



*Image for illustrative purpose only*

## Summary

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|                                    |                                |
|------------------------------------|--------------------------------|
| Number of contacts Low Voltage     | 6                              |
| Wire Size/AWG                      | 20 - 18                        |
| Gender                             | Standard                       |
| Plug                               | Plug - Straight                |
| Locking system                     | Push-pull                      |
| Jacket cable outside diameter [mm] | 6.60 - 7.00 mm                 |
| Size                               | 2T                             |
| Suggested matching part            | <a href="#">EGG.2T.306.CYM</a> |
| Series                             | T - Small Outdoor keyed        |

[https://www.lemo.com/int\\_en/solutions/originals/t-outdoor-keyed/fgg-2t-306-cycc70.html](https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/fgg-2t-306-cycc70.html)

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# Technical details

## Electrical Configuration

|                                 |                              |
|---------------------------------|------------------------------|
| Number of contacts Low Voltage  | 6                            |
| Contact Termination Low voltage | Crimp                        |
| R (max)                         | 3.6 mOhm                     |
| Insert configuration value      | 2T.306 - 6 Low Voltage       |
| Insulator                       | Y: PEEK for crimp contacts   |
| Rated current                   | 12 A                         |
| Vtest (contact-contact)         | 2.9 kV (DC)                  |
| Vtest (contact-shell)           | 3.3 kV (DC)                  |
| Contact retention               | 40 N                         |
| Max. Conductor                  | 1 mm <sup>2</sup> (AWG 18)   |
| Min. Conductor                  | 0.5 mm <sup>2</sup> (AWG 20) |
| Bucket Dia.                     | 1.4 mm (0.055in)             |
| Contact Dia.                    | 1.3 mm (0.051in)             |
| Wire Size/AWG                   | 20 - 18                      |
| 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  |

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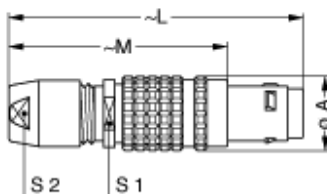
## Environment

|                                   |   |
|-----------------------------------|---|
| Technical domain                  | Energy and Industrial, Test and Measurement                       |
| Environmental sealing (IP rating) | IP68  |
| Endurance                         | >3000 mating cycles   |
| Temperature range                 | -55°C / +200°C (max. temperature valid for short periods of use.) |
| 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] | 6.60 - 7.00 mm                               |

## Drawings



## Dimensions

|     | A    | L    | M    | S1   | S2   |
|-----|------|------|------|------|------|
| mm. | 15   | 55   | 43   | 14   | 12   |
| in. | 0.59 | 2.17 | 1.69 | 0.55 | 0.47 |

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# Recommended By Lemo

| Accessories         |  |                                |
|---------------------|--|--------------------------------|
| Replacement contact |  | <a href="#">FGG.2B.565.ZZC</a> |
| Compatible cap      |  | <a href="#">BFG.2T.100.CAS</a> |
| Tools               |  |                                |
| Spanner             |  | <a href="#">DCP.2T.110.TN</a>  |
| Positionner         |  | <a href="#">DCE.91.132.BVC</a> |
| Extraction tool     |  | <a href="#">DCC.13.15B.LAG</a> |
| Crimp tool          |  | <a href="#">DPC.91.701.V</a>   |

## Cables

| Cable PartNumber   | Material | Colour | Cable image   |
|--------------------|----------|--------|---|
| CMN.06.T18.070PGZE |          | grey   |    |
| CMN.06.T18.070PNZE |          |        |  |