

Standard



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# Summary

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[BKT series](#)

[Customer Drawing](#)

|                                    |                                                 |
|------------------------------------|-------------------------------------------------|
| Number of contacts Low Voltage     | 7                                               |
| Wire Size/AWG                      | 34 - 28                                         |
| Gender                             | Standard                                        |
| Socket / Receptacle                | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system                     | Push-pull                                       |
| Panel Drill Hole                   | M9                                              |
| Jacket cable outside diameter [mm] | 1.00 - 8.30 mm                                  |
| Size                               | 0B                                              |

|        |                  |
|--------|------------------|
| Series | B - Indoor keyed |
|--------|------------------|

## Technical details

### Electrical Configuration

|                                         |                               |
|-----------------------------------------|-------------------------------|
| Number of contacts Low Voltage          | 7                             |
| Contact Termination Low voltage         | Solder                        |
| R (max) - electrical contact resistance | 8.7 mOhm                      |
| Insert configuration value              | 0B.307 - 7 Low Voltage        |
| Insulator                               | L: PEEK (UL 94 / V-0/1.5)     |
| Rated current                           | 3 A                           |
| Test voltage contact-contact            | 1.1 kV DC                     |
| Test voltage contact-shell              | 1 kV DC                       |
| Max. Solid Conductor                    | 0.09 mm <sup>2</sup> (AWG 28) |
| Max. Stranded Conductor                 | 0.09 mm <sup>2</sup> (AWG 28) |
| Bucket Dia.                             | 0.45 mm (0.018 in)            |
| Contact Dia.                            | 0.5 mm (0.0197 in)            |
| Wire Size/AWG                           | 34 - 28                       |
| Gender                                  | Standard                      |

### Form & Material

|                        |                                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell style / Model id | EG - Fixed receptacle, nut fixing                                                                                             |
| Socket / Receptacle    | Fixed Panel Front 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                 | 4.31 g                                                                                                                        |
| Panel Drill Hole       | M9                                                                                                                            |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/egg-0b-307-cll.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/egg-0b-307-cll.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>              |                                                                                                                                            |
| Jacket cable outside diameter [mm] | 1.00 - 8.30 mm                                                                                                                             |

## 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> |
| Cap BRR        | <a href="#">BRR.OB.200.BSG</a>  |
| Soft Cap       | <a href="#">BEZ.OB.200.SCN</a>  |

### Tools

|         |                                |
|---------|--------------------------------|
| Spanner | <a href="#">DCA.91.161.1TN</a> |
|---------|--------------------------------|

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# Cables

| Cable PartNumber   | Material | Colour | Cable image                                                                         |
|--------------------|----------|--------|-------------------------------------------------------------------------------------|
| CMN.07.T28.044PGZE |          | grey   |  |
| CMN.07.T28.044PNZE |          |        |  |
| 7041               | PVC      | Grey   |  |
| 7050               | PVC      | Black  |  |
| 717920             | PVC      | Grey   |  |
| CTR.75.030.121875G | PVC      | Grey   |  |

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