

Standard



*Image for illustrative purpose only*

## Summary

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[Customer Drawing](#)

|                                    |                 |
|------------------------------------|-----------------|
| Number of contacts Low Voltage     | 4               |
| Wire Size/AWG                      | 22 - 14         |
| Gender                             | Standard        |
| Plug                               | Plug - Straight |
| Locking system                     | Push-pull       |
| Jacket cable outside diameter [mm] | 4.90 - 6.20 mm  |
| Size                               | 3B              |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-3b-304-clad62z.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-3b-304-clad62z.html)

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Suggested matching part

EGG.3B.304.CLL  
PHG.3B.304.CLLD62Z

Series

B - Indoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-3b-304-clad62z.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-3b-304-clad62z.html)

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# Technical details

## Electrical Configuration

|                                 |                              |
|---------------------------------|------------------------------|
| Number of contacts Low Voltage  | 4                            |
| Contact Termination Low voltage | Solder                       |
| R (max)                         | 3.3 mOhm                     |
| Insert configuration value      | 3B.304 - 4 Low Voltage       |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5)    |
| Rated current                   | 17 A                         |
| Vtest (contact-contact)         | 2 kV (DC)                    |
| Vtest (contact-shell)           | 1.8 kV (DC)                  |
| Max. Solid Conductor            | 1.5 mm <sup>2</sup> (AWG 14) |
| Max. Stranded Conductor         | 1.5 mm <sup>2</sup> (AWG 16) |
| Bucket Dia.                     | 1.8 mm (0.071in)             |
| Contact Dia.                    | 2 mm (0.079in)               |
| Wire Size/AWG                   | 22 - 14                      |
| 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                 | G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)  |
| Colour                 | Grey  |
| Variant                | Nut for fitting a bend relief   |
| Weight                 | 49.63 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 sealing (IP rating) | IP50   |
| Endurance                         | 5000 mating cycles   |
| Temperature range                 | -55°C / +250°C (max. temperature valid for short periods of use.)  |
| Climatic Category                 | 55/175/21  |
| 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] | 4.90 - 6.20 mm        |

# Recommended By Lemo

## Accessories

|                |                                |
|----------------|--------------------------------|
| Compatible cap | <a href="#">BFG.3B.112.NAS</a> |
|----------------|--------------------------------|

## Tools

|                |                                  |
|----------------|----------------------------------|
| Spanner        | <a href="#">DCP.91.023.TN</a>    |
| Spanner wrench | <a href="#">DCD.3B.ZZZ.PA150</a> |

# CAD








## Documents

|       |                          |
|-------|--------------------------|
| Eplan | <a href="#">Download</a> |
|-------|--------------------------|

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# Cables

| Cable PartNumber   | Material      | Colour | Cable image   |
|--------------------|---------------|--------|---|
| CMN.04.T20.053PGZE |               | grey   |  |
| CMN.04.T20.053PNZE |               |        |  |
| CMN.04.T20.053QGZE | TPR (medical) | Grey   |  |
| 140240             | PVC           | Black  |  |
| 140250             | PVC           | Grey   |  |
| 240500             | PVC           | Grey   |  |
| 4080               | PVC           | Grey   |   |
| 4220               | PVC           | Black  |  |
| 80080              | PVC           | Grey   |   |
| 80082              | PVC           | Red    |   |
| 80084              | PVC           | Black  |   |

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