

Standard



Image for illustrative purpose only

Summary

[Request a quote](#)

[BKT series](#)

[See video assembly instructions](#)

| | |
|------------------------------------|--------------------------------|
| Number of contacts Low Voltage | 4 |
| Wire Size/AWG | 16 - 12 |
| Gender | Standard |
| Plug | Plug - Straight |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 7.80 - 9.20 mm |
| Size | 3B |
| Suggested matching part | EGG.3B.304.CYM |
| Series | B - Indoor keyed |

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-3b-304-cycd92z.html

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Technical details

Electrical Configuration

| | |
|---------------------------------|------------------------------|
| Number of contacts Low Voltage | 4 |
| Contact Termination Low voltage | Crimp |
| R (max) | 3.3 mOhm |
| Insert configuration value | 3B.304 - 4 Low Voltage |
| Insulator | Y: PEEK for crimp contacts |
| Rated current | 17 A |
| Vtest (contact-contact) | 3.4 kV (DC) |
| Vtest (contact-shell) | 2.5 kV (DC) |
| Contact retention | 65 N |
| Max. Conductor | 2.5 mm ² (AWG 12) |
| Min. Conductor | 1.5 mm ² (AWG 16) |
| Bucket Dia. | 2.4 mm (0.094in) |
| Contact Dia. | 2 mm (0.079in) |
| Wire Size/AWG | 16 - 12 |
| Gender | Standard |

Form & Material

| | |
|------------------------|---|
| Shell style / Model id | FG - Straight plug, cable adapter 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 |

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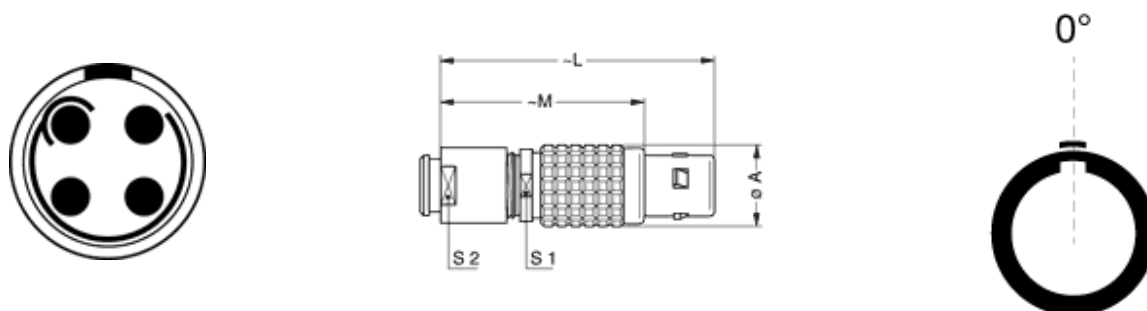
Environment

| | |
|-----------------------------------|--|
| 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.) |
| Climatic Category | 55/175/21 |
| 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] | 7.80 - 9.20 mm |

Drawings



Dimensions

| | S1 | M | L | S2 | A |
|-----|------|------|------|------|------|
| mm. | 15 | 41.5 | 56.5 | 15 | 18 |
| in. | 0.59 | 1.63 | 2.22 | 0.59 | 0.71 |

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Recommended By Lemo

| Accessories | | |
|---------------------|--|----------------------------------|
| Replacement contact | | FGG.3B.575.ZZC |
| Compatible cap | | BFG.3B.112.NAS |
| Tools | | |
| Spanner | | DCP.91.023.TN |
| Positionner | | DCE.91.203.BVCM |
| Extraction tool | | DCC.20.25B.LAG |
| Crimp tool | | DPC.91.101.A |
| Spanner wrench | | DCD.3B.ZZZ.PA150 |

Cables

| Cable PartNumber | Material | Colour | Cable image |
|--------------------|----------|--------|---|
| CMN.04.T14.083PGZE | | grey |  |
| CMN.04.T14.083PNZE | | |  |