



Image for illustrative purpose only

Summary

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| | |
|------------------------------------|---|
| Number of contacts Low Voltage | 5 |
| Wire Size/AWG | 24 - 16 |
| Gender | Standard |
| Socket / Receptacle | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 2.00 - 16.60 mm |
| Size | 3B |
| Suggested matching part | FGG.3B.305.CLAD10 |
| Series | B - Indoor keyed |

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/hgg-3b-305-cllp.html

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Technical details

Electrical Configuration

| | |
|---------------------------------|----------------------------|
| Number of contacts Low Voltage | 5 |
| Contact Termination Low voltage | Solder |
| R (max) | 3.5 mOhm |
| Insert configuration value | 3B.305 - 5 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 12.5 A |
| Vtest (contact-contact) | 2.7 kV (DC) |
| Vtest (contact-shell) | 1.8 kV (DC) |
| Max. Solid Conductor | 1 mm ² (AWG 16) |
| Max. Stranded Conductor | 1 mm ² (AWG 18) |
| Bucket Dia. | 1.4 mm (0.055in) |
| Contact Dia. | 1.6 mm (0.063in) |
| Wire Size/AWG | 24 - 16 |
| Gender | Standard |

Form & Material

| | |
|------------------------|---|
| Shell style / Model id | HG - Fixed receptacle, nut fixing, watertight or vacuum-tight |
| 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 |
| Variant | Watertight unmated (connector to device) |
| Weight | 34.92 g |

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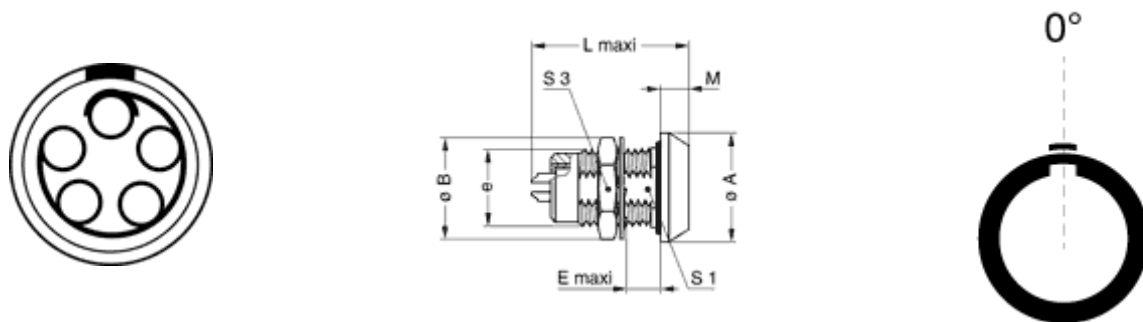
Environment

| | |
|-----------------------------------|--|
| Technical domain | Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV |
| Environmental sealing (IP rating) | IP68 |
| Endurance | 5000 mating cycles |
| Temperature range | -20°C / +80°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 | 30 bars |
| Salt Spray Corrosion | >1000 hr |

Cable fixation

| | |
|------------------------------------|-----------------|
| Jacket cable outside diameter [mm] | 2.00 - 16.60 mm |
|------------------------------------|-----------------|

Drawings



Dimensions

| | S3 | A | B | e | E | L | M | S1 |
|-----|-----------|----------|----------|----------|----------|----------|----------|-----------|
| mm. | 22 | 25 | 25 | M18x1.0 | 11.5 | 36.1 | 4 | 16.5 |
| in. | 0.87 | 0.98 | 0.98 | | 0.45 | 1.42 | 0.16 | 0.65 |

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Recommended By Lemo

| | |
|--------------------|--------------------------------|
| Accessories | |
| Compatible cap | BRE.3S.200.NAS |
| Tools | |
| Spanner | DCA.91.282.2TN |

Cables

| Cable PartNumber | Material | Colour | Cable image |
|--------------------|---------------|--------|---|
| CMN.05.T18.065PGZE | | grey |  |
| CMN.05.T18.065PNZE | | |  |
| CMN.05.T20.057PGZE | | grey |  |
| CMN.05.T20.057PNZE | | |  |
| CMN.05.T20.057QGZE | TPR (medical) | Grey |  |
| CMN.05.T22.051QGZE | TPR (medical) | Grey |  |
| CMN.05.T28.029PGCE | PVC | GREY |  |
| CMN.05.T28.029PGZE | | grey |  |
| CMN.05.T28.029PNCE | PVC | Black |  |
| CMN.05.T28.029PNZE | | |  |
| 150250 | PVC | Grey |  |
| 250500 | PVC | Grey |  |
| 50090 | PVC | Black | |
| 50140 | PVC | Grey |  |
| 5050 | PVC | Black |  |