



*Image for illustrative purpose only*

## Summary

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|                                    |                                |
|------------------------------------|--------------------------------|
| Number of contacts Low Voltage     | 9                              |
| Wire Size/AWG                      | 34 - 28                        |
| Gender                             | Standard                       |
| Plug                               | Plug - Straight                |
| Locking system                     | Push-pull                      |
| Jacket cable outside diameter [mm] | 4.60 - 5.00 mm                 |
| Size                               | 0T                             |
| Suggested matching part            | <a href="#">EGG.0T.309.CLL</a> |
| Series                             | T - Small Outdoor keyed        |

[https://www.lemo.com/int\\_en/solutions/originals/t-outdoor-keyed/fgg-0t-309-clac50.html](https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/fgg-0t-309-clac50.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 | FG - Straight plug, cable collet  |
| Plug                   | Straight  |
| Housing material       | Brass (chrome plated [SAE AMS 2460]) 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                 | Grey  |
| Weight                 | 6.74 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

|                                    |  |
|------------------------------------|--|
| Cable termination protection       | Standard back nut (no additional protection) |
| Fixation type                      | Cable collet                                 |
| Jacket cable outside diameter [mm] | 4.60 - 5.00 mm                               |

# Recommended By Lemo

## Accessories

|                |                                |
|----------------|--------------------------------|
| Compatible cap | <a href="#">BFG.0T.100.CAS</a> |
|----------------|--------------------------------|

## Tools

|         |                               |
|---------|-------------------------------|
| Spanner | <a href="#">DCP.0T.110.TN</a> |
|---------|-------------------------------|

# Cables

| Cable PartNumber   | Material | Colour | Cable image |
|--------------------|----------|--------|-------------|
| CMN.09.T28.050CNQZ |          |        |             |

[https://www.lemo.com/int\\_en/solutions/originals/t-outdoor-keyed/fgg-0t-309-clac50.html](https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/fgg-0t-309-clac50.html)

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