

[Standard](#)

*Image for illustrative purpose only*

## Summary

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### BKT series

|                                |                                                |
|--------------------------------|------------------------------------------------|
| Number of contacts Low Voltage | 6                                              |
| Gender                         | Standard                                       |
| Socket / Receptacle            | Socket / Receptacle - Fixed Panel Rear Mounted |
| Locking system                 | Push-pull                                      |
| Panel Drill Hole               | M15                                            |
| Size                           | 2B                                             |
| Suggested matching part        | <a href="#">FGG.2B.306.CLAD62Z</a>             |
| Series                         | B - Indoor keyed                               |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/eeg-2b-306-cln.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/eeg-2b-306-cln.html)

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# Technical details

## Electrical Configuration

|                                           |                                              |
|-------------------------------------------|----------------------------------------------|
| Number of contacts Low Voltage            | 6                                            |
| Contact Termination Low voltage           | PCB - Straight                               |
| R (max) - electrical contact resistance   | 3.6 mOhm                                     |
| Insert configuration value                | 2B.306 - 6 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                             | 12 A                                         |
| Test voltage contact-contact              | 2 kV DC                                      |
| Test voltage contact-shell                | 2 kV DC                                      |
| Contact Dia.                              | 1.3 mm (0.051 in)                            |
| 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                 | 16.52 g                                                                                                                       |
| Panel Drill Hole       | M15                                                                                                                           |

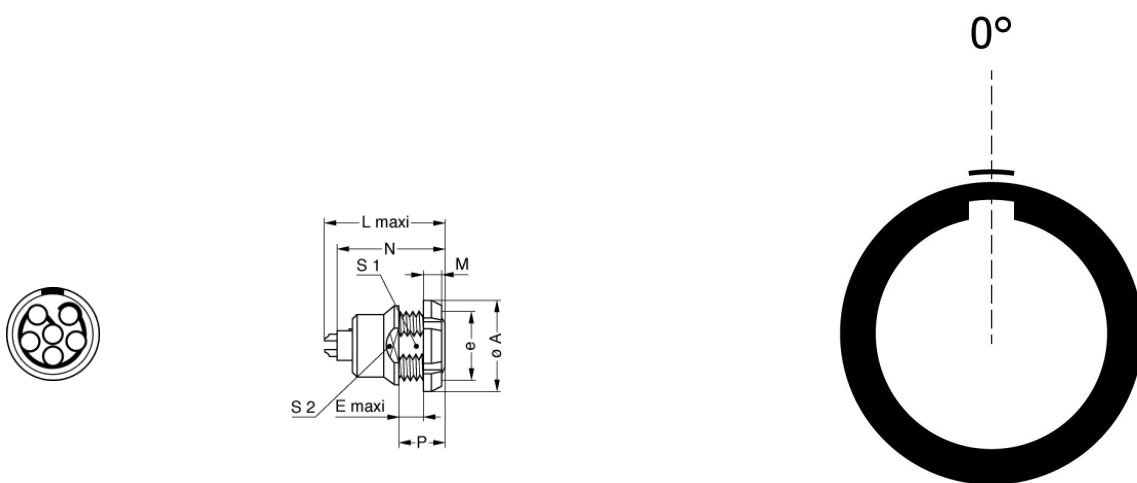
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## Environment

|                                   |                                                                                                                                            |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 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>B</b> | <b>e</b> | <b>E</b> | <b>L</b> | <b>M</b> | <b>N</b> | <b>P</b> | <b>S1</b> | <b>S2</b> | <b>A</b> |
|-----|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|----------|
| mm. | 20       | M15x1.0  | 4.3      | 26.7     | 3.5      | 24.6     | 9        | 13.5      | 15        | 20       |
| in. | 0.79     |          | 0.17     | 1.05     | 0.14     | 0.97     | 0.35     | 0.53      | 0.59      | 0.79     |

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# Recommended By Lemo

| Caps           |                                                                         |
|----------------|-------------------------------------------------------------------------|
| Compatible cap | <a href="#">BRE.2S.200.NAS</a>                                          |
| Cap 2          | <a href="#">BRE.2S.200.NAV</a>                                          |
| Plastic Cap    | <a href="#">BRA.2B.200.PCSG</a>                                         |
| Soft Cap       | <a href="#">BEZ.2B.200.SCN</a>                                          |
| Tools          |                                                                         |
| Spanner 2      | <a href="#">DCM.65.176.AZ6</a>                                          |
| Spanner wrench | <a href="#">Socket for torque wrench DCM.65.170.AZ and DCM.2S.M15.6</a> |