



Summary

[Request a quote](#)

[Catalog](#)

| | |
|--------------------------------|--------------------------------|
| Number of contacts Low Voltage | 10 |
| Wire Size/AWG | 20 - 18 |
| Gender | Standard |
| Plug | Plug - Fixed |
| Locking system | Push-pull |
| Size | 3B |
| Matching parts | EGG.3B.310.CYM |
| Series | B - Indoor keyed |

Technical details

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fwg-3b-310-cyc.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.

Electrical Configuration

| | |
|---------------------------------|------------------------------|
| Contact Termination Low voltage | Crimp |
| R (max) | 3.6 mOhm |
| Insert configuration value | 3B.310 - 10 Low Voltage |
| Insulator | Y: PEEK for crimp contacts |
| Rated current | 12 Amps |
| Vtest (contact-contact) | 1500 V (AC), 2120 V (DC) |
| Vtest (contact-shell) | 1800 V (AC), 2550 V (DC) |
| Contact retention | 40 N |
| Contact Type | Crimp |
| Max. Conductor | 1 mm ² (AWG 18) |
| Min. Conductor | 0.5 mm ² (AWG 20) |
| Bucket Dia. | 1.4 mm (0.055in) |
| Contact Dia. | 1.3 mm (0.051in) |
| Number of contacts Low Voltage | 10 |
| Wire Size/AWG | 20 - 18 |
| Gender | Standard |

Form & Material

| | |
|------------------------|---|
| Shell style / Model id | FW - Fixed plug, nut fixing |
| Plug | Fixed |
| 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) |
| Weight | 41.13 g |

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fwg-3b-310-cyc.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.

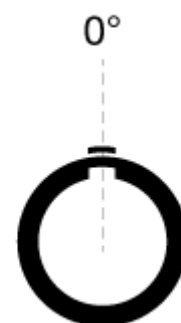
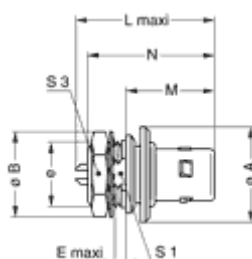
Environment

| | |
|--------------------------------------|--|
| Technical domain | Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV |
| Environmental 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 | Standard back nut (no additional protection) |
| Fixation type | Cable collet |

Drawings



Dimensions

| | A | B | e | E | L | M | N | S1 | S2 |
|-----|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|
| mm. | 25 | 25 | M18x1.0 | 4.2 | 32.1 | 23 | 31.5 | 16.5 | 22 |
| in. | 0.98 | 0.98 | | 0.17 | 1.26 | 0.91 | 1.24 | 0.65 | 0.87 |

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fwg-3b-310-cyc.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.

Recommended By Lemo

Accessories

Replacement contact [FGG.3B.565.ZZC](#)









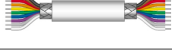


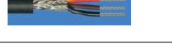


Tools

Spanner [DCA.91.282.2TN](#)

Extraction tool [DCF.92.131.3LT](#)

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

Cables

| Cable PartNumber | Material | Colour | Cable image |
|--------------------|---------------|--------|--|
| CMN.10.T20.080PGZE | | grey |  |
| CMN.10.T20.080PNZE | | |  |
| CMN.10.T20.080QGC | TPR | Grey | |
| CMN.10.T22.068QGZE | TPR (medical) | Grey |  |
| CMN.10.T28.052PGZE | | grey |  |
| CMN.10.T28.052PNZE | | |  |
| CMN.10.T28.053QGZE | TPR (medical) | Grey |  |
| 110220 | PVC | Black |  |
| 110240 | PTFE | White |  |
| 110260 | PTFE | White |  |
| 110280 | PVC | Black |  |
| 210140 | PVC | Grey |  |
| 210240 | PVC | Black |  |
| 210250 | PVC | Grey |  |
| 210260 | PVC | Black |  |

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fwg-3b-310-cyc.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.