

Standard



*Image for illustrative purpose only*

## Summary

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### BKT series

|                                |                                    |
|--------------------------------|------------------------------------|
| Number of contacts Low Voltage | 3                                  |
| Wire Size/AWG                  | 22 - 14                            |
| Gender                         | Standard                           |
| Plug                           | Plug - Fixed                       |
| Locking system                 | Snap-on                            |
| Panel Drill Hole               | M18                                |
| Size                           | 3B                                 |
| Suggested matching part        | <a href="#">PHG.3B.303.CLLD10Z</a> |
| Series                         | B - Indoor keyed                   |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fag-3b-303-cla.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fag-3b-303-cla.html)

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# Technical details

## Electrical Configuration

|                                 |                              |
|---------------------------------|------------------------------|
| Number of contacts Low Voltage  | 3                            |
| Contact Termination Low voltage | Solder                       |
| R (max)                         | 3.3 mOhm                     |
| Insert configuration value      | 3B.303 - 3 Low Voltage       |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5)    |
| Rated current                   | 25 A                         |
| Vtest (contact-contact)         | 2.7 kV (DC)                  |
| Vtest (contact-shell)           | 2.1 kV (DC)                  |
| Max. Solid Conductor            | 1.5 mm <sup>2</sup> (AWG 14) |
| Max. Stranded Conductor         | 1.5 mm <sup>2</sup> (AWG 16) |
| Bucket Dia.                     | 1.8 mm (0.071in)             |
| Contact Dia.                    | 2 mm (0.079in)               |
| Wire Size/AWG                   | 22 - 14                      |
| 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         | Snap-on   |
| Keying                 | G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)  |
| Colour                 | Grey  |
| Weight                 | 34.45 g   |
| Panel Drill Hole       | M18   |

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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   |

## Drawings



## Dimensions

|     | <b>A</b> | <b>B</b> | <b>e</b> | <b>E</b> | <b>L</b> | <b>M</b> | <b>N</b> | <b>S1</b> | <b>S3</b> |
|-----|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|
| mm. | 22       | 25.2     | M18x1.0  | 5.8      | 32.1     | 17       | 30.2     | 16.5      | 22        |
| in. | 0.87     | 0.99     |          | 0.23     | 1.26     | 0.67     | 1.19     | 0.65      | 0.87      |

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# Recommended By Lemo

## Tools

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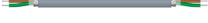














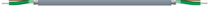
Spanner

DCA.91.282.2TN

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# Cables

| Cable PartNumber   | Material      | Colour | Cable image  |
|--------------------|---------------|--------|--|
| CMN.03.T14.078PGCE |               |        |     |
| CMN.03.T18.055PGZE |               | grey   |     |
| CMN.03.T18.055PNZE |               |        |     |
| CMN.03.T18.055QGZE | TPR (medical) | Grey   |     |
| CMN.03.T20.049PGZE |               | grey   |     |
| CMN.03.T20.049PNZE |               |        |     |
| CMN.03.T28.031PGCE | PVC           | GREY   |     |
| CMN.03.T28.031PGZE |               | grey   |     |
| CMN.03.T28.031PNCE | PVC           | Black  |     |
| CMN.03.T28.031PNZE |               |        |     |
| 130240             | PVC           | Black  |     |
| 130250             | PVC           | Grey   |     |
| 230500             | PVC           | Grey   |    |
| 230750             | PVC           | Grey   |   |
| 30110              | PVC           | Grey   |   |
| 30141              | PVC           | Grey   |   |
| 30260              | PVC           | Black  |   |
| 3041               | PVC           | Grey   |  |
| 3050               | PVC           | Black  |   |
| 3081               | PVC           | Black  |  |
| 3220               | PVC           | Black  |   |
| 3280               | PVC           | Black  |   |
| 330150             | PVC           | Grey   |   |
| 60080              | PVC           | Grey   |  |

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