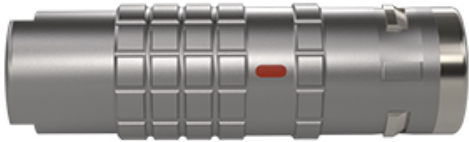


Standard



*Image for illustrative purpose only*

## Summary

[Request a quote](#)

[BKT series](#)

[Customer Drawing](#)

|                                    |                                                                     |
|------------------------------------|---------------------------------------------------------------------|
| Number of contacts Low Voltage     | 3                                                                   |
| Wire Size/AWG                      | 22 - 14                                                             |
| Gender                             | Standard                                                            |
| Plug                               | Plug - Straight                                                     |
| Locking system                     | Push-pull                                                           |
| Jacket cable outside diameter [mm] | 10.10 - 10.50 mm                                                    |
| Size                               | 3K                                                                  |
| Suggested matching part            | <a href="#">EGG.3K.303.CLL</a><br><a href="#">PHG.3K.303.CLLC11</a> |
| Series                             | K - Outdoor keyed                                                   |

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-3k-303-clac11.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-3k-303-clac11.html)

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# Technical details

## Electrical Configuration

|                                    |                              |
|------------------------------------|------------------------------|
| Number of contacts Low Voltage     | 3                            |
| Contact Termination Low voltage    | Solder                       |
| R (max)                            | 3.3 mOhm                     |
| Insert configuration value         | 3K.303 - 3 Low Voltage       |
| Footprint IPC Class3 compatibility | No                           |
| Insulator                          | L: PEEK (UL 94 / V-0/1.5)    |
| Rated current                      | 25 A                         |
| Vtest (contact-contact)            | 2.7 kV (DC)                  |
| Vtest (contact-shell)              | 2.1 kV (DC)                  |
| Max. Solid Conductor               | 1.5 mm <sup>2</sup> (AWG 14) |
| Max. Stranded Conductor            | 1.5 mm <sup>2</sup> (AWG 16) |
| Bucket Dia.                        | 1.8 mm (0.071in)             |
| Contact Dia.                       | 2 mm (0.079in)               |
| Wire Size/AWG                      | 22 - 14                      |
| Gender                             | Standard                     |

## Form & Material

|                        |                                                                                                                            |
|------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Shell style / Model id | FG - Straight plug, cable collet                                                                                           |
| Plug                   | Straight                                                                                                                   |
| Housing material       | Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces |
| Locking system         | Push-pull                                                                                                                  |
| Keying                 | G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)                                                       |
| Colour                 | Grey                                                                                                                       |
| Weight                 | 63.33 g                                                                                                                    |

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-3k-303-clac11.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-3k-303-clac11.html)

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## Environment

|                                   |                                                                   |
|-----------------------------------|-------------------------------------------------------------------|
| Technical domain                  | Audio Video, Energy and Industrial, Medical, Test and Measurement |
| Environmental sealing (IP rating) | IP68                                                              |
| Endurance                         | 5000 mating cycles                                                |
| Temperature range                 | -55°C / +200°C (max. temperature valid for short periods of use.) |
| Climatic Category                 | 50/175/21                                                         |
| Humidity (max)                    | <=95% [at 60 deg C /140 F]                                        |
| Shielding (min)                   | 95 dB (10 MHz)                                                    |
| Shielding (min)                   | 80 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] | 10.10 - 10.50 mm                             |

# Recommended By Lemo

## Accessories

|                |                                |
|----------------|--------------------------------|
| Compatible cap | <a href="#">BFG.3K.100.NAS</a> |
|----------------|--------------------------------|

# CAD

## Documents

|       |                          |
|-------|--------------------------|
| Eplan | <a href="#">Download</a> |
|-------|--------------------------|

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-3k-303-clac11.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-3k-303-clac11.html)

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