



*Image for illustrative purpose only*

## 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            | <a href="#">FGG.3B.856.CLAD111</a>             |
| Series                             | B - Indoor keyed                               |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/pfg-3b-856-clld111.html](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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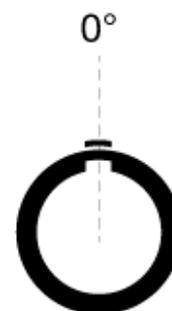
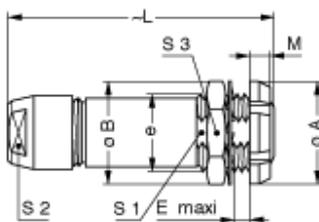
## Environment

|                                   |  |
|-----------------------------------|--|
| 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

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Compatible cap [BRA.3B.200.PCSG](#)

## Tools

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Die Tool [DPE.99.103.8K](#)

Extraction tool [DCC.91.CP1.LAG](#)

Spanner wrench [Socket for torque wrench DCM.65.200.AZ](#)

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