



## Summary

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|                     |                                                 |
|---------------------|-------------------------------------------------|
| Low Voltage         | 2                                               |
| Wire Size/AWG       | 28 - 20                                         |
| Gender              | Standard                                        |
| Socket / Receptacle | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system      | Push-pull                                       |
| Matching parts      | <a href="#">FGA.0B.302.CLAD52Z</a>              |
| Series              | B - Indoor keyed                                |

## Technical details

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/ega-0b-302-cll.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/ega-0b-302-cll.html)

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## Electrical Configuration

|                                 |                               |
|---------------------------------|-------------------------------|
| Contact Termination Low voltage | Solder                        |
| R (max)                         | 4.8 mOhm                      |
| Insert configuration value      | 0B.302 - 2 Low Voltage        |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5)     |
| Rated current                   | 10 Amps                       |
| Vtest (contact-contact)         | 1000 V (AC), 1400 V (DC)      |
| Vtest (contact-shell)           | 1050 V (AC), 1490 V (DC)      |
| Contact Type                    | Solder                        |
| Max. Solid Conductor            | 0.56 mm <sup>2</sup> (AWG 20) |
| Max. Stranded Conductor         | 0.56 mm <sup>2</sup> (AWG 20) |
| Bucket Dia.                     | 1.0 mm (0.039in)              |
| Contact Dia.                    | 0.9 mm (0.035in)              |
| Low Voltage                     | 2                             |
| Wire Size/AWG                   | 28 - 20                       |
| Gender                          | Standard                      |

## 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=30, plug: male contacts, receptacle: female contacts)                                                           |
| Weight                 | 4.12 g                                                                                                                        |

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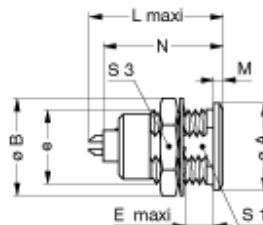
## Environment

|                          |                                                                                                                                            |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Technical domain         | Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV |
| Environmental protection | IP50                                                                                                                                       |
| Minimal temperature      | -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                                 |

## Drawings



## Dimensions

|     | <b>B</b> | <b>e</b> | <b>L</b> | <b>M</b> | <b>N</b> | <b>S1</b> | <b>S3</b> | <b>E</b> | <b>A</b> |
|-----|----------|----------|----------|----------|----------|-----------|-----------|----------|----------|
| mm. | 12.5     | M9x0.6   | 20.7     | 1.2      | 19.1     | 8.2       | 11        | 7        | 10       |
| in. | 0.49     |          | 0.81     | 0.05     | 0.75     | 0.32      | 0.43      | 0.28     | 0.39     |

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# Recommended By Lemo

|             |
|-------------|
| Accessories |
| Tools       |

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# Cables

| Cable PartNumber   | Material | Colour | Cable image                                                                          |
|--------------------|----------|--------|--------------------------------------------------------------------------------------|
| CMN.02.T28.030PGCE | PVC      | GREY   |     |
| CMN.02.T28.030PGZE |          | grey   |     |
| CMN.02.T28.030PNCE | PVC      | Black  |     |
| CMN.02.T28.030PNZE |          |        |     |
| 102080             | PVC      | Grey   |                                                                                      |
| 120184             | PVC      | Black  |    |
| 120240             | PVC      | Black  |     |
| 120250             | PVC      | Grey   |     |
| 20140              | PVC      | Grey   |    |
| 20140              | PVC      | Grey   |    |
| 20141              | PVC      | Grey   |     |
| 20142              | PVC      | Red    |    |
| 20143              | PVC      | Green  |  |
| 20144              | PVC      | Black  |  |
| 20145              | PVC      | Yellow |  |
| 20146              | PVC      | Black  |  |
| 20240              | PTFE     | White  |   |
| 20260              | PVC      | Black  |   |
| 20264              | PVC      | Black  |  |
| 20266              | PVC      | Violet |  |
| 2050               | PVC      | Black  |   |
| 20550              | PUR      | Black  |   |
| 20560              | PUR      | White  |   |
| 2080               | PVC      | Grey   |                                                                                      |
| 2221               | PVC      | Black  |   |
| 2260               | PTFE     | White  |   |
| 2280               | PVC      | Black  |   |
| 4082               | PVC      | Grey   |                                                                                      |
| CMB.02.210.635     | PUR      | Black  |                                                                                      |

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