



*Image for illustrative purpose only*

## Summary

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|                                    |                                |
|------------------------------------|--------------------------------|
| Protocol                           | USB 2.0 (480Mb/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.304.KLL</a> |
| Series                             | T - Small Outdoor keyed        |

[https://www.lemo.com/int\\_en/solutions/originals/t-outdoor-keyed/fgg-1t-304-klac65z.html](https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/fgg-1t-304-klac65z.html)

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# Technical details

## Electrical Configuration

|                         |                               |
|-------------------------|-------------------------------|
| R (max)                 | 4.8 mOhm                      |
| Rated current           | 10 A                          |
| Vtest (contact-contact) | 1350 V (AC), 1910 V (DC)      |
| Vtest (contact-shell)   | 1450 V (AC), 2050 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.            | 0.9 mm (0.035in)              |
| Protocol                | USB 2.0 (480Mb/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   |

## Environment

|                                   |   |
|-----------------------------------|---|
| Technical domain                  | Energy and Industrial, Test and Measurement |
| Environmental sealing (IP rating) | IP68  |
| 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] | 6.10 - 6.50 mm        |

Recommended By Lemo



Accessories

|                |                                |
|----------------|--------------------------------|
| Compatible cap | <a href="#">BFG.1T.100.CAS</a> |
|----------------|--------------------------------|

Tools

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

Cables

| Cable PartNumber   | Material | Colour | Cable image  |
|--------------------|----------|--------|--|
| 417920             | PVC      | Grey   |   |
| CTR.75.030.121870G | PVC      | Grey   |  |

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