

*Image for illustrative purpose only*

## Summary

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|                                    |                                |
|------------------------------------|--------------------------------|
| Number of contacts Low Voltage     | 18                             |
| Wire Size/AWG                      | 26 - 22                        |
| Gender                             | Standard                       |
| Plug                               | Plug - Straight                |
| Locking system                     | Push-pull                      |
| Jacket cable outside diameter [mm] | 10.80 - 11.90 mm               |
| Size                               | 3B                             |
| Suggested matching part            | <a href="#">EGG.3B.318.CLL</a> |
| Series                             | B - Indoor keyed               |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-3b-318-cybd12.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-3b-318-cybd12.html)

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# Technical details

## Electrical Configuration

|                                 |                               |
|---------------------------------|-------------------------------|
| Number of contacts Low Voltage  | 18                            |
| Contact Termination Low voltage | Crimp                         |
| R (max)                         | 4.8 mOhm                      |
| Insert configuration value      | 3B.318 - 18 Low Voltage       |
| Insulator                       | Y: PEEK for crimp contacts    |
| Rated current                   | 7 A                           |
| Vtest (contact-contact)         | 2.6 kV (DC)                   |
| Vtest (contact-shell)           | 2.3 kV (DC)                   |
| Contact retention               | 30 N                          |
| 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.                    | 0.9 mm (0.035in)              |
| 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                 | G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)  |
| Colour                 | Grey  |

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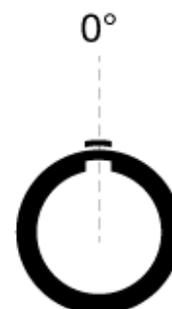
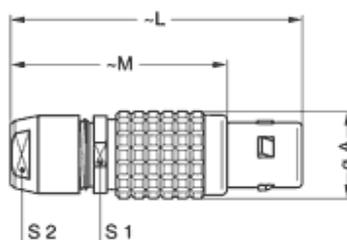
## Environment

|                                   |  |
|-----------------------------------|--|
| 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 (max. temperature valid for short periods of use.)  |
| 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] | 10.80 - 11.90 mm                             |

## Drawings



## Dimensions

|     | <b>L</b> | <b>A</b> | <b>M</b> | <b>S2</b> | <b>S1</b> |
|-----|----------|----------|----------|-----------|-----------|
| mm. | 58       | 18       | 43       | 14        | 15        |
| in. | 2.28     | 0.71     | 1.69     | 0.55      | 0.59      |

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# Recommended By Lemo

## Accessories

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Replacement contact [FGG.3B.561.ZZC](#)

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Compatible cap [BFG.3B.112.NAS](#)

## Tools

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Spanner [DCP.91.023.TN](#)

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Positionner [DCE.91.093.BVC](#)

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Extraction tool [DCC.09.05B.LAG](#)

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Crimp tool [DPC.91.701.V](#)

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Spanner wrench [DCD.3B.ZZZ.PA140](#)

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