



## Summary

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|                                    |   |
|------------------------------------|---|
| Number of contacts Low Voltage     | 48  |
| Wire Size/AWG                      | 28 - 20   |
| Gender                             | Reverse Gender                                  |
| Socket / Receptacle                | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system                     | Push-pull                                       |
| Jacket cable outside diameter [mm] | 4.00 - 42.60 mm                                 |
| Size                               | 5K  |
| Suggested matching part            | <a href="#">FGL.5K.348.CLLC15</a>               |
| Series                             | K - Outdoor keyed                               |

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/egl-5k-348-cla.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/egl-5k-348-cla.html)

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# Technical details

## Electrical Configuration

|                                 |                              |
|---------------------------------|------------------------------|
| Contact Termination Low voltage | Solder                       |
| R (max)                         | 3.6 mOhm                     |
| Insert configuration value      | 5K.348 - 48 Low Voltage      |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5)    |
| Rated current                   | 6 A                          |
| Vtest (contact-contact)         | 1200 V (AC), 1700 V (DC)     |
| Vtest (contact-shell)           | 1100 V (AC), 1560 V (DC)     |
| Contact Type                    | Solder                       |
| Max. Solid Conductor            | 0.5 mm <sup>2</sup> (AWG 20) |
| Max. Stranded Conductor         | 0.5 mm <sup>2</sup> (AWG 20) |
| Bucket Dia.                     | 1 mm (0.039in)               |
| Contact Dia.                    | 1.3 mm (0.051in)             |
| Number of contacts Low Voltage  | 48                           |
| Wire Size/AWG                   | 28 - 20                      |
| 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                 | 273.37 g   |

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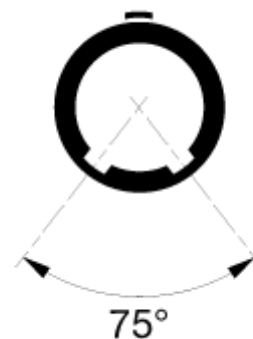
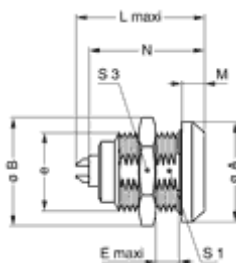
## Environment

|                                   |   |
|-----------------------------------|---|
| 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] | 4.00 - 42.60 mm |
|------------------------------------|-----------------|

## Drawings



## Dimensions

|     | <b>A</b> | <b>E</b> | <b>L</b> | <b>M</b> | <b>N</b> | <b>S1</b> | <b>e</b> | <b>B</b> |
|-----|----------|----------|----------|----------|----------|-----------|----------|----------|
| mm. | 55       | 10       | 47.5     | 9        | 43.6     | 42.5      | M45x1.5  | 54       |
| in. | 2.17     | 0.39     | 1.87     | 0.35     | 1.72     | 1.67      |          | 2.13     |

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# Recommended By Lemo



Accessories

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Tools

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## Cables

| Cable PartNumber | Material | Colour | Cable image   |
|------------------|----------|--------|---|
| 448240           | PVC      | Black  |  |
| 448260           | PVC      | Black  |  |

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