



## Summary

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|                                    |                                |
|------------------------------------|--------------------------------|
| Number of contacts Low Voltage     | 8                              |
| Wire Size/AWG                      | 20 - 18                        |
| Gender                             | Standard                       |
| Plug                               | Plug - Straight                |
| Locking system                     | Push-pull                      |
| Jacket cable outside diameter [mm] | 9.30 - 10.00 mm                |
| Size                               | 3B                             |
| Matching parts                     | <a href="#">EGG.3B.308.CYM</a> |
| Series                             | B - Indoor keyed               |

## Technical details

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-3b-308-cycd10z.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-3b-308-cycd10z.html)

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## Electrical Configuration

|                                 |                              |
|---------------------------------|------------------------------|
| Contact Termination Low voltage | Crimp                        |
| R (max)                         | 3.6 mOhm                     |
| Insert configuration value      | 3B.308 - 8 Low Voltage       |
| Insulator                       | Y: PEEK for crimp contacts   |
| Rated current                   | 13 Amps                      |
| Vtest (contact-contact)         | 1850 V (AC), 2600 V (DC)     |
| Vtest (contact-shell)           | 1750 V (AC), 2500 V (DC)     |
| Contact retention               | 40 N                         |
| Contact Type                    | Crimp                        |
| Max. Conductor                  | 1 mm <sup>2</sup> (AWG 18)   |
| Min. Conductor                  | 0.5 mm <sup>2</sup> (AWG 20) |
| Bucket Dia.                     | 1.4 mm (0.055in)             |
| Contact Dia.                    | 1.3 mm (0.051in)             |
| Number of contacts Low Voltage  | 8                            |
| Wire Size/AWG                   | 20 - 18                      |
| Gender                          | Standard                     |

## Form & Material

|                        |   |
|------------------------|---|
| Shell style / Model id | FG - Straight plug, cable adapter and nut for fitting a bend relief   |
| 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)   |
| Variant                | Nut for fitting a bend relief   |

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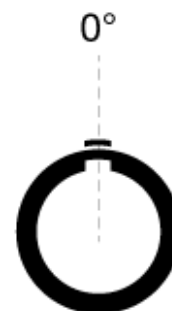
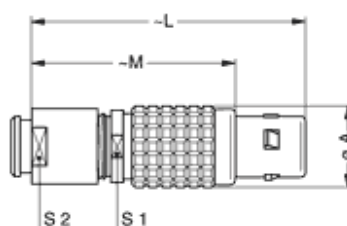
## Environment

|                                      |  |
|--------------------------------------|--|
| 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       | For cable bend relief |
| Fixation type                      | Cable collet          |
| Jacket cable outside diameter [mm] | 9.30 - 10.00 mm       |

## Drawings



## Dimensions

|     | S1   | M    | L    | S2   | A    |
|-----|------|------|------|------|------|
| mm. | 15   | 41.5 | 56.5 | 15   | 18   |
| in. | 0.59 | 1.63 | 2.22 | 0.59 | 0.71 |

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# Recommended By Lemo

## Accessories

|                     |                                 |
|---------------------|---------------------------------|
| Replacement contact | <a href="#">FGG.3B.565.ZZC</a>  |
| Compatible cap      | <a href="#">BFG.3B.100.PCSG</a> |

## Tools

|                 |                                  |
|-----------------|----------------------------------|
| Spanner         | <a href="#">DCP.91.023.TN</a>    |
| Positionner     | <a href="#">DCE.91.133.BVC</a>   |
| Extraction tool | <a href="#">DCC.13.15B.LAG</a>   |
| Crimp tool      | <a href="#">DPC.91.701.V</a>     |
| Spanner wrench  | <a href="#">DCD.3B.ZZZ.PA150</a> |

# Cables

| Cable PartNumber | Material | Colour | Cable image  |
|------------------|----------|--------|--|
| 380750           | PVC      | Grey   |  |

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