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## Summary

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|                                    |  |
|------------------------------------|--|
| Number of contacts Low Voltage     | 7  |
| Wire Size/AWG                      | 34 - 28  |
| Gender                             | Standard                                       |
| Socket / Receptacle                | Socket / Receptacle - Fixed Panel Rear Mounted |
| Locking system                     | Push-pull                                      |
| Jacket cable outside diameter [mm] | 1.00 - 8.30 mm                                 |
| Size                               | 0B   |
| Suggested matching part            | <a href="#">FGG.0B.307.CLAD32</a>              |
| Series                             | B - Indoor keyed                               |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/heg-0b-307-cllpv.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/heg-0b-307-cllpv.html)

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# Technical details

## Electrical Configuration

|                                 |                               |
|---------------------------------|-------------------------------|
| Contact Termination Low voltage | Solder                        |
| R (max)                         | 8.7 mOhm                      |
| Insert configuration value      | 0B.307 - 7 Low Voltage        |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5)     |
| Rated current                   | 2.5 A                         |
| Vtest (contact-contact)         | 800 V (AC), 1130 V (DC)       |
| Vtest (contact-shell)           | 700 V (AC), 990 V (DC)        |
| Contact Type                    | Solder                        |
| Max. Solid Conductor            | 0.09 mm <sup>2</sup> (AWG 28) |
| Max. Stranded Conductor         | 0.09 mm <sup>2</sup> (AWG 28) |
| Bucket Dia.                     | 0.45 mm (0.018in)             |
| Contact Dia.                    | 0.5 mm (0.02in)               |
| Number of contacts Low Voltage  | 7                             |
| Wire Size/AWG                   | 34 - 28                       |
| Gender                          | Standard                      |

## Form & Material

|                        |   |
|------------------------|---|
| Shell style / Model id | HE - Fixed receptacle, nut fixing, watertight or vacuum-tight (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  |
| Variant                | Watertight / Vacuum-tested unmated (connector to device)  |
| Weight                 | 5.52 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) | Hermetic unmated   |
| Endurance                         | 5000 mating cycles   |
| Temperature range                 | -20°C / +100°C   |
| Climatical Category               | 20/80/21   |
| 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]   |
| Pressure                          | 60 bars  |
| R leak (He) (max)                 | 0.0000001 mbar*/s (if vacuum-tested)   |
| 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="#">DCH.91.121.PA</a>                         |
| Spanner wrench | <a href="#">Socket for torque wrench DCM.0S.M09.4</a> |

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# Cables

| Cable PartNumber   | Material | Colour | Cable image   |
|--------------------|----------|--------|---|
| CMN.07.T28.044PGZE |          | grey   |  |
| CMN.07.T28.044PNZE |          |        |  |
| 7041               | PVC      | Grey   |  |
| 7050               | PVC      | Black  |  |
| 717920             | PVC      | Grey   |  |
| CTR.75.030.121875G | PVC      | Grey   |  |

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