

Standard



Image for illustrative purpose only

## Summary

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BKT series

|                                |                  |
|--------------------------------|------------------|
| Number of contacts Low Voltage | 5                |
| Wire Size/AWG                  | 36 - 28          |
| Gender                         | Standard         |
| Plug                           | Plug - Fixed     |
| Locking system                 | Push-pull        |
| Panel Drill Hole               | M7               |
| Size                           | 00               |
| Series                         | B - Indoor keyed |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fag-00-305-cla.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fag-00-305-cla.html)

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# Technical details

## Electrical Configuration

|                                 |                               |
|---------------------------------|-------------------------------|
| Number of contacts Low Voltage  | 5                             |
| Contact Termination Low voltage | Solder                        |
| R (max)                         | 8.7 mOhm                      |
| Insert configuration value      | 0.305 - 5 Low Voltage         |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5)     |
| Rated current                   | 1.7 A                         |
| Vtest (contact-contact)         | 1.1 kV (DC)                   |
| Vtest (contact-shell)           | 1.4 kV (DC)                   |
| Max. Solid Conductor            | 0.09 mm <sup>2</sup> (AWG 28) |
| Max. Stranded Conductor         | 0.05 mm <sup>2</sup> (AWG 30) |
| Bucket Dia.                     | 0.4 mm (0.016in)              |
| Contact Dia.                    | 0.35 mm (0.01in)              |
| Wire Size/AWG                   | 36 - 28                       |
| Gender                          | Standard                      |

## Form & Material

|                        |   |
|------------------------|---|
| Shell style / Model id | FA - Fixed plug, non-latching, nut fixing   |
| Plug                   | Fixed   |
| 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                 | 3.02 g  |
| Panel Drill Hole       | M7  |

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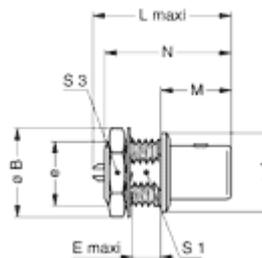
## Environment

|                                   |   |
|-----------------------------------|---|
| Environmental sealing (IP rating) | IP50  |
| 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                                 |

## Drawings



## Dimensions

|     | <b>S3</b> | <b>A</b> | <b>B</b> | <b>e</b> | <b>E</b> | <b>L</b> | <b>M</b> | <b>N</b> | <b>S1</b> |
|-----|-----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| mm. | 9         | 8        | 10.3     | M7x0.5   | 2.9      | 18.1     | 9        | 15.0     | 6.3       |
| in. | 0.35      | 0.31     | 0.41     |          | 0.11     | 0.71     | 0.35     | 0.59     | 0.25      |

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# Recommended By Lemo

## Tools

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Spanner

[DCA.91.149.0TN](#)

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