



Image for illustrative purpose only

Summary

[Request a quote](#)

[Catalog](#)

[See video assembly instructions](#)

| | |
|------------------------------------|--------------------------------|
| Number of contacts Low Voltage | 5 |
| Wire Size/AWG | 30 - 22 |
| Gender | Standard |
| Plug | Plug - Straight |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 4.30 - 5.20 mm |
| Size | 1B |
| Suggested matching part | EGG.1B.305.CLL |
| Series | B - Indoor keyed |

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-1b-305-clad52z.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 |
| R (max) | 4.8 mOhm |
| Insert configuration value | 1B.305 - 5 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 9 A |
| Vtest (contact-contact) | 1250 V (AC), 1770 V (DC) |
| Vtest (contact-shell) | 1150 V (AC), 1630 V (DC) |
| Contact Type | Solder |
| Max. Solid Conductor | 0.34 mm ² (AWG 22) |
| Max. Stranded Conductor | 0.34 mm ² (AWG 22) |
| Bucket Dia. | 0.8 mm (0.031in) |
| Contact Dia. | 0.9 mm (0.035in) |
| Number of contacts Low Voltage | 5 |
| Wire Size/AWG | 30 - 22 |
| Gender | Standard |

Form & Material

| | |
|------------------------|---|
| Shell style / Model id | FG - Straight plug, cable collet 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 | 16.68 g |

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-1b-305-clad52z.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 | For cable bend relief |
| Fixation type | Cable collet |
| Jacket cable outside diameter [mm] | 4.30 - 5.20 mm |

Recommended By Lemo

Accessories

| | |
|----------------|---------------------------------|
| Compatible cap | BFG.1B.100.PCZG |
|----------------|---------------------------------|



Tools

| | |
|----------------|----------------------------------|
| Spanner | DCP.91.001.TN |
| Spanner wrench | DCD.1B.ZZZ.PA090 |

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-1b-305-clad52z.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.

Cables

| Cable PartNumber | Material | Colour | Cable image |
|--------------------|---------------|--------|---|
| CMN.05.T22.051QGZE | TPR (medical) | Grey |  |
| 50090 | PVC | Black | |
| 50140 | PVC | Grey |  |

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-1b-305-clad52z.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.