



## Summary

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|                                |   |
|--------------------------------|---|
| Number of contacts Low Voltage | 8   |
| Gender                         | Standard  |
| Socket / Receptacle            | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system                 | Push-pull                                       |
| Size                           | 1K  |
| Suggested matching part        | <a href="#">FGG.1K.308.CLAC55</a>               |
| Series                         | K - Outdoor keyed                               |

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/hgg-1k-308-clnp.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/hgg-1k-308-clnp.html)

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# Technical details

## Electrical Configuration

|                                 |                           |
|---------------------------------|---------------------------|
| Contact Termination Low voltage | PCB - Straight            |
| 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)         | 950 V (AC), 1340 V (DC)   |
| Vtest (contact-shell)           | 1150 V (AC), 1630 V (DC)  |
| Contact Type                    | Print (straight)          |
| Contact Dia.                    | 0.7 mm (0.028in)          |
| Number of contacts Low Voltage  | 8                         |
| Gender                          | Standard                  |

## Form & Material

|                        |  |
|------------------------|--|
| Shell style / Model id | HG - Fixed receptacle, nut fixing, watertight or vacuum-tight  |
| 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                 | 1 key (alpha=0, plug: male contacts, receptacle: female contacts)  |
| Variant                | Watertight unmated (connector to device)   |
| Weight                 | 21.3 g   |

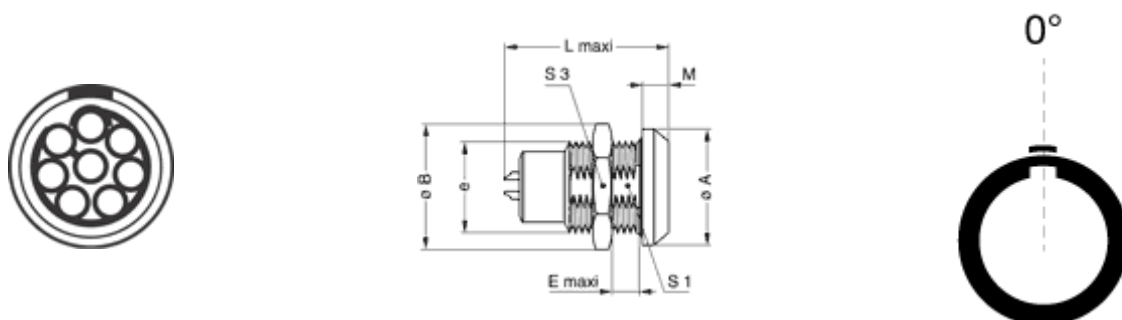
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## Environment

|                                   |   |
|-----------------------------------|---|
| Technical domain                  | Audio Video, Energy and Industrial, Medical, Test and Measurement |
| Environmental sealing (IP rating) | IP68  |
| Endurance                         | 5000 mating cycles  |
| Temperature range                 | -20°C / +100°C  |
| Climatical Category               | 20/80/21  |
| 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]  |
| Pressure                          | 60 bars   |
| Salt Spray Corrosion              | >1000 hr  |

## Drawings



## Dimensions

|     | <b>S3</b> | <b>A</b> | <b>B</b> | <b>e</b> | <b>E</b> | <b>L</b> | <b>M</b> | <b>S1</b> |
|-----|-----------|----------|----------|----------|----------|----------|----------|-----------|
| mm. | 19        | 20       | 21.5     | M16x1.0  | 9        | 30       | 4.5      | 14.5      |
| in. | 0.75      | 0.79     | 0.85     |          | 0.35     | 1.18     | 0.18     | 0.57      |

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