



Summary

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| | |
|------------------------------------|--------------------------------|
| Thermocouple | 2 |
| Wire Size/AWG | 22 - 14 |
| Gender | Standard |
| Plug | Plug - Straight |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 7.30 - 8.20 mm |
| Size | 2B |
| Matching parts | EGG.2B.302.CLK |
| Series | B - Indoor keyed |

Technical details

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-2b-302-clkd82.html

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Electrical Configuration

| | |
|----------------------------------|----------------------------------|
| Thermocouple | 2 |
| Contact Termination Thermocouple | Solder |
| Insert configuration value | 2B.302/ThC - 1 Thermocouple Pair |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 25 Amps |
| Contact Dia. | 2 mm (0.079" in) |
| Wire Size/AWG | 22 - 14 |
| Gender | Standard |

Form & Material

| | |
|------------------------|---|
| Shell style / Model id | FG - Straight plug, cable collet |
| Plug | Straight |
| Housing material | Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces |
| Locking system | Push-pull |
| Keying | 1 key (alpha=0, plug: male contacts, receptacle: female contacts) |
| Weight | 28.83 g |

Environment

| | |
|-----------------------------------|--|
| Technical domain | Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV |
| Environmental sealing (IP rating) | IP50 |
| Endurance | 5000 mating cycles |
| Temperature range | -55°C / +250°C |
| Climatical Category | 50/175/21 |
| Humidity (max) | <=95% [at 60 deg C /140 F] |
| Shielding (min) | 75 dB (10 MHz) |
| Shielding (min) | 40 dB (1 GHz) |
| Shock Resistance | 100 g [6 ms] |
| Vibration | 15 g [10 Hz - 2000 Hz] |
| Salt Spray Corrosion | >1000 hr |

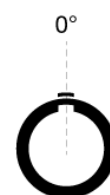
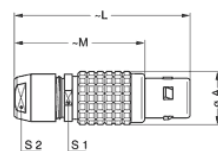
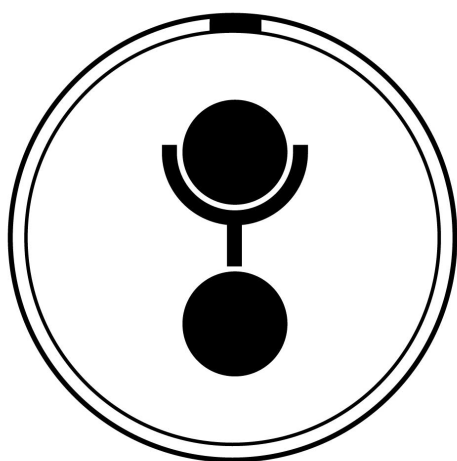
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Cable fixation

| | |
|------------------------------------|--|
| Cable termination protection | Standard back nut (no additional protection) |
| Fixation type | Cable collet |
| Jacket cable outside diameter [mm] | 7.30 - 8.20 mm |

Drawings



Contact 1: Chromel (+)
Contact 2: Alumel (-)

Dimensions

| | A | L | M | S1 | S2 |
|-----|----------|----------|----------|-----------|-----------|
| mm. | 15 | 50 | 38 | 13 | 12 |
| in. | 0.59 | 1.97 | 1.5 | 0.51 | 0.47 |

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