



Image for illustrative purpose only

Summary

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| | |
|------------------------------------|--|
| Number of contacts Low Voltage | 2 |
| Wire Size/AWG | 16 - 12 |
| Gender | Standard |
| Socket / Receptacle | Socket / Receptacle - Fixed Panel Rear Mounted |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 2.00 - 13.60 mm |
| Size | 2B |
| Suggested matching part | FGG.2B.302.CYCD72Z |
| Series | B - Indoor keyed |

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/eeg-2b-302-cym.html

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Technical details

Electrical Configuration

| | |
|---------------------------------|------------------------------|
| Number of contacts Low Voltage | 2 |
| Contact Termination Low voltage | Crimp |
| R (max) | 3.3 mOhm |
| Insert configuration value | 2B.302 - 2 Low Voltage |
| Insulator | Y: PEEK for crimp contacts |
| Rated current | 20.5 A |
| Vtest (contact-contact) | 4.1 kV (DC) |
| Vtest (contact-shell) | 3.8 kV (DC) |
| Contact retention | 65 N |
| Max. Conductor | 2.5 mm ² (AWG 12) |
| Min. Conductor | 1.5 mm ² (AWG 16) |
| Bucket Dia. | 2.4 mm (0.094in) |
| Contact Dia. | 2 mm (0.079in) |
| Wire Size/AWG | 16 - 12 |
| Gender | Standard |

Form & Material

| | |
|------------------------|---|
| Shell style / Model id | EE - Fixed receptacle, nut fixing (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 |
| Weight | 16.56 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 |

Cable fixation

| | |
|------------------------------------|-----------------|
| Jacket cable outside diameter [mm] | 2.00 - 13.60 mm |
|------------------------------------|-----------------|

Drawings



Dimensions

| | B | e | E | L | M | N | P | S1 | S2 | A |
|-----|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|----------|
| mm. | 20 | M15x1.0 | 4.3 | 26.7 | 3.5 | 24.6 | 9 | 13.5 | 15 | 20 |
| in. | 0.79 | | 0.17 | 1.05 | 0.14 | 0.97 | 0.35 | 0.53 | 0.59 | 0.79 |



























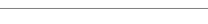














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Recommended By Lemo

| Accessories | |
|---------------------|---|
| Replacement contact | EGG.2B.675.ZZM |
| Compatible cap | BRE.2S.200.NAS |
| Tools | |
| Spanner | DCH.91.201.PA |
| Positionner | DCE.91.202.BVCM |
| Extraction tool | DCC.20.25B.LAG |
| Crimp tool | DPC.91.101.A |
| Spanner wrench | Socket for torque wrench DCM.65.170.AZ and DCM.2S.M15.6 |

Cables

| Cable PartNumber | Material | Colour | Cable image |
|--------------------|---------------|--------|---|
| CMN.02.T12.078PGZE | | grey |  |
| CMN.02.T12.078PNZE | | black |  |
| CMN.02.T14.072PGZE | | grey |  |
| CMN.02.T14.072PNZE | | black |  |
| CMN.02.T14.072QGZE | TPR (medical) | Grey |  |
| CMN.02.T14.078PGZE | | grey |  |
| CMN.02.T14.078PNZE | | |  |
| CMN.02.T18.064UNCU | | | |
| CMN.02.T20.047PGZE | | grey |  |
| CMN.02.T20.047PNZE | | |  |
| CMN.02.T20.048QGZE | TPR (medical) | Grey |  |
| 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 |  |
| 120500 | PVC | Grey |  |
| 120501 | PVC | Grey |  |
| 120751 | 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 | |
| 220151 | PVC | Grey |  |
| 220750 | PVC | Grey |  |
| 2221 | PVC | Black |  |
| 2260 | PTFE | White |  |
| 2280 | PVC | Black |  |
| 320150 | PVC | Grey |  |
| 4082 | PVC | Grey | |
| CMB.02.210.635 | PUR | Black | |

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