



## Summary

[Request a quote](#)

[Catalog](#)

|                                    |                                |
|------------------------------------|--------------------------------|
| Number of contacts Low Voltage     | 8                              |
| Protocol                           | 1000 Base-T4 (1Gb/s)           |
| Wire Size/AWG                      | 30 - 22                        |
| Gender                             | Standard                       |
| Plug                               | Plug - Straight                |
| Locking system                     | Push-pull                      |
| Jacket cable outside diameter [mm] | 6.10 - 6.50 mm                 |
| Size                               | 1T                             |
| Suggested matching part            | <a href="#">EGG.1T.308.KLL</a> |
| Series                             | T - Small Outdoor keyed        |

[https://www.lemo.com/int\\_en/solutions/originals/t-outdoor-keyed/fgg-1t-308-klac65z.html](https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/fgg-1t-308-klac65z.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

# Technical details

## Electrical Configuration

|                                 |                               |
|---------------------------------|-------------------------------|
| Contact Termination Low voltage | Solder                        |
| R (max)                         | 6.1 mOhm                      |
| Insert configuration value      | 1T.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                    | Solder                        |
| Max. Conductor                  | 0.34 mm <sup>2</sup> (AWG 22) |
| Max. Stranded Conductor         | 0.34 mm <sup>2</sup> (AWG 22) |
| Bucket Dia.                     | 0.8 mm (0.031in)              |
| Contact Dia.                    | 0.7 mm (0.028in)              |
| Number of contacts Low Voltage  | 8                             |
| Protocol                        | 1000 Base-T4 (1Gb/s)          |
| Wire Size/AWG                   | 30 - 22                       |
| Gender                          | Standard                      |

## Form & Material

|                        |   |
|------------------------|---|
| Shell style / Model id | FG - Straight plug, cable collet and nut for fitting a bend relief  |
| Plug                   | Straight  |
| 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                 | 1 key (alpha=0, plug: male contacts, receptacle: female contacts)   |
| Colour                 | Black   |
| Weight                 | 16.45 g   |

[https://www.lemo.com/int\\_en/solutions/originals/t-outdoor-keyed/fgg-1t-308-klac65z.html](https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/fgg-1t-308-klac65z.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

## 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       | For cable bend relief |
| Fixation type                      | Cable collet          |
| Jacket cable outside diameter [mm] | 6.10 - 6.50 mm        |

# Recommended By Lemo





## Accessories

Compatible cap [BFG.1T.100.CAS](#)

## Tools

Spanner [DCP.0T.110.TN](#)

# Cables

| Cable PartNumber | Material | Colour | Cable image   |
|------------------|----------|--------|---|
| 180240           | PVC      | Black  |  |
| 280250           | PVC      | Grey   |  |
| 335990           | PVC      | Black  |  |
| 335991           | PVC      | Black  |  |

[https://www.lemo.com/int\\_en/solutions/originals/t-outdoor-keyed/fgg-1t-308-klac65z.html](https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/fgg-1t-308-klac65z.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.