

Special



*Image for illustrative purpose only*

## Summary

[Request a quote](#)

[BKT series](#)

[See video assembly instructions](#)

|                                    |                                |
|------------------------------------|--------------------------------|
| Number of contacts Low Voltage     | 48                             |
| Wire Size/AWG                      | 30 - 22                        |
| Gender                             | Standard                       |
| Plug                               | Plug - Straight                |
| Locking system                     | Push-pull                      |
| Jacket cable outside diameter [mm] | 8.20 - 9.20 mm                 |
| Size                               | 4B                             |
| Suggested matching part            | <a href="#">EGG.4B.348.CLL</a> |
| Series                             | B - Indoor keyed               |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-4b-348-clam92z.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-4b-348-clam92z.html)

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# Technical details

## Electrical Configuration

|                                 |                               |
|---------------------------------|-------------------------------|
| Number of contacts Low Voltage  | 48                            |
| Contact Termination Low voltage | Solder                        |
| R (max)                         | 6.1 mOhm                      |
| Insert configuration value      | 4B.348 - 48 Low Voltage       |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5)     |
| Rated current                   | 3 A                           |
| Vtest (contact-contact)         | 1.1 kV (DC)                   |
| Vtest (contact-shell)           | 1.1 kV (DC)                   |
| Max. Conductor                  | 0.34 mm <sup>2</sup> (AWG 22) |
| Max. Stranded Conductor         | 0.34 mm <sup>2</sup> (AWG 22) |
| Bucket Dia.                     | 0.8 mm (0.031in)              |
| Contact Dia.                    | 0.7 mm (0.028in)              |
| Wire Size/AWG                   | 30 - 22                       |
| 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                 | 130.76 g  |

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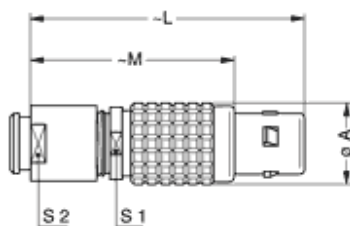
## Environment

|                                   |  |
|-----------------------------------|--|
| 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.)  |
| 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] | 8.20 - 9.20 mm        |

## Drawings



## Dimensions

|     | <b>A</b> | <b>L</b> | <b>M</b> | <b>S2</b> | <b>S1</b> |
|-----|----------|----------|----------|-----------|-----------|
| mm. | 25       | 71       | 53       | 20        | 21        |
| in. | 0.98     | 2.8      | 2.09     | 0.79      | 0.83      |

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# Recommended By Lemo

## Accessories

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Compatible cap

[BFG.4B.100.NAS](#)

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