

Standard



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# Summary

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## BKT series

|                                    |                  |
|------------------------------------|------------------|
| Number of contacts Low Voltage     | 9                |
| Wire Size/AWG                      | 34 - 28          |
| Gender                             | Reverse Gender   |
| Plug                               | Plug - Elbow     |
| Locking system                     | Push-pull        |
| Jacket cable outside diameter [mm] | 3.30 - 4.20 mm   |
| Size                               | 0B               |
| Series                             | B - Indoor keyed |

# Technical details

## Electrical Configuration

|                                         |                               |
|-----------------------------------------|-------------------------------|
| Number of contacts Low Voltage          | 9                             |
| Contact Termination Low voltage         | Solder                        |
| R (max) - electrical contact resistance | 8.7 mOhm                      |
| Insert configuration value              | 0B.309 - 9 Low Voltage        |
| Insulator                               | L: PEEK (UL 94 / V-0/1.5)     |
| Rated current                           | 2.5 A                         |
| Test voltage contact-contact            | 1.1 kV DC                     |
| Test voltage contact-shell              | 1.6 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                                  | Reverse Gender                |

## Form & Material

|                        |                                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell style / Model id | FS - Adjustable right angle Anglissimo plug (8 selective positions) with cable collet                                         |
| Plug                   | Elbow                                                                                                                         |
| 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                 | 2 keys (gamma=45, plug: female contacts, receptacle: male contacts)                                                           |
| Colour                 | Grey                                                                                                                          |
| Weight                 | 11.24 g                                                                                                                       |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fsj-0b-309-clld42.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fsj-0b-309-clld42.html)

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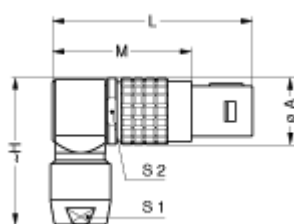
## Environment

|                                   |                                                                                                                                            |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                                   |
| Note                              | Cable diameter is specific for Anglissimo to enable easy termination of connector                                                          |

## Cable fixation

|                                    |                                              |
|------------------------------------|----------------------------------------------|
| Cable termination protection       | Standard back nut (no additional protection) |
| Fixation type                      | Cable collet                                 |
| Jacket cable outside diameter [mm] | 3.30 - 4.20 mm                               |

# Drawings



## Dimensions

|     | A    | H    | L    | M    | S1   | S2   |
|-----|------|------|------|------|------|------|
| mm. | 10   | 22.4 | 30.3 | 20.2 | 7    | 9    |
| in. | 0.39 | 0.88 | 1.19 | 0.8  | 0.28 | 0.35 |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fsj-0b-309-clld42.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fsj-0b-309-clld42.html)

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# Recommended By Lemo

|                |                                  |
|----------------|----------------------------------|
| <b>Caps</b>    |                                  |
| Soft Cap       | <a href="#">BFZ.0B.100.SCN</a>   |
| <b>Tools</b>   |                                  |
| Spanner        | <a href="#">DCP.91.001.TN</a>    |
| Spanner 2      | <a href="#">DCP.91.FSG.TN</a>    |
| Spanner wrench | <a href="#">DCD.0B.ZZZ.PA070</a> |