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## Summary

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|                                    |                                                 |
|------------------------------------|-------------------------------------------------|
| Number of contacts Low Voltage     | 6                                               |
| Wire Size/AWG                      | 22 - 14                                         |
| Gender                             | Reverse Gender                                  |
| Socket / Receptacle                | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system                     | Push-pull                                       |
| Jacket cable outside diameter [mm] | 4.00 - 28.60 mm                                 |
| Size                               | 4K                                              |
| Suggested matching part            | <a href="#">FGL.4K.306.CLLC15</a>               |
| Series                             | K - Outdoor keyed                               |

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/egl-4k-306-cla.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/egl-4k-306-cla.html)

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# Technical details

## Electrical Configuration

|                                 |                              |
|---------------------------------|------------------------------|
| Contact Termination Low voltage | Solder                       |
| R (max)                         | 3.3 mOhm                     |
| Insert configuration value      | 4K.306 - 6 Low Voltage       |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5)    |
| Rated current                   | 24 A                         |
| Vtest (contact-contact)         | 2000 V (AC), 2850 V (DC)     |
| Vtest (contact-shell)           | 1750 V (AC), 2500 V (DC)     |
| Contact Type                    | Solder                       |
| Max. Solid Conductor            | 1.5 mm <sup>2</sup> (AWG 14) |
| Max. Stranded Conductor         | 1.5 mm <sup>2</sup> (AWG 16) |
| Bucket Dia.                     | 1.8 mm (0.071in)             |
| Contact Dia.                    | 2 mm (0.079in)               |
| Number of contacts Low Voltage  | 6                            |
| Wire Size/AWG                   | 22 - 14                      |
| 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)                                                        |
| Colour                 | Grey                                                                                                                       |
| Weight                 | 106.3 g                                                                                                                    |

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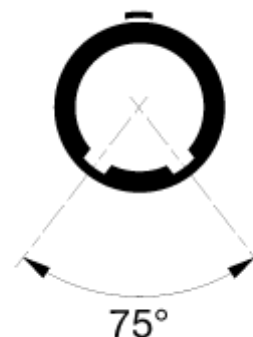
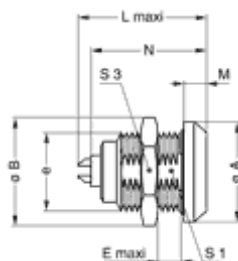
## Environment

|                                   |                                                                   |
|-----------------------------------|-------------------------------------------------------------------|
| Technical domain                  | Audio Video, Energy and Industrial, Medical, Test and Measurement |
| Environmental sealing (IP rating) | IP68                                                              |
| Endurance                         | 5000 mating cycles                                                |
| Temperature range                 | -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 - 28.60 mm |
|------------------------------------|-----------------|

## Drawings



## Dimensions

|     | <b>A</b> | <b>B</b> | <b>e</b> | <b>E</b> | <b>L</b> | <b>M</b> | <b>N</b> | <b>S3</b> | <b>S1</b> |
|-----|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|
| mm. | 37       | 41.5     | M30x1.0  | 9        | 40.2     | 6.5      | 38.6     | 36        | 28.5      |
| in. | 1.46     | 1.63     |          | 0.35     | 1.58     | 0.26     | 1.52     | 1.42      | 1.12      |

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# Recommended By Lemo

| Accessories    |                                |
|----------------|--------------------------------|
| Compatible cap | <a href="#">BRE.4K.200.NAS</a> |
| Tools          |                                |

# Cables

| Cable PartNumber   | Material      | Colour | Cable image                                                                         |
|--------------------|---------------|--------|-------------------------------------------------------------------------------------|
| CMN.06.T18.070PGZE |               | grey   |    |
| CMN.06.T18.070PNZE |               |        |    |
| CMN.06.T20.062PGZE |               | grey   |    |
| CMN.06.T20.062PNZE |               |        |    |
| CMN.06.T20.062QGZE | TPR (medical) | Grey   |    |
| 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   |  |
| 360500             | PVC           | Grey   |  |
| 360750             | PVC           | Grey   |  |
| 460150             | PVC           | Grey   |  |
| 60260              | PTFE          | White  |  |
| 6280               | PVC           | Black  |  |

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