



## Summary

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|                                    |                                 |
|------------------------------------|---------------------------------|
| Number of contacts Low Voltage     | 3                               |
| Wire Size/AWG                      | 28 - 20                         |
| Gender                             | Standard                        |
| Socket / Receptacle                | Socket / Receptacle - Free      |
| Locking system                     | Push-pull                       |
| Jacket cable outside diameter [mm] | 3.10 - 6.20 mm                  |
| Size                               | 1B                              |
| Matching parts                     | <a href="#">FGG.1B.303.CYZZ</a> |
| Series                             | B - Indoor keyed                |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/phg-1b-303-cyzz.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/phg-1b-303-cyzz.html)

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# Technical details

## Electrical Configuration

|                                |                        |
|--------------------------------|------------------------|
| Insert configuration value     | 1B.303 - 3 Low Voltage |
| Insulator                      | LCP for crimp contacts |
| Rated current                  | 12 Amps                |
| Contact Type                   | No contact(s)          |
| Contact Dia.                   | 1.3                    |
| Number of contacts Low Voltage | 3                      |
| Wire Size/AWG                  | 28 - 20                |
| Gender                         | Standard               |

## Form & Material

|                        |                                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell style / Model id | PH - Free receptacle for cable collet (collet not provided))                                                                  |
| Socket / Receptacle    | Free                                                                                                                          |
| 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                 | 17.14 g                                                                                                                       |

## 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                                                                                                                                   |

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## Cable fixation

|                                    |                       |
|------------------------------------|-----------------------|
| Cable termination protection       | For cable bend relief |
| Fixation type                      | Cable collet          |
| Jacket cable outside diameter [mm] | 3.10 - 6.20 mm        |

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