



*Image for illustrative purpose only*

## Summary

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[See video assembly instructions](#)

|                                |                                |
|--------------------------------|--------------------------------|
| Number of contacts Low Voltage | 5                              |
| Wire Size/AWG                  | 26 - 22                        |
| Gender                         | Standard                       |
| Plug                           | Plug - Straight                |
| Locking system                 | Push-pull                      |
| Size                           | 0B                             |
| Suggested matching part        | <a href="#">EGG.0B.305.CYM</a> |
| Series                         | B - Indoor keyed               |

# Technical details

## Electrical Configuration

|                                 |                               |
|---------------------------------|-------------------------------|
| Contact Termination Low voltage | Crimp                         |
| R (max)                         | 6.1 mOhm                      |
| Insert configuration value      | 0B.305 - 5 Low Voltage        |
| Insulator                       | Y: PEEK for crimp contacts    |
| Rated current                   | 6.5 A                         |
| Vtest (contact-contact)         | 1250 V (AC), 1770 V (DC)      |
| Vtest (contact-shell)           | 1200 V (AC), 1700 V (DC)      |
| Contact retention               | 22 N                          |
| Contact Type                    | Crimp                         |
| Max. Conductor                  | 0.34 mm <sup>2</sup> (AWG 22) |
| Min. Conductor                  | 0.14 mm <sup>2</sup> (AWG 26) |
| Bucket Dia.                     | 0.8 mm (0.031in)              |
| Contact Dia.                    | 0.7 mm (0.028in)              |
| Number of contacts Low Voltage  | 5                             |
| Wire Size/AWG                   | 26 - 22                       |
| 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)   |
| Colour                 | Grey  |
| Weight                 | 9.17 g  |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-0b-305-cycz.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-0b-305-cycz.html)

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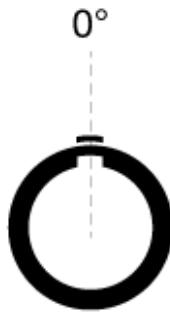
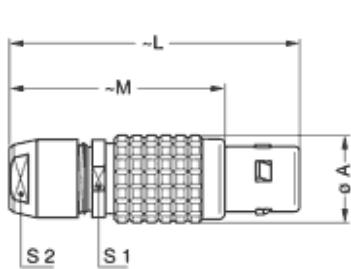
## Environment

|                                   |  |
|-----------------------------------|--|
| Technical domain                  | Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV |
| Environmental sealing (IP rating) | IP50   |
| Endurance                         | 5000 mating cycles   |
| Temperature range                 | -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 | For cable bend relief |
| Fixation type                | Cable collet          |

## Drawings



## Dimensions

|     | <b>L</b> | <b>A</b> | <b>S2</b> | <b>M</b> | <b>S1</b> |
|-----|----------|----------|-----------|----------|-----------|
| mm. | 36       | 9.5      | 7         | 26       | 8         |
| in. | 1.42     | 0.37     | 0.28      | 1.02     | 0.31      |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-0b-305-cycz.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-0b-305-cycz.html)

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