

Standard



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# Summary

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[BKT series](#)

[Customer Drawing](#)

|                                |                                                |
|--------------------------------|------------------------------------------------|
| Number of contacts Low Voltage | 5                                              |
| Gender                         | Standard                                       |
| Socket / Receptacle            | Socket / Receptacle - Fixed Panel Rear Mounted |
| Locking system                 | Push-pull                                      |
| Size                           | 0B                                             |
| Suggested matching part        | <a href="#">FGG.0B.305.CLAD52Z</a>             |
| Series                         | B - Indoor keyed                               |

# Technical details

## Electrical Configuration

|                                           |                                              |
|-------------------------------------------|----------------------------------------------|
| Number of contacts Low Voltage            | 5                                            |
| Contact Termination Low voltage           | PCB - Straight                               |
| R (max)                                   | 6.1 mOhm                                     |
| Insert configuration value                | 0B.305 - 5 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                             | 5 A                                          |
| Vtest (contact-contact)                   | 1.4 kV (DC)                                  |
| Vtest (contact-shell)                     | 1 kV (DC)                                    |
| Contact Dia.                              | 0.7 mm (0.028in)                             |
| Gender                                    | Standard                                     |

## Form & Material

|                        |                                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell style / Model id | EE - Fixed receptacle, nut fixing with straight contacts for printed circuit(back panel mounting)                             |
| Socket / Receptacle    | Fixed Panel Rear Mounted                                                                                                      |
| 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                 | 5.08 g                                                                                                                        |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/eeg-0b-305-cln.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/eeg-0b-305-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                                                                                                                                   |
| <b>Cable fixation</b>             |                                                                                                                                            |
| Panel Drill Hole                  | M9                                                                                                                                         |

# Recommended By Lemo

## Accessories

|                |                                |
|----------------|--------------------------------|
| Compatible cap | <a href="#">BRE.0S.200.NAS</a> |
|----------------|--------------------------------|

## Tools

|                |                                                       |
|----------------|-------------------------------------------------------|
| Spanner 2      | <a href="#">DCM.65.106.AZ4</a>                        |
| Spanner wrench | <a href="#">Socket for torque wrench DCM.0S.M09.4</a> |

# CAD

## Documents

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

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/eeg-0b-305-cln.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/eeg-0b-305-cln.html)

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