



## Summary

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|                                    |                                |
|------------------------------------|--------------------------------|
| Low Voltage                        | 2                              |
| Wire Size/AWG                      | 28 - 20                        |
| Gender                             | Standard                       |
| Plug                               | Plug - Straight                |
| Locking system                     | Push-pull                      |
| Jacket cable outside diameter [mm] | 4.30 - 5.20 mm                 |
| Size                               | 0B                             |
| Matching parts                     | <a href="#">EGG.0B.302.CLL</a> |
| Series                             | B - Indoor keyed               |

## Technical details

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-0b-302-clad52.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-0b-302-clad52.html)

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## Electrical Configuration

|                                 |                               |
|---------------------------------|-------------------------------|
| Contact Termination Low voltage | Solder                        |
| R (max)                         | 4.8 mOhm                      |
| Insert configuration value      | 0B.302 - 2 Low Voltage        |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5)     |
| Rated current                   | 10 Amps                       |
| Vtest (contact-contact)         | 1000 V (AC), 1400 V (DC)      |
| Vtest (contact-shell)           | 1050 V (AC), 1490 V (DC)      |
| Contact Type                    | Solder                        |
| Max. Solid Conductor            | 0.56 mm <sup>2</sup> (AWG 20) |
| Max. Stranded Conductor         | 0.56 mm <sup>2</sup> (AWG 20) |
| Bucket Dia.                     | 1.0 mm (0.039in)              |
| Contact Dia.                    | 0.9 mm (0.035in)              |
| Low Voltage                     | 2                             |
| Wire Size/AWG                   | 28 - 20                       |
| 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                 | 1 key (alpha=0, plug: male contacts, receptacle: female contacts)   |
| Weight                 | 8.21 g  |

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## Environment

|                                      |  |
|--------------------------------------|--|
| Technical domain                     | Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV |
| Environmental protection (IP rating) | IP50   |
| Minimal temperature                  | -55°C / +250°C   |
| Climatical Category                  | 50/175/21  |
| Humidity (max)                       | <=95% [at 60 deg C /140 F]   |
| Shielding (min)                      | 75 dB (10 MHz)   |
| Shielding (min)                      | 40 dB (1 GHz)  |
| Shock Resistance                     | 100 g [ 6 ms]  |
| Vibration                            | 15 g [10 Hz - 2000 Hz]   |
| 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] | 4.30 - 5.20 mm                               |

# Recommended By Lemo

## Accessories

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




## Tools

|                |                                  |
|----------------|----------------------------------|
| Spanner        | <a href="#">DCP.91.001.TN</a>    |
| Spanner wrench | <a href="#">DCD.0B.ZZZ.PA070</a> |

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# Cables

| Cable PartNumber | Material | Colour | Cable image   |
|------------------|----------|--------|---|
| 120240           | PVC      | Black  |  |
| 120250           | PVC      | Grey   |  |
| 2221             | PVC      | Black  |  |
| 4082             | PVC      | Grey   |   |

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