



Summary

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| | |
|------------------------------------|---------------------------------|
| 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 | FGG.1B.303.CYZZ |
| Series | B - Indoor keyed |

Technical details

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/phg-1b-303-cyzz.html

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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 |
| 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 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 |

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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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