



Image for illustrative purpose only

## Summary

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|                            |                                 |
|----------------------------|---------------------------------|
| Nb of contacts Fiber optic | 2                               |
| Wire Size/AWG              | 30 - 22                         |
| Gender                     | Standard                        |
| Plug                       | Plug - Straight                 |
| Locking system             | Push-pull                       |
| Size                       | 3B                              |
| Suggested matching part    | <a href="#">ENY.3B.97J.PLLB</a> |
| Series                     | B - Indoor keyed                |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgy-3b-97j-plyd9bz.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgy-3b-97j-plyd9bz.html)

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# Technical details

## Electrical Configuration

|                            |                              |
|----------------------------|------------------------------|
| Nb of contacts Fiber optic | 2                            |
| Insert configuration value | 3B.97J - 2 FO Type F1, 10 LV |
| Insulator                  | L: PEEK (UL 94 / V-0/1.5)    |
| Rated current              | 6 A                          |
| Contact Dia.               | 0.7                          |
| Wire Size/AWG              | 30 - 22                      |
| Gender                     | Standard                     |

## Form & Material

|                        |  |
|------------------------|--|
| Shell style / Model id | FGY - Straight plug, cable collet and PSU or PPSU outer shell  |
| Plug                   | Straight   |
| Housing material       | PSU (Polysulfone) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces |
| Locking system         | Push-pull  |
| Keying                 | 3 keys (beta=126, gamma=102, plug: male contacts, receptacle: female contacts)                             |
| Variant                | White nut for bend relief  |
| Weight                 | 28.05 g  |

## 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                 | -50°C / +150°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]   |

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## Cable fixation

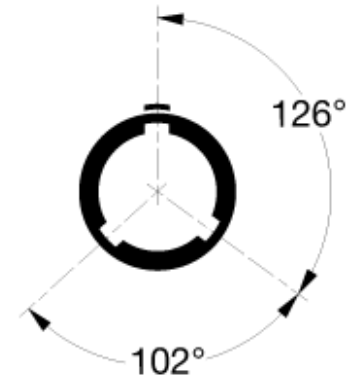
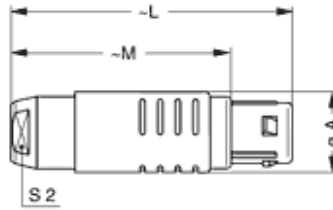
Cable termination protection

For cable bend relief

Fixation type

Cable collet

## Drawings



## Dimensions

|     | <b>S2</b> | <b>M</b> | <b>L</b> | <b>A</b> |
|-----|-----------|----------|----------|----------|
| mm. | 15        | 43       | 58       | 19       |
| in. | 0.59      | 1.69     | 2.28     | 0.75     |

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