

*Image for illustrative purpose only*

## Summary

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|                                    |   |
|------------------------------------|---|
| Number of contacts Low Voltage     | 8   |
| Wire Size/AWG                      | 30 - 22   |
| Gender                             | Standard  |
| Socket / Receptacle                | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system                     | Push-pull                                       |
| Jacket cable outside diameter [mm] | 1.00 - 10.60 mm                                 |
| Size                               | 1T  |
| Suggested matching part            | <a href="#">FGG.1T.308.CLAC65Z</a>              |
| Series                             | T - Small Outdoor keyed                         |

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

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# 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. Solid 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                             |
| Wire Size/AWG                   | 30 - 22                       |
| Gender                          | Standard                      |

## Form & Material

|                        |   |
|------------------------|---|
| Shell style / Model id | HG - Fixed socket, nut fixing, watertight or vacuumtight  |
| Socket / Receptacle    | Fixed Panel Front Mounted   |
| 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                 | 1 key (alpha=0, plug: male contacts, receptacle: female contacts)   |
| Colour                 | Grey  |
| Variant                | Watertight unmated (connector to device)  |
| Weight                 | 6.64 g  |

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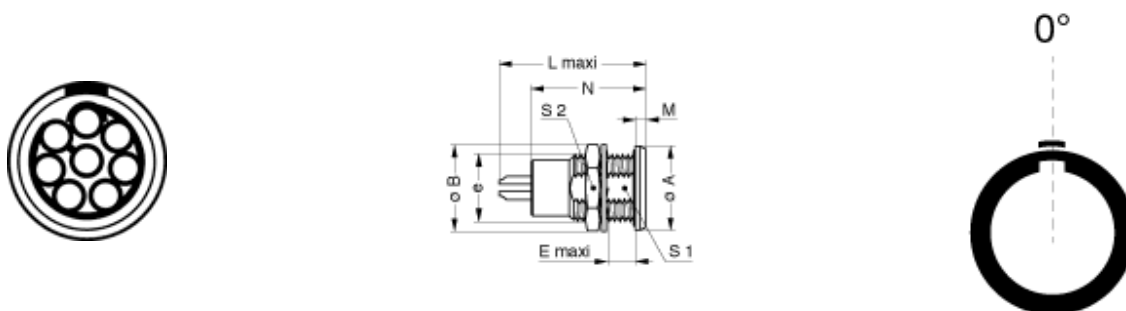
## Environment

|                                   |   |
|-----------------------------------|---|
| Technical domain                  | Energy and Industrial, Test and Measurement |
| Environmental sealing (IP rating) | IP68  |
| Endurance                         | >3000 mating cycles                         |
| Temperature range                 | -20°C / +80°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 - 10.60 mm |
|------------------------------------|-----------------|

## Drawings



## Dimensions

|     | A    | B    | e       | E    | L    | M    | N    | S1   | S2   |
|-----|------|------|---------|------|------|------|------|------|------|
| mm. | 15.5 | 16   | M12x1.0 | 6    | 26   | 1.8  | 21.5 | 10.5 | 14   |
| in. | 0.61 | 0.63 |         | 0.24 | 1.02 | 0.07 | 0.85 | 0.41 | 0.55 |

## Recommended By Lemo

### Accessories

Compatible cap [BRE.1T.200.CAZ](#)






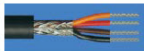







### Tools

Spanner [DCA.91.201.4TN](#)

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

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# Cables

| Cable PartNumber   | Material      | Colour | Cable image   |
|--------------------|---------------|--------|---|
| CMN.08.T22.059QGC  | TPR           | Grey   |   |
| CMN.08.T22.059QGZE | TPR (medical) | Grey   |    |
| CMN.08.T26.042QGZE | TPR (medical) | Grey   |    |
| 108220             | PVC           | Black  |    |
| 108240             | PTFE          | White  |    |
| 108260             | PTFE          | White  |    |
| 16080              | PVC           | Grey   |   |
| 180240             | PVC           | Black  |    |
| 180260             | PVC           | Black  |    |
| 280250             | PVC           | Grey   |   |
| 335990             | PVC           | Black  |  |
| 335991             | PVC           | Black  |  |
| 42265              | PVC           | Yellow |   |
| 80140              | PVC           | Grey   |  |
| 8050               | PVC           | Black  |  |
| 8280               | PVC           | Black  |  |

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