

Special



*Image for illustrative purpose only*

## Summary

[Request a quote](#)

---

BKT series

---

[Customer Drawing](#)

|                                    |  |
|------------------------------------|--|
| Number of contacts Low Voltage     | 10   |
| Wire Size/AWG                      | 22 - 18  |
| Gender                             | Standard   |
| Plug                               | Plug - Straight  |
| Locking system                     | Push-pull  |
| Jacket cable outside diameter [mm] | 7.80 - 9.20 mm   |
| Size                               | 4B   |
| Suggested matching part            | <a href="#">EGG.4B.310.CLL</a><br><a href="#">EGG.4B.310.CYP</a> |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-4b-310-cybm82.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-4b-310-cybm82.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-4b-310-cymb82.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-4b-310-cymb82.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

# Technical details

## Electrical Configuration

|                                    |                               |
|------------------------------------|-------------------------------|
| Number of contacts Low Voltage     | 10                            |
| Contact Termination Low voltage    | Crimp                         |
| R (max)                            | 3.5 mOhm                      |
| Insert configuration value         | 4B.310 - 10 Low Voltage       |
| Footprint IPC Class3 compatibility | No                            |
| Insulator                          | Y: PEEK for crimp contacts    |
| Rated current                      | 17 A                          |
| Vtest (contact-contact)            | 2.7 kV (DC)                   |
| Vtest (contact-shell)              | 2.8 kV (DC)                   |
| Contact retention                  | 50 N                          |
| Max. Conductor                     | 1 mm <sup>2</sup> (AWG 18)    |
| Min. Conductor                     | 0.34 mm <sup>2</sup> (AWG 22) |
| Bucket Dia.                        | 1.4 mm (0.055in)              |
| Contact Dia.                       | 1.6 mm (0.063in)              |
| Wire Size/AWG                      | 22 - 18                       |
| Gender                             | Standard                      |

## Form & Material

|                        |   |
|------------------------|---|
| Shell style / Model id | FG - Straight plug, cable collet  |
| 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  |
| Weight                 | 133.3 g   |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-4b-310-cybm82.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-4b-310-cybm82.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

## 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       | Standard back nut (no additional protection) |
| Fixation type                      | Cable collet                                 |
| Jacket cable outside diameter [mm] | 7.80 - 9.20 mm                               |

## Recommended By Lemo

### Accessories

---

|                     |                                |
|---------------------|--------------------------------|
| Replacement contact | <a href="#">FGG.4B.571.ZZC</a> |
| Compatible cap      | <a href="#">BFG.4B.100.NAS</a> |

### Tools

---

|                 |                                 |
|-----------------|---------------------------------|
| Positionner     | <a href="#">DCE.91.164.BVCM</a> |
| Extraction tool | <a href="#">DCC.16.25B.LAG</a>  |
| Crimp tool      | <a href="#">DPC.91.101.A</a>    |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-4b-310-cybm82.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-4b-310-cybm82.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

# Cables

| Cable PartNumber   | Material | Colour | Cable image   |
|--------------------|----------|--------|---|
| CMN.10.T20.080PGZE |          | grey   |  |
| CMN.10.T20.080PNZE |          |        |  |
| CMN.10.T20.080QGC  | TPR      | Grey   |   |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-4b-310-cyb-m82.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-4b-310-cyb-m82.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.