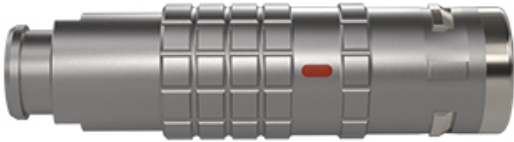


Standard



*Image for illustrative purpose only*

## Summary

[Request a quote](#)

[BKT series](#)

[Customer Drawing](#)

|                                    |                                                                      |
|------------------------------------|----------------------------------------------------------------------|
| Number of contacts Low Voltage     | 8                                                                    |
| Wire Size/AWG                      | 26 - 22                                                              |
| Gender                             | Standard                                                             |
| Plug                               | Plug - Straight                                                      |
| Locking system                     | Push-pull                                                            |
| Jacket cable outside diameter [mm] | 6.10 - 6.50 mm                                                       |
| Size                               | 1K                                                                   |
| Suggested matching part            | <a href="#">EGG.1K.308.CYM</a><br><a href="#">PHG.1K.308.CYMC65Z</a> |
| Series                             | K - Outdoor keyed                                                    |

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-1k-308-cycc65z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-1k-308-cycc65z.html)

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# Technical details

## Electrical Configuration

|                                    |                               |
|------------------------------------|-------------------------------|
| Number of contacts Low Voltage     | 8                             |
| Contact Termination Low voltage    | Crimp                         |
| R (max)                            | 6.1 mOhm                      |
| Insert configuration value         | 1K.308 - 8 Low Voltage        |
| Footprint IPC Class3 compatibility | No                            |
| Insulator                          | Y: PEEK for crimp contacts    |
| Rated current                      | 5 A                           |
| Vtest (contact-contact)            | 2 kV (DC)                     |
| Vtest (contact-shell)              | 1.9 kV (DC)                   |
| Contact retention                  | 22 N                          |
| Max. Conductor                     | 0.34 mm <sup>2</sup> (AWG 22) |
| Min. Conductor                     | 0.14 mm <sup>2</sup> (AWG 26) |
| Bucket Dia.                        | 0.8 mm (0.031in)              |
| Contact Dia.                       | 0.7 mm (0.028in)              |
| Wire Size/AWG                      | 26 - 22                       |
| 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, 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                 | 23.52 g                                                                                                                    |

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-1k-308-cycc65z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-1k-308-cycc65z.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       | For cable bend relief |
| Fixation type                      | Cable collet          |
| Jacket cable outside diameter [mm] | 6.10 - 6.50 mm        |

# Recommended By Lemo

## Accessories

|                     |                                |
|---------------------|--------------------------------|
| Replacement contact | <a href="#">FGG.1B.555.ZZC</a> |
| Compatible cap      | <a href="#">BFG.1K.100.NAS</a> |

## Tools

|                 |                                  |
|-----------------|----------------------------------|
| Positionner     | <a href="#">DCE.91.071.BVC</a>   |
| Extraction tool | <a href="#">DCC.07.04B.LAG</a>   |
| Crimp tool      | <a href="#">DPC.91.701.V</a>     |
| Spanner wrench  | <a href="#">DCD.1E.ZZZ.PA090</a> |

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-1k-308-cycc65z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-1k-308-cycc65z.html)

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## Documents

Eplan

Download

# Cables

| Cable PartNumber | Material | Colour | Cable image                                                                         |
|------------------|----------|--------|-------------------------------------------------------------------------------------|
| 180240           | PVC      | Black  |  |
| 280250           | PVC      | Grey   |  |
| 335990           | PVC      | Black  |  |
| 335991           | PVC      | Black  |  |