |
| Series | B - Indoor keyed |

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-2b-706-cjad42z.html

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Technical details

Electrical Configuration

| | |
|--|-----------------------------|
| Contact Termination Low voltage | Solder |
| Contact Termination High voltage | Solder |
| Insert configuration value | 2B.706 - 1 High V. 6 Low V. |
| Insulator | J: PEEK/PEEK |
| Rated current | 2 A |
| Rated current HV (A) | 2 |
| Rated current LV (A) | 11 |
| Test voltage HV Ue (kV dc) | 9.0 |
| Test voltage HV Ue (kV rms) | 6.4 |
| Test voltage LV cont-cont sold.(kV rms) | 1.75 |
| Test voltage LV cont-shell sold.(kV rms) | 1.6 |
| Contact Type | Solder |
| Contact Dia. | 1.3 |
| Number of contacts Low Voltage | 6 |
| Number of contacts High Voltage | 1 |
| Wire Size/AWG | 28 - 20 |
| Gender | Standard |

Form & Material

| | |
|------------------------|---|
| Shell style / Model id | FG - Straight plug, cable collet and nut for fitting a bend relief |
| 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 |
| Weight | 30.6 g |

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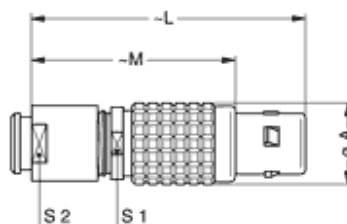
Environment

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

| | |
|------------------------------------|-----------------------|
| Cable termination protection | For cable bend relief |
| Fixation type | Cable collet |
| Jacket cable outside diameter [mm] | 3.30 - 4.20 mm |

Drawings



Dimensions

| | A | L | M | S1 | S2 |
|-----|----------|----------|----------|-----------|-----------|
| mm. | 15 | 49 | 37 | 13 | 12 |
| in. | 0.59 | 1.93 | 1.46 | 0.51 | 0.47 |

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