

Standard



*Image for illustrative purpose only*

## Summary

[Request a quote](#)

BKT series

|                                    |  |
|------------------------------------|--|
| Number of contacts Low Voltage     | 1  |
| Wire Size/AWG                      | 18 - 10  |
| Gender                             | Standard   |
| Plug                               | Plug - Straight  |
| Locking system                     | Push-pull  |
| Jacket cable outside diameter [mm] | 5.30 - 6.20 mm   |
| Size                               | 1B   |
| Suggested matching part            | <a href="#">EGG.1B.130.CTL</a><br><a href="#">EEG.1B.130.CTL</a> |
| Series                             | B - Indoor keyed   |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-1b-130-ctad62.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-1b-130-ctad62.html)

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# Technical details

## Electrical Configuration

|                                 |                            |
|---------------------------------|----------------------------|
| Number of contacts Low Voltage  | 1                          |
| Contact Termination Low voltage | Solder                     |
| R (max)                         | 3.1 mOhm                   |
| Insert configuration value      | 1B.130 - 1 Low Voltage     |
| Insulator                       | T: PTFE                    |
| Rated current                   | 25 A                       |
| Test voltage (kV DC)            | 2.1                        |
| Max. Solid Conductor            | 4 mm <sup>2</sup> (AWG 10) |
| Max. Stranded Conductor         | 4 mm <sup>2</sup> (AWG 12) |
| Bucket Dia.                     | 2.7 mm (0.106in)           |
| Contact Dia.                    | 3 mm (0.118in)             |
| Wire Size/AWG                   | 18 - 10                    |
| Gender                          | Standard                   |

## 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                 | G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)  |
| Colour                 | Grey  |
| Weight                 | 11.7 g  |

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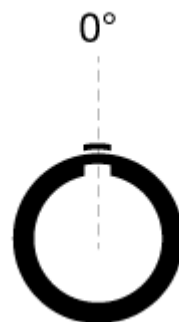
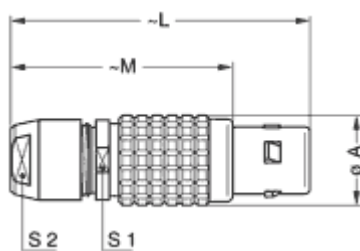
## Environment

|                                   |  |
|-----------------------------------|--|
| 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       | Standard back nut (no additional protection) |
| Fixation type                      | Cable collet                                 |
| Jacket cable outside diameter [mm] | 5.30 - 6.20 mm                               |

## Drawings



## Dimensions

|     | A    | L    | M    | S1   | S2   |
|-----|------|------|------|------|------|
| mm. | 12   | 43   | 32   | 10   | 9    |
| in. | 0.47 | 1.69 | 1.26 | 0.39 | 0.35 |

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# Recommended By Lemo

## Accessories

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|                |                                 |
|----------------|---------------------------------|
| Compatible cap | <a href="#">BFG.1B.100.PCZG</a> |
|----------------|---------------------------------|

## Tools

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|         |                               |
|---------|-------------------------------|
| Spanner | <a href="#">DCP.91.001.TN</a> |
|---------|-------------------------------|

|                |                                  |
|----------------|----------------------------------|
| Spanner wrench | <a href="#">DCD.1B.ZZZ.PA090</a> |
|----------------|----------------------------------|

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