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Summary

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| | |
|------------------------------------|-----------------------------------|
| Number of contacts Low Voltage | 10 |
| Wire Size/AWG | 18 - 10 |
| Gender | Standard |
| Socket / Receptacle | Socket / Receptacle - Free |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 9.60 - 11.50 mm |
| Size | 5B |
| Suggested matching part | FGG.5B.310.CLAD11 |
| Series | B - Indoor keyed |

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/phg-5b-310-clld11.html

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Technical details

Electrical Configuration

| | |
|---------------------------------|----------------------------|
| Number of contacts Low Voltage | 10 |
| Contact Termination Low voltage | Solder |
| R (max) | 3.1 mOhm |
| Insert configuration value | 5B.310 - 10 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 20 A |
| Vtest (contact-contact) | 3.3 kV (DC) |
| Vtest (contact-shell) | 3.2 kV (DC) |
| Max. Solid Conductor | 4 mm ² (AWG 10) |
| Max. Stranded Conductor | 4 mm ² (AWG 12) |
| Bucket Dia. | 2.7 mm (0.106in) |
| Contact Dia. | 3 mm (0.118in) |
| Wire Size/AWG | 18 - 10 |
| Gender | Standard |

Form & Material

| | |
|------------------------|---|
| Shell style / Model id | PH - Free receptacle, cable collet |
| 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 | G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts) |
| Colour | Grey |
| Weight | 370.12 g |

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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 (max. temperature valid for short periods of use.) |
| 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] | 9.60 - 11.50 mm |

Recommended By Lemo

Accessories

| | |
|----------------|--------------------------------|
| Compatible cap | BRF.5S.200.NAS |
|----------------|--------------------------------|

Tools

| | |
|---------|-------------------------------|
| Spanner | DCP.91.045.TN |
|---------|-------------------------------|

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