



*Image for illustrative purpose only*

## Summary

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|                                    |                  |
|------------------------------------|------------------|
| Number of contacts Low Voltage     | 1                |
| Number of contacts High Voltage    | 1                |
| Wire Size/AWG                      | 30 - 22          |
| Gender                             | Reverse Gender   |
| Plug                               | Plug - Straight  |
| Locking system                     | Push-pull        |
| Jacket cable outside diameter [mm] | 4.30 - 5.20 mm   |
| Size                               | 0B               |
| Series                             | B - Indoor keyed |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgj-0b-701-cjld52.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgj-0b-701-cjld52.html)

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# Technical details

## Electrical Configuration

|                                    |                             |
|------------------------------------|-----------------------------|
| Number of contacts Low Voltage     | 1                           |
| Contact Termination Low voltage    | Solder                      |
| Number of contacts High Voltage    | 1                           |
| Contact Termination High voltage   | Solder                      |
| Insert configuration value         | 0B.701 - 1 High V. 1 Low V. |
| Insulator                          | J: PEEK/PEEK                |
| Rated current                      | 7 A                         |
| Test voltage HV Ue (kV dc)         | 8.3                         |
| Test voltage HV Ue (kV rms)        | 5.9                         |
| Test voltage LV cont-shell(kV dc)  | 1.35                        |
| Test voltage LV cont-shell(kV rms) | 0.95                        |
| Contact Dia.                       | 0.7                         |
| Wire Size/AWG                      | 30 - 22                     |
| Gender                             | Reverse Gender              |

## Form & Material

|                        |   |
|------------------------|---|
| Shell style / Model id | FG - Straight plug, cable collet  |
| 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                 | 2 keys (gamma=45, plug: female contacts, receptacle: male contacts)   |
| Colour                 | Grey  |
| Weight                 | 9.32 g  |

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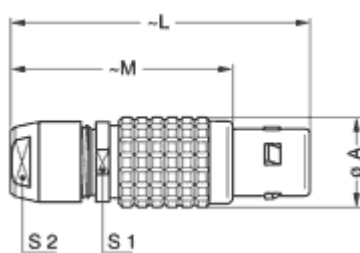
## Environment

|                                   |  |
|-----------------------------------|--|
| 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.)  |
| 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       | Standard back nut (no additional protection) |
| Fixation type                      | Cable collet                                 |
| Jacket cable outside diameter [mm] | 4.30 - 5.20 mm                               |

## Drawings



## Dimensions

|     | L    | A    | S2   | M    | S1   |
|-----|------|------|------|------|------|
| mm. | 36   | 9.5  | 7    | 26   | 8    |
| in. | 1.42 | 0.37 | 0.28 | 1.02 | 0.31 |

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