



## Summary

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|                                    |                                |
|------------------------------------|--------------------------------|
| Low Voltage                        | 7                              |
| Wire Size/AWG                      | 34 - 28                        |
| Gender                             | Standard                       |
| Plug                               | Plug - Straight                |
| Locking system                     | Push-pull                      |
| Jacket cable outside diameter [mm] | 4.60 - 5.00 mm                 |
| Size                               | 0K                             |
| Matching parts                     | <a href="#">EGG.0K.307.CLL</a> |
| Series                             | K - Outdoor keyed              |

## Technical details

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-0k-307-clac50.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-0k-307-clac50.html)

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## Electrical Configuration

|                                 |                               |
|---------------------------------|-------------------------------|
| Contact Termination Low voltage | Solder                        |
| R (max)                         | 8.7 mOhm                      |
| Insert configuration value      | 0K.307 - 7 Low Voltage        |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5)     |
| Rated current                   | 2.5 Amps                      |
| Vtest (contact-contact)         | 800 V (AC), 1130 V (DC)       |
| Vtest (contact-shell)           | 700 V (AC), 990 V (DC)        |
| Contact Type                    | Solder                        |
| Max. Solid Conductor            | 0.09 mm <sup>2</sup> (AWG 28) |
| Max. Stranded Conductor         | 0.09 mm <sup>2</sup> (AWG 28) |
| Bucket Dia.                     | 0.45 mm (0.018in)             |
| Contact Dia.                    | 0.5 mm (0.02in)               |
| Low Voltage                     | 7                             |
| Wire Size/AWG                   | 34 - 28                       |
| 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                 | 1 key (alpha=0, plug: male contacts, receptacle: female contacts)  |
| Weight                 | 11.86 g  |

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## Environment

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|                                      |   |
|--------------------------------------|---|
| Technical domain                     | Audio Video, Energy and Industrial, Medical, Test and Measurement |
| Environmental protection (IP rating) | IP68  |
| Minimal temperature                  | -55°C / +200°C  |
| Climatical 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

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|                                    |  |
|------------------------------------|--|
| Cable termination protection       | Standard back nut (no additional protection) |
| Fixation type                      | Cable collet                                 |
| Jacket cable outside diameter [mm] | 4.60 - 5.00 mm                               |

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