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Summary

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| | |
|--------------------------------|---------------------------------|
| Number of contacts Low Voltage | 6 |
| Nb of contacts Coax | 1 |
| Wire Size/AWG | 30 - 22 |
| Gender | Standard |
| Plug | Plug - Straight |
| Locking system | Push-pull |
| Size | 2K |
| Suggested matching part | EGG.2K.806.KLL3 |
| Series | K - Outdoor keyed |

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-2k-806-klac83z.html

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Technical details

Electrical Configuration

| | |
|---|------------------------------------|
| Number of contacts Low Voltage | 6 |
| Contact Termination Low voltage | Solder |
| Nb of contacts Coax | 1 |
| Contact Termination Coax - Conductor fixing | Solder |
| Contact Termination Coax - Screen fixing | Collet |
| R (max) | 3.8 mOhm |
| Insert configuration value | 2K.806 - 1 Coax (50 Ohm), 6 Low V. |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 7 A |
| OHM | 50 |
| Test voltage (kV DC) | 1.05 |
| Max. Solid Conductor | 0.5 mm ² (AWG 20) |
| Max. Stranded Conductor | 0.14 mm ² (AWG 26) |
| Contact Dia. | 0.7 mm (0.028in) |
| Wire Size/AWG | 30 - 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 (black chrome) 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 | Black |
| Weight | 67.32 g |

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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.) |
| 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

| | |
|------------------------------|-----------------------|
| Cable termination protection | For cable bend relief |
| Fixation type | Cable collet |

Recommended By Lemo

Accessories

| | |
|----------------|--------------------------------|
| Compatible cap | BFG.2K.100.KAS |
|----------------|--------------------------------|

Tools

| | |
|----------------|----------------------------------|
| Die Tool | DCP.99.050.TC |
| Spanner wrench | DCD.2E.ZZZ.PA120 |

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