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## Summary

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|                                    |                                                 |
|------------------------------------|-------------------------------------------------|
| Number of contacts Low Voltage     | 3                                               |
| Wire Size/AWG                      | 28 - 20                                         |
| Gender                             | Standard                                        |
| Socket / Receptacle                | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system                     | Push-pull                                       |
| Jacket cable outside diameter [mm] | 1.00 - 8.30 mm                                  |
| Size                               | 0B                                              |
| Suggested matching part            | <a href="#">FGG.0B.303.CLAD52</a>               |
| Series                             | B - Indoor keyed                                |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/egg-0b-303-cll.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/egg-0b-303-cll.html)

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# Technical details

## Electrical Configuration

|                                 |                               |
|---------------------------------|-------------------------------|
| Number of contacts Low Voltage  | 3                             |
| Contact Termination Low voltage | Solder                        |
| R (max)                         | 4.8 mOhm                      |
| Insert configuration value      | 0B.303 - 3 Low Voltage        |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5)     |
| Rated current                   | 8 A                           |
| Vtest (contact-contact)         | 1.7 kV (DC)                   |
| Vtest (contact-shell)           | 1.3 kV (DC)                   |
| 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)              |
| 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                 | G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)                                                          |
| Colour                 | Grey                                                                                                                          |
| Weight                 | 4.41 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

|                                    |                |
|------------------------------------|----------------|
| Jacket cable outside diameter [mm] | 1.00 - 8.30 mm |
|------------------------------------|----------------|

# Recommended By Lemo

## Accessories

|                |                                |
|----------------|--------------------------------|
| Compatible cap | <a href="#">BRE.0S.200.NAS</a> |
|----------------|--------------------------------|

## Tools

|         |                                |
|---------|--------------------------------|
| Spanner | <a href="#">DCA.91.161.1TN</a> |
|---------|--------------------------------|

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# Cables

| Cable PartNumber   | Material | Colour | Cable image                                                                           |
|--------------------|----------|--------|---------------------------------------------------------------------------------------|
| CMN.03.T28.031PGCE | PVC      | GREY   |    |
| CMN.03.T28.031PGZE |          | grey   |    |
| CMN.03.T28.031PNCE | PVC      | Black  |    |
| CMN.03.T28.031PNZE |          |        |    |
| 130240             | PVC      | Black  |    |
| 130250             | PVC      | Grey   |    |
| 30110              | PVC      | Grey   |    |
| 30141              | PVC      | Grey   |    |
| 30260              | PVC      | Black  |    |
| 3041               | PVC      | Grey   |  |
| 3050               | PVC      | Black  |  |
| 3081               | PVC      | Black  |                                                                                       |
| 3220               | PVC      | Black  |  |
| 3280               | PVC      | Black  |  |
| 60080              | PVC      | Grey   |                                                                                       |

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