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Summary

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| | |
|------------------------------------|--|
| Number of contacts Low Voltage | 16 |
| Nb of contacts Coax | 2 |
| Wire Size/AWG | 30 - 22 |
| Gender | Standard |
| Socket / Receptacle | Socket / Receptacle - Fixed Panel Rear Mounted |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 9.90 - 11.00 mm |
| Size | 3B |
| Suggested matching part | FGG.3B.856.CLAD111 |
| Series | B - Indoor keyed |

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/pfg-3b-856-clld111.html

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Technical details

Electrical Configuration

| | |
|---|-------------------------------------|
| Number of contacts Low Voltage | 16 |
| Contact Termination Low voltage | Solder |
| Nb of contacts Coax | 2 |
| Contact Termination Coax - Conductor fixing | Crimp |
| Contact Termination Coax - Screen fixing | Crimp |
| R (max) | 5.8 mOhm |
| Insert configuration value | 3B.856 - 2 Coax (50 Ohm), 16 Low V. |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 7 A |
| OHM | 50 |
| Test voltage (kV DC) | 1 |
| Cable type | RG 174 A/U, RG 188 A/U, RG 316 /U |
| Contact Dia. | 0.7 mm (0.03in) |
| Wire Size/AWG | 30 - 22 |
| 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 |
| Weight | 58.59 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] | 9.90 - 11.00 mm |

Drawings



Dimensions

| | A | B | e | E | L | M | S1 | S2 | S3 |
|-----|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|
| mm. | 24 | 25 | M18x1.0 | 9 | 56 | 4.5 | 16.5 | 14 | 22 |
| in. | 0.94 | 0.98 | | 0.35 | 2.2 | 0.18 | 0.65 | 0.55 | 0.87 |

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Recommended By Lemo

| | |
|--------------------|--|
| Accessories | |
| Compatible cap | BRA.3B.200.PCSG |
| Tools | |
| Die Tool | DPE.99.103.8K |
| Extraction tool | DCC.91.CP1.LAG |
| Spanner wrench | Socket for torque wrench DCM.65.200.AZ |