



*Image for illustrative purpose only*

## Summary

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|                                    |                                |
|------------------------------------|--------------------------------|
| Number of contacts Low Voltage     | 16                             |
| Number of contacts High Voltage    | 2                              |
| Wire Size/AWG                      | 30 - 22                        |
| Gender                             | Standard                       |
| Plug                               | Plug - Straight                |
| Locking system                     | Push-pull                      |
| Jacket cable outside diameter [mm] | 10.60 - 12.00 mm               |
| Size                               | 4B                             |
| Suggested matching part            | <a href="#">EGG.4B.745.CLL</a> |
| Series                             | B - Indoor keyed               |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-4b-745-clad12.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-4b-745-clad12.html)

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# Technical details

## Electrical Configuration

|                                  |                              |
|----------------------------------|------------------------------|
| Contact Termination Low voltage  | Solder                       |
| Contact Termination High voltage | Solder                       |
| Insert configuration value       | 4B.745 - 2 High V. 16 Low V. |
| Insulator                        | L: PEEK (UL 94 / V-0/1.5)    |
| Rated current                    | 7 A                          |
| Test voltage HV Ue (kV rms)      | 14.7                         |
| Contact Type                     | Solder                       |
| Contact Dia.                     | 0.9                          |
| Number of contacts Low Voltage   | 16                           |
| Number of contacts High Voltage  | 2                            |
| Wire Size/AWG                    | 30 - 22                      |
| Gender                           | Standard                     |

## Form & Material

|                        |   |
|------------------------|---|
| Shell style / Model id | FG - Straight plug, cable collet  |
| Plug                   | Straight  |
| 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                 | 113.32 g  |

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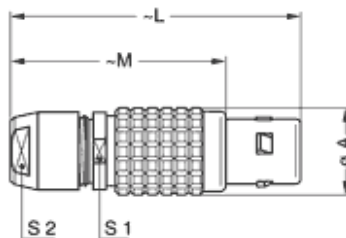
## Environment

|                                   |  |
|-----------------------------------|--|
| 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   |
| 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] | 10.60 - 12.00 mm                             |

## Drawings



## Dimensions

|     | S2   | S1   | M    | L    | A    |
|-----|------|------|------|------|------|
| mm. | 20   | 21   | 57   | 75   | 25   |
| in. | 0.79 | 0.83 | 2.24 | 2.95 | 0.98 |

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# Recommended By Lemo

## Accessories

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Compatible cap [BFG.4B.100.NAS](#)

## Tools

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Spanner [DCP.91.045.TN](#)

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