

Summary

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| | |
|------------------------------------|--------------------------------|
| Thermocouple | 2 |
| Wire Size/AWG | 28 - 20 |
| Gender | Standard |
| Plug | Plug - Straight |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 1.00 - 1.20 mm |
| Size | 0K |
| Matching parts | EGG.0K.302.CLJ |
| Series | K - Outdoor keyed |

Technical details

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-0k-302-cljc10z.html

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Electrical Configuration

| | |
|----------------------------------|----------------------------------|
| Thermocouple | 2 |
| Contact Termination Thermocouple | Solder |
| Insert configuration value | 0K.302/ThC - 1 Thermocouple Pair |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 10 Amps |
| ThC. Materials (P+/N-) | Iron (magnetic) / Constantan |
| Contact Dia. | 0.9 |
| Wire Size/AWG | 28 - 20 |
| 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 | 1 key (alpha=0, plug: male contacts, receptacle: female contacts) |
| Variant | Nut for fitting a bend relief |
| Weight | 14.62 g |

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 |
| 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 |

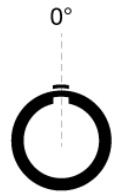
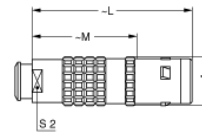
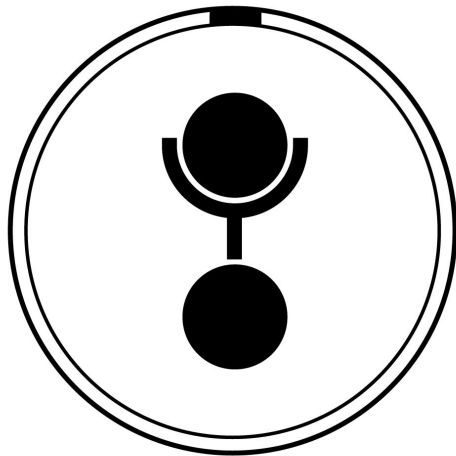
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Cable fixation

| | |
|------------------------------------|-----------------------|
| Cable termination protection | For cable bend relief |
| Fixation type | Cable collet |
| Jacket cable outside diameter [mm] | 1.00 - 1.20 mm |

Drawings



Contact 1: Iron (+)
Contact 2: Konstantan (-)

Dimensions

| | L | A | S2 | M |
|-----|----------|----------|-----------|----------|
| mm. | 34 | 11 | 7 | 23 |
| in. | 1.34 | 0.43 | 0.28 | 0.91 |

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