



*Image for illustrative purpose only*

## Summary

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|                                    |   |
|------------------------------------|---|
| Number of contacts Low Voltage     | 9   |
| Wire Size/AWG                      | 34 - 28   |
| Gender                             | Standard  |
| Socket / Receptacle                | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system                     | Push-pull                                       |
| Jacket cable outside diameter [mm] | 1.00 - 8.30 mm                                  |
| Size                               | 0T  |
| Suggested matching part            | <a href="#">FGG.0T.309.KLAC50</a>               |
| Series                             | T - Small Outdoor keyed                         |

[https://www.lemo.com/int\\_en/solutions/originals/t-outdoor-keyed/egg-0t-309-kll.html](https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/egg-0t-309-kll.html)

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# Technical details

## Electrical Configuration

|                                 |                               |
|---------------------------------|-------------------------------|
| Contact Termination Low voltage | Solder                        |
| R (max)                         | 8.7 mOhm                      |
| Insert configuration value      | T.309 - 9 Low Voltage         |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5)     |
| Rated current                   | 2 A                           |
| Vtest (contact-contact)         | 600 V (AC), 850 V (DC)        |
| Vtest (contact-shell)           | 500 V (AC), 710 V (DC)        |
| Contact Type                    | Solder                        |
| Max. Solid Conductor            | 0.09 mm <sup>2</sup> (AWG 28) |
| Max. Stranded Conductor         | 0.09 mm <sup>2</sup> (AWG 28) |
| Bucket Dia.                     | 0.45 mm (0.018in)             |
| Contact Dia.                    | 0.5 mm (0.02in)               |
| Number of contacts Low Voltage  | 9                             |
| Wire Size/AWG                   | 34 - 28                       |
| Gender                          | Standard                      |

## Form & Material

|                        |   |
|------------------------|---|
| Shell style / Model id | EG - Fixed receptacle, nut fixing   |
| Socket / Receptacle    | Fixed Panel Front Mounted   |
| Housing material       | Brass (black chrome) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces |
| Locking system         | Push-pull   |
| Keying                 | G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)  |
| Colour                 | Black   |
| Weight                 | 4.83 g  |

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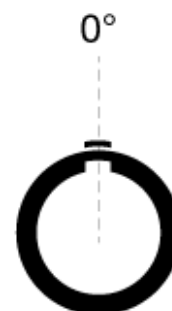
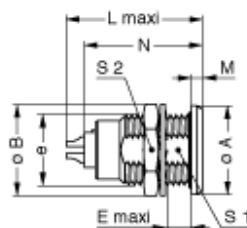
## Environment

|                                   |   |
|-----------------------------------|---|
| Technical domain                  | Energy and Industrial, Test and Measurement |
| Environmental sealing (IP rating) | IP68  |
| Endurance                         | >3000 mating cycles                         |
| Temperature range                 | -55°C / +200°C                              |
| Climatical Category               | 50/175/21                                   |
| Humidity (max)                    | <=95% [at 60 deg C /140 F]                  |
| Resistance to vibration           | 15 g [10 Hz - 2000 Hz]                      |
| Shock Resistance                  | 100 g [ 6 ms]                               |
| Salt Spray Corrosion              | >1000 hr                                    |

## Cable fixation

|                                    |                |
|------------------------------------|----------------|
| Jacket cable outside diameter [mm] | 1.00 - 8.30 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>S1</b> | <b>S2</b> |
|-----|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|
| mm. | 12       | 12.5     | M9x0.6   | 6        | 21       | 1.5      | 19.1     | 8.2       | 11        |
| in. | 0.47     | 0.49     |          | 0.24     | 0.83     | 0.06     | 0.75     | 0.32      | 0.43      |

## Recommended By Lemo

### Accessories

Compatible cap [BRE.0T.200.KAZ](#)

### Tools

Spanner [DCA.91.161.1TN](#)

[https://www.lemo.com/int\\_en/solutions/originals/t-outdoor-keyed/egg-0t-309-kl.html](https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/egg-0t-309-kl.html)

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# Cables

| Cable PartNumber   | Material      | Colour | Cable image   |
|--------------------|---------------|--------|---|
| CMN.09.T28.050CNQZ |               |        |   |
| CMN.09.T28.051PGZE |               | grey   |  |
| CMN.09.T28.051PNZE |               |        |  |
| CMN.09.T28.051QGZE | TPR (medical) | Grey   |  |

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