



Summary

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| | |
|------------------------------------|---|
| Number of contacts Low Voltage | 6 |
| Wire Size/AWG | 30 - 22 |
| Gender | Reverse Gender |
| Socket / Receptacle | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 1.00 - 14.60 mm |
| Size | 1K |
| Suggested matching part | FGL.1K.306.CLLC50 |
| Series | K - Outdoor keyed |

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/egl-1k-306-cla.html

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Technical details

Electrical Configuration

| | |
|---------------------------------|-------------------------------|
| Contact Termination Low voltage | Solder |
| R (max) | 6.1 mOhm |
| Insert configuration value | 1K.306 - 6 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 7 A |
| Vtest (contact-contact) | 1050 V (AC), 1490 V (DC) |
| Vtest (contact-shell) | 1200 V (AC), 1700 V (DC) |
| Contact Type | Solder |
| Max. Conductor | 0.34 mm ² (AWG 22) |
| Max. Stranded Conductor | 0.34 mm ² (AWG 22) |
| Bucket Dia. | 0.8 mm (0.031in) |
| Contact Dia. | 0.7 mm (0.028in) |
| Number of contacts Low Voltage | 6 |
| Wire Size/AWG | 30 - 22 |
| Gender | Reverse Gender |

Form & Material

| | |
|------------------------|--|
| Shell style / Model id | EG - Fixed receptacle, nut fixing |
| Socket / Receptacle | Fixed Panel Front Mounted |
| 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 | 2 keys (gamma=75, plug: female contacts, receptacle: male contacts) |
| Weight | 18.55 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 |
| 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

| | |
|------------------------------------|-----------------|
| Jacket cable outside diameter [mm] | 1.00 - 14.60 mm |
|------------------------------------|-----------------|

Recommended By Lemo

Accessories

Tools

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Cables

| Cable PartNumber | Material | Colour | Cable image |
|--------------------|---------------|--------|---|
| CMN.06.T26.037QGZE | TPR (medical) | Grey |  |
| CMN.06.T28.031PGCE | PVC | GREY |  |
| CMN.06.T28.031PGZE | | grey |  |
| CMN.06.T28.031PNCE | PVC | Black |  |
| CMN.06.T28.031PNZE | | |  |
| CMN.06.T28.042QBCE | TPR (medical) | | |
| CMN.06.T28.044PGZE | | grey |  |
| CMN.06.T28.044PNZE | | |  |
| 106220 | PVC | Black |  |
| 106240 | PTFE | White |  |
| 12080 | PVC | Grey | |
| 160140 | PVC | Grey |  |
| 160240 | PVC | Black |  |
| 160260 | PVC | Black |  |
| 260250 | PVC | Grey |  |
| 60260 | PTFE | White |  |
| 6280 | PVC | Black |  |

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