



Image for illustrative purpose only

Summary

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| | |
|------------------------------------|------------------|
| Number of contacts Low Voltage | 22 |
| Wire Size/AWG | 32 - 28 |
| Gender | Reverse Gender |
| Plug | Plug - Straight |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 4.30 - 5.20 mm |
| Size | 3B |
| Series | B - Indoor keyed |

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgj-3b-322-cypm52.html

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Technical details

Electrical Configuration

| | |
|---------------------------------|--------------------------------|
| Number of contacts Low Voltage | 22 |
| Contact Termination Low voltage | Crimp |
| R (max) | 6.1 mOhm |
| Insert configuration value | 3B.322 - 22 Low Voltage |
| Insulator | Y: PEEK for crimp contacts |
| Rated current | 5.5 A |
| Vtest (contact-contact) | 2.4 kV (DC) |
| Vtest (contact-shell) | 2 kV (DC) |
| Contact retention | 22 N |
| Max. Conductor | 0.09 mm ² (AWG 28) |
| Min. Conductor | 0.035 mm ² (AWG 32) |
| Bucket Dia. | 0.45 mm (0.018in) |
| Contact Dia. | 0.7 mm (0.028in) |
| Wire Size/AWG | 32 - 28 |
| 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 (alpha=37.5, plug: female contacts, receptacle: male contacts) |
| Colour | Grey |
| Weight | 56.95 g |

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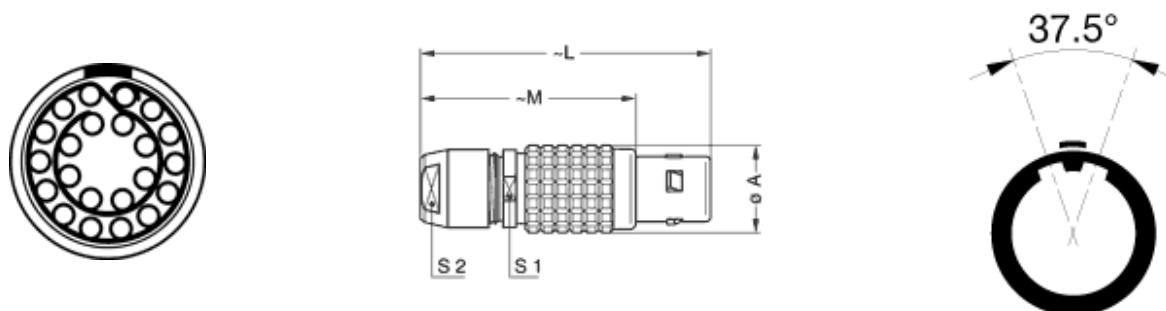
Environment

| | |
|-----------------------------------|--|
| 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 | M | S2 | S1 |
|-----|------|------|------|------|------|
| mm. | 58 | 18 | 43 | 14 | 15 |
| in. | 2.28 | 0.71 | 1.69 | 0.55 | 0.59 |

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Recommended By Lemo

| Accessories | |
|---------------------|----------------------------------|
| Replacement contact | EGG.3B.656.ZZM |
| Compatible cap | BFG.3B.112.NAS |
| Tools | |
| Spanner | DCP.91.023.TN |
| Positionner | DCE.91.073.BVM |
| Extraction tool | DCC.07.04B.LAG |
| Crimp tool | DPC.91.701.V |
| Spanner wrench | DCD.3B.ZZZ.PA140 |