

Special



*Image for illustrative purpose only*

## Summary

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[BKT series](#)

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[Customer Drawing](#)

|                                    |                                |
|------------------------------------|--------------------------------|
| Number of contacts Low Voltage     | 30                             |
| Wire Size/AWG                      | 24 - 20                        |
| 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="#">EGG.4B.330.CLL</a> |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-4b-330-cycd10z.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-4b-330-cycd10z.html)

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# Technical details

## Electrical Configuration

|                                    |                               |
|------------------------------------|-------------------------------|
| Number of contacts Low Voltage     | 30                            |
| Contact Termination Low voltage    | Crimp                         |
| R (max)                            | 4.8 mOhm                      |
| Insert configuration value         | 4B.330 - 30 Low Voltage       |
| Footprint IPC Class3 compatibility | No                            |
| Insulator                          | Y: PEEK for crimp contacts    |
| Rated current                      | 5 A                           |
| Vtest (contact-contact)            | 2.5 kV (DC)                   |
| Vtest (contact-shell)              | 2 kV (DC)                     |
| Contact retention                  | 30 N                          |
| Max. Conductor                     | 0.5 mm <sup>2</sup> (AWG 20)  |
| Min. Conductor                     | 0.25 mm <sup>2</sup> (AWG 24) |
| Bucket Dia.                        | 1.1 mm (0.043in)              |
| Contact Dia.                       | 0.9 mm (0.035in)              |
| Wire Size/AWG                      | 24 - 20                       |
| Gender                             | Standard                      |

## Form & Material

|                        |                                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell style / Model id | FG - Straight plug, cable collet and nut for fitting a bend relief                                                            |
| 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                 | G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)                                                          |
| Colour                 | Grey                                                                                                                          |
| Variant                | Nut for fitting a bend relief                                                                                                 |
| Weight                 | 121.33 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       |

# Recommended By Lemo

## Accessories

|                     |                                |
|---------------------|--------------------------------|
| Replacement contact | <a href="#">FGG.4B.560.ZZC</a> |
| Compatible cap      | <a href="#">BFG.4B.100.NAS</a> |

## Tools

|                 |                                |
|-----------------|--------------------------------|
| Spanner         | <a href="#">DCP.91.045.TN</a>  |
| Positionner     | <a href="#">DCE.91.094.BVC</a> |
| Extraction tool | <a href="#">DCC.09.05B.LAG</a> |
| Crimp tool      | <a href="#">DPC.91.701.V</a>   |

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# Cables

| Cable PartNumber | Material | Colour | Cable image                                                                         |
|------------------|----------|--------|-------------------------------------------------------------------------------------|
| 330240           | PVC      | Black  |  |