



Image for illustrative purpose only

Summary

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| | |
|------------------------------------|---|
| Number of contacts Low Voltage | 8 |
| Wire Size/AWG | 30 - 22 |
| Gender | Standard |
| 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 | FGB.1K.308.CLAC50 |
| Series | K - Outdoor keyed |

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/egb-1k-308-cll.html

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Technical details

Electrical Configuration

| | |
|---------------------------------|-------------------------------|
| Number of contacts Low Voltage | 8 |
| Contact Termination Low voltage | Solder |
| R (max) | 6.1 mOhm |
| Insert configuration value | 1K.308 - 8 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 5 A |
| Vtest (contact-contact) | 1.1 kV (DC) |
| Vtest (contact-shell) | 1 kV (DC) |
| Max. Solid 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) |
| Wire Size/AWG | 30 - 22 |
| Gender | Standard |

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 (alpha=45, plug: male contacts, receptacle: female contacts) |
| Colour | Grey |
| Weight | 19.12 g |

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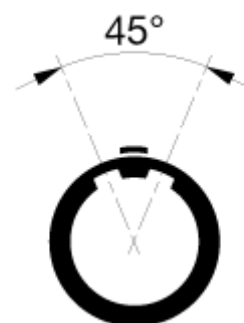
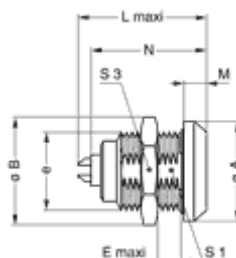
Environment

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

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

Drawings



Dimensions

| | e | E | L | M | N | S1 | S3 | A | B |
|-----|----------|----------|----------|----------|----------|-----------|-----------|----------|----------|
| mm. | M16x1.0 | 9 | 27 | 4.5 | 25.1 | 14.5 | 19 | 20 | 21.5 |
| in. | | 0.35 | 1.06 | 0.18 | 0.99 | 0.57 | 0.75 | 0.79 | 0.85 |

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Recommended By Lemo

Accessories

Compatible cap

[BRE.1K.200.NAS](#)

Cables

| Cable PartNumber | Material | Colour | Cable image |
|--------------------|---------------|--------|---|
| CMN.08.T22.059QGC | TPR | Grey | |
| CMN.08.T22.059QGZE | TPR (medical) | Grey |  |
| CMN.08.T26.042QGZE | TPR (medical) | Grey |  |
| 108220 | PVC | Black |  |
| 108240 | PTFE | White |  |
| 108260 | PTFE | White |  |
| 16080 | PVC | Grey | |
| 180240 | PVC | Black |  |
| 180260 | PVC | Black |  |
| 280250 | PVC | Grey |  |
| 335990 | PVC | Black |  |
| 335991 | PVC | Black |  |
| 42265 | PVC | Yellow | |
| 80140 | PVC | Grey |  |
| 8050 | PVC | Black |  |
| 8280 | PVC | Black |  |

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