

Standard



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# Summary

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[BKT series](#)

[Customer Drawing](#)

|                                |                                   |
|--------------------------------|-----------------------------------|
| Number of contacts Low Voltage | 2                                 |
| Gender                         | Standard                          |
| Socket / Receptacle            | Socket / Receptacle - Free        |
| Locking system                 | Push-pull                         |
| Size                           | 0B                                |
| Suggested matching part        | <a href="#">FGG.0B.302.CLAD42</a> |
| Series                         | B - Indoor keyed                  |

# Technical details

## Electrical Configuration

|                                           |                                              |
|-------------------------------------------|----------------------------------------------|
| Number of contacts Low Voltage            | 2                                            |
| Contact Termination Low voltage           | PCB - Straight                               |
| R (max)                                   | 4.8 mOhm                                     |
| Insert configuration value                | 0B.302 - 2 Low Voltage                       |
| Footprint IPC Class3 compatibility        | Yes                                          |
| Class3 Productibility Level Compatibility | A (General Design Producibility - Preferred) |
| Insulator                                 | L: PEEK (UL 94 / V-0/1.5)                    |
| Rated current                             | 10 A                                         |
| Test voltage contact-contact              | 1.9 kV DC                                    |
| Test voltage contact-shell                | 1.5 kV DC                                    |
| Contact Dia.                              | 0.9 mm (0.035in)                             |
| Gender                                    | Standard                                     |

## Form & Material

|                        |                                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell style / Model id | EZ - Straight receptacle for printed circuit                                                                                  |
| Socket / Receptacle    | Free                                                                                                                          |
| 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                 | 6.28 g                                                                                                                        |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/ezg-0b-302-cln.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/ezg-0b-302-cln.html)

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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                                                                                                                                   |

## Recommended By Lemo

### Caps

|                |                                 |
|----------------|---------------------------------|
| Compatible cap | <a href="#">BRE.OS.200.NAS</a>  |
| Cap 2          | <a href="#">BRE.OS.200.NPSN</a> |
| Plastic Cap    | <a href="#">BRA.OB.200.PCSG</a> |
| Soft Cap       | <a href="#">BEZ.OB.200.SCN</a>  |

## CAD

### Documents

|           |                          |
|-----------|--------------------------|
| PCB Eagle | <a href="#">Download</a> |
|-----------|--------------------------|

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/ezg-0b-302-cln.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/ezg-0b-302-cln.html)

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