

Special

*Image for illustrative purpose only*

## Summary

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### BKT series

|                                    |                                |
|------------------------------------|--------------------------------|
| Number of contacts Low Voltage     | 6                              |
| Wire Size/AWG                      | 16 - 12                        |
| Gender                             | Standard                       |
| Plug                               | Plug - Straight                |
| Locking system                     | Push-pull                      |
| Jacket cable outside diameter [mm] | 9.10 - 10.50 mm                |
| Size                               | 4B                             |
| Suggested matching part            | <a href="#">EGA.4B.306.CLL</a> |
| Series                             | B - Indoor keyed               |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fna-4b-306-cycd10z.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fna-4b-306-cycd10z.html)

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# Technical details

## Electrical Configuration

|                                    |                              |
|------------------------------------|------------------------------|
| Number of contacts Low Voltage     | 6                            |
| Contact Termination Low voltage    | Crimp                        |
| R (max)                            | 3.3 mOhm                     |
| Insert configuration value         | 4B.306 - 6 Low Voltage       |
| Footprint IPC Class3 compatibility | No                           |
| Insulator                          | Y: PEEK for crimp contacts   |
| Rated current                      | 24 A                         |
| Vtest (contact-contact)            | 3.9 kV (DC)                  |
| Vtest (contact-shell)              | 3.4 kV (DC)                  |
| Contact retention                  | 65 N                         |
| Max. Conductor                     | 2.5 mm <sup>2</sup> (AWG 12) |
| Min. Conductor                     | 1.5 mm <sup>2</sup> (AWG 16) |
| Bucket Dia.                        | 2.4 mm (0.094in)             |
| Contact Dia.                       | 2 mm (0.079in)               |
| Wire Size/AWG                      | 16 - 12                      |
| Gender                             | Standard                     |

## Form & Material

|                        |                                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell style / Model id | FN - Straight plug, cable collet and lanyard release                                                                          |
| Plug                   | Straight                                                                                                                      |
| 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                 | A: 2 keys (alpha=30, plug: male contacts, receptacle: female contacts)                                                        |
| Colour                 | Grey                                                                                                                          |
| Variant                | Nut for fitting a bend relief                                                                                                 |
| Weight                 | 119.06 g                                                                                                                      |

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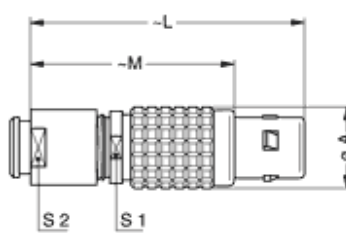
## Environment

|                                   |                                                                                                                                            |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                                   |

## Cable fixation

|                                    |                       |
|------------------------------------|-----------------------|
| Cable termination protection       | For cable bend relief |
| Fixation type                      | Cable collet          |
| Jacket cable outside diameter [mm] | 9.10 - 10.50 mm       |

## Drawings



## Dimensions

|     | N    | S1   | S2   | M    | L    | B    | A    |
|-----|------|------|------|------|------|------|------|
| mm. | 230  | 21   | 20   | 57   | 75   | 35.2 | 25   |
| in. | 9.06 | 0.83 | 0.79 | 2.24 | 2.95 | 1.39 | 0.98 |

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# Recommended By Lemo

| Accessories         |                                 |
|---------------------|---------------------------------|
| Replacement contact | <a href="#">FGG.4B.575.ZZC</a>  |
| Tools               |                                 |
| Positionner         | <a href="#">DCE.91.204.BVCM</a> |
| Extraction tool     | <a href="#">DCC.20.25B.LAG</a>  |
| Crimp tool          | <a href="#">DPC.91.101.A</a>    |

## Cables

| Cable PartNumber | Material | Colour | Cable image                                                                         |
|------------------|----------|--------|-------------------------------------------------------------------------------------|
| 460150           | PVC      | Grey   |  |