



*Image for illustrative purpose only*

## Summary

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|                                    |                         |
|------------------------------------|-------------------------|
| Number of contacts Low Voltage     | 2                       |
| Protocol                           | 1000 Base-T1 (1Gb/s)    |
| Wire Size/AWG                      | 30 - 26                 |
| Gender                             | Standard                |
| Plug                               | Plug - Straight         |
| Locking system                     | Push-pull               |
| Jacket cable outside diameter [mm] | 3.10 - 3.50 mm          |
| Size                               | 0T                      |
| Series                             | T - Small Outdoor keyed |

[https://www.lemo.com/int\\_en/solutions/originals/t-outdoor-keyed/fgg-0t-511-clac35.html](https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/fgg-0t-511-clac35.html)

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# Technical details

## Electrical Configuration

|   |   |
|---|---|
| Contact Termination Low voltage             | Solder  |
| Insert configuration value                  | 0T.511 - SPE - 2 High Speed, Low Voltage (1000BASE-T1 (IEEE 802.3bp)) |
| Insulator                                   | L: PEEK (UL 94 / V-0/1.5)   |
| Number of contacts Low Voltage              | 2   |
| Number of differentiated pairs (High speed) | 1   |
| Protocol                                    | 1000 Base-T1 (1Gb/s)  |
| Wire Size/AWG                               | 30 - 26   |
| 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                 | 6.78 g  |

## 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                                    |

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## Cable fixation

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|                                    |  |
|------------------------------------|--|
| Cable termination protection       | Standard back nut (no additional protection) |
| Fixation type                      | Cable collet                                 |
| Jacket cable outside diameter [mm] | 3.10 - 3.50 mm                               |

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# Recommended By Lemo

## Accessories

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

## Tools

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

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