



*Image for illustrative purpose only*

## Summary

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|                                    |                         |
|------------------------------------|-------------------------|
| Number of contacts Low Voltage     | 8                       |
| Protocol                           | 1000 Base-T4 (10Gb/s)   |
| Wire Size/AWG                      | 24 - 22                 |
| Gender                             | Standard                |
| Plug                               | Plug - Straight         |
| Locking system                     | Push-pull               |
| Jacket cable outside diameter [mm] | 7.10 - 7.50 mm          |
| Size                               | 2T                      |
| Series                             | T - Small Outdoor keyed |

[https://www.lemo.com/int\\_en/solutions/originals/t-outdoor-keyed/fgg-2t-514-cycc75z.html](https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/fgg-2t-514-cycc75z.html)

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# Technical details

## Electrical Configuration

|   |   |
|---|---|
| Contact Termination Low voltage             | Crimp                                       |
| Insert configuration value                  | 2T.514 - 8 High Speed, Low Voltage (CAT 6A) |
| Insulator                                   | Y: PEEK for crimp contacts                  |
| Rated current                               | 5 A   |
| Number of contacts Low Voltage              | 8   |
| Number of differentiated pairs (High speed) | 4   |
| Protocol                                    | 1000 Base-T4 (10Gb/s)                       |
| Wire Size/AWG                               | 24 - 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 (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  |
| Variant                | Nut for fitting a bend relief   |
| Weight                 | 31.19 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

|                                    |                       |
|------------------------------------|-----------------------|
| Cable termination protection       | For cable bend relief |
| Fixation type                      | Cable collet          |
| Jacket cable outside diameter [mm] | 7.10 - 7.50 mm        |

# Recommended By Lemo

## Accessories

|                     |                                |
|---------------------|--------------------------------|
| Replacement contact | <a href="#">FGG.2B.555.ZZC</a> |
| Compatible cap      | <a href="#">BFG.2T.100.CAS</a> |

## Tools

|                 |                                |
|-----------------|--------------------------------|
| Spanner         | <a href="#">DCP.2T.110.TN</a>  |
| Positionner     | <a href="#">DCE.91.072.BVC</a> |
| Extraction tool | <a href="#">DCC.07.04B.LAG</a> |
| Crimp tool      | <a href="#">DPC.91.701.V</a>   |

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