



*Image for illustrative purpose only*

## Summary

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|                                    |   |
|------------------------------------|---|
| Number of contacts Low Voltage     | 16  |
| Wire Size/AWG                      | 22 - 14   |
| Gender                             | Reverse Gender                                  |
| Socket / Receptacle                | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system                     | Push-pull                                       |
| Jacket cable outside diameter [mm] | 4.00 - 33.60 mm                                 |
| Size                               | 5B  |
| Suggested matching part            | <a href="#">FGJ.5B.316.CLLD15</a>               |
| Series                             | B - Indoor keyed                                |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/egj-5b-316-cla.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/egj-5b-316-cla.html)

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# Technical details

## Electrical Configuration

|                                 |                              |
|---------------------------------|------------------------------|
| Number of contacts Low Voltage  | 16                           |
| Contact Termination Low voltage | Solder                       |
| R (max)                         | 3.3 mOhm                     |
| Insert configuration value      | 5B.316 - 16 Low Voltage      |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5)    |
| Rated current                   | 12 A                         |
| Vtest (contact-contact)         | 2.6 kV (DC)                  |
| Vtest (contact-shell)           | 2.8 kV (DC)                  |
| Max. Solid Conductor            | 1.5 mm <sup>2</sup> (AWG 14) |
| Max. Stranded Conductor         | 1.5 mm <sup>2</sup> (AWG 16) |
| Bucket Dia.                     | 1.8 mm (0.071in)             |
| Contact Dia.                    | 2 mm (0.079in)               |
| Wire Size/AWG                   | 22 - 14                      |
| Gender                          | Reverse Gender               |

## Form & Material

|                        |   |
|------------------------|---|
| Shell style / Model id | EG - Fixed receptacle, nut fixing   |
| Socket / Receptacle    | Fixed Panel Front 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                 | 2 keys (alpha=37.5, plug: female contacts, receptacle: male contacts)   |
| Colour                 | Grey  |
| Weight                 | 122.68 g  |

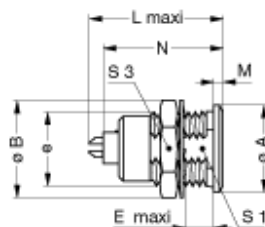
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## Environment

|                                    |  |
|------------------------------------|--|
| 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   |
| <b>Cable fixation</b>              |  |
| Jacket cable outside diameter [mm] | 4.00 - 33.60 mm  |

## Drawings



## Dimensions

|     | <b>e</b> | <b>E</b> | <b>L</b> | <b>M</b> | <b>N</b> | <b>S1</b> | <b>B</b> | <b>A</b> |
|-----|----------|----------|----------|----------|----------|-----------|----------|----------|
| mm. | M35x1.0  | 11       | 43.5     | 3        | 39.6     | 33.5      | 40       | 40       |
| in. |          | 0.43     | 1.71     | 0.12     | 1.56     | 1.32      | 1.57     | 1.57     |

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# Recommended By Lemo

## Accessories

Compatible cap

[BRE.5S.200.NAS](#)

## Cables

| Cable PartNumber   | Material      | Colour | Cable image   |
|--------------------|---------------|--------|---|
| CMN.16.T22.076QGZE | TPR (medical) | Grey   |    |
| CMN.16.T28.059PGZE |               | grey   |    |
| CMN.16.T28.059PNZE |               |        |    |
| CMN.16.T28.070NNZZ |               |        |   |
| CMN.16.T30.047QGZE | TPR (medical) | Grey   |    |
| 116080             | PUR           | Black  |   |
| 116280             | PVC           | Black  |  |
| 16050              | PVC           | Black  |  |
| 216220             | PVC           | Black  |  |
| 216240             | PVC           | Black  |  |
| 216260             | PVC           | Black  |  |
| 316250             | PVC           | Grey   |  |
| 416500             | PVC           | Grey   |  |
| 416750             | PVC           | Grey   |  |

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