



Summary

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| | |
|------------------------------------|--------------------------------|
| Number of contacts Low Voltage | 2 |
| Wire Size/AWG | 16 - 8 |
| Gender | Standard |
| Plug | Plug - Straight |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 12.60 - 13.50 mm |
| Size | 5K |
| Matching parts | EGG.5K.302.CLL |
| Series | K - Outdoor keyed |

Technical details

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-5k-302-clac13.html

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Electrical Configuration

| | |
|---------------------------------|----------------------------|
| Contact Termination Low voltage | Solder |
| R (max) | 1.2 mOhm |
| Insert configuration value | 5K.302 - 2 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 50 Amps |
| Vtest (contact-contact) | 3600 V (AC), 5090 V (DC) |
| Vtest (contact-shell) | 2950 V (AC), 4170 V (DC) |
| Contact Type | Solder |
| Max. Solid Conductor | 10 mm ² (AWG 8) |
| Max. Stranded Conductor | 10 mm ² (AWG 8) |
| Bucket Dia. | 5.2 mm (0.205in) |
| Contact Dia. | 6 mm (0.236in) |
| Number of contacts Low Voltage | 2 |
| Wire Size/AWG | 16 - 8 |
| 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 | 429.64 g |

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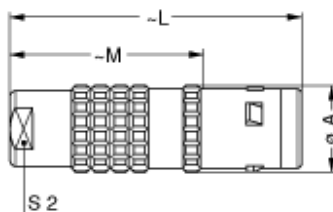
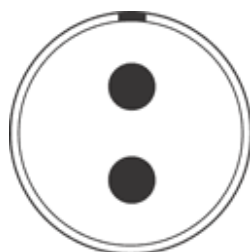
Environment

| | |
|--------------------------------------|---|
| 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

| | |
|------------------------------------|--|
| Cable termination protection | Standard back nut (no additional protection) |
| Fixation type | Cable collet |
| Jacket cable outside diameter [mm] | 12.60 - 13.50 mm |

Drawings



Dimensions

| | A | L | S2 | M |
|-----|----------|----------|-----------|----------|
| mm. | 38 | 92 | 30 | 67 |
| in. | 1.5 | 3.62 | 1.18 | 2.64 |

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