



*Image for illustrative purpose only*

## Summary

[Request a quote](#)

[Catalog](#)

|                                    |                                 |
|------------------------------------|---------------------------------|
| Nb of contacts Coax                | 1                               |
| Number of contacts Low Voltage     | 22                              |
| Wire Size/AWG                      | 30 - 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.822.CLL2</a> |
| Series                             | B - Indoor keyed                |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-3b-822-clad123.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-3b-822-clad123.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

# Technical details

## Electrical Configuration

|                                 |                                     |
|---------------------------------|-------------------------------------|
| Contact Termination Low voltage | Solder                              |
| Nb of contacts Coax             | 1                                   |
| Contact Termination Coax        | Crimp                               |
| R (max)                         | 5.8 mOhm                            |
| Insert configuration value      | 3B.822 - 1 Coax (50 Ohm), 22 Low V. |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5)           |
| Rated current                   | 5 A                                 |
| OHM                             | 50                                  |
| Test voltage (kV DC)            | 1                                   |
| Contact Type                    | Coaxial 50 Ohm (Crimp) Type C       |
| Cable type                      | RG 179 B/U, RG 187 A/U              |
| Contact Dia.                    | 0.7 mm (0.03in)                     |
| Number of contacts Low Voltage  | 22                                  |
| Wire Size/AWG                   | 30 - 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                                                                                                                          |
| Weight                 | 47.58 g                                                                                                                       |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-3b-822-clad123.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-3b-822-clad123.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

## 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       | Standard back nut (no additional protection) |
| Fixation type                      | Cable collet                                 |
| Jacket cable outside diameter [mm] | 10.80 - 11.90 mm                             |

# Recommended By Lemo

## Accessories

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

## Tools

|                 |                                  |
|-----------------|----------------------------------|
| Die Tool        | <a href="#">DPE.99.103.8K</a>    |
| Spanner         | <a href="#">DCP.91.023.TN</a>    |
| Extraction tool | <a href="#">DCC.91.384.5LA</a>   |
| Spanner wrench  | <a href="#">DCD.3B.ZZZ.PA140</a> |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-3b-822-clad123.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-3b-822-clad123.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.