



Image for illustrative purpose only

Summary

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| | |
|------------------------------------|--|
| Number of contacts Low Voltage | 12 |
| Wire Size/AWG | 32 - 28 |
| Gender | Standard |
| Socket / Receptacle | Socket / Receptacle - Fixed Panel Rear Mounted |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 7.30 - 8.20 mm |
| Size | 2B |
| Series | B - Indoor keyed |

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/pfg-2b-312-cypd82.html

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Technical details

Electrical Configuration

| | |
|---------------------------------|--------------------------------|
| Number of contacts Low Voltage | 12 |
| Contact Termination Low voltage | Crimp |
| R (max) | 6.1 mOhm |
| Insert configuration value | 2B.312 - 12 Low Voltage |
| Insulator | Y: PEEK for crimp contacts |
| Rated current | 7 A |
| Vtest (contact-contact) | 2.3 kV (DC) |
| Vtest (contact-shell) | 2.9 kV (DC) |
| Contact retention | 22 N |
| Max. Conductor | 0.09 mm ² (AWG 28) |
| Min. Conductor | 0.035 mm ² (AWG 32) |
| Bucket Dia. | 0.45 mm (0.018in) |
| Contact Dia. | 0.7 mm (0.028in) |
| Wire Size/AWG | 32 - 28 |
| Gender | Standard |

Form & Material

| | |
|------------------------|---|
| Shell style / Model id | PF - Fixed receptacle, with two nuts, cable collet (back panel mounting) |
| Socket / Receptacle | Fixed Panel Rear Mounted |
| 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 |

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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] | 7.30 - 8.20 mm |

Drawings



Dimensions

| | A | B | e | E | L | M | S1 | S2 | S3 |
|-----|------|------|---------|------|------|------|------|------|------|
| mm. | 20 | 20 | M15x1.0 | 6.5 | 47 | 3.5 | 13.5 | 12 | 17 |
| in. | 0.79 | 0.79 | | 0.26 | 1.85 | 0.14 | 0.53 | 0.47 | 0.67 |

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Recommended By Lemo

| Accessories | |
|---------------------|---|
| Replacement contact | EGG.2B.656.ZZM |
| Compatible cap | BRA.2B.200.PCSG |
| Tools | |
| Positionner | DCE.91.072.BVM |
| Extraction tool | DCC.07.04B.LAG |
| Crimp tool | DPC.91.701.V |
| Spanner wrench | Socket for torque wrench DCM.65.170.AZ and DCM.2S.M15.6 |

Cables

| Cable PartNumber | Material | Colour | Cable image |
|------------------|----------|--------|-------------|
| 124080 | PVC | Grey | |