



Summary

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| | |
|---------------------|--|
| Low Voltage | 2 |
| Wire Size/AWG | 24 - 20 |
| Gender | Standard |
| Socket / Receptacle | Socket / Receptacle - Fixed Panel Rear Mounted |
| Locking system | Push-pull |
| Matching parts | FGG.0B.302.CYCD52 |
| Series | B - Indoor keyed |

Technical details

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/ecg-0b-302-cym.html

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Electrical Configuration

| | |
|----------------------------|-------------------------------|
| Termination Low voltage | Crimp |
| R (max) | 4.8 mOhm |
| Insert configuration value | 0B.302 - 2 Low Voltage |
| Insulator | Y: PEEK for crimp contacts |
| Rated current | 10 Amps |
| Vtest (contact-contact) | 1450 V (AC), 2100 V (DC) |
| Vtest (contact-shell) | 1200 V (AC), 1700 V (DC) |
| Contact retention | 30 N |
| Contact Type | Crimp |
| Max. Conductor | 0.5 mm ² (AWG 20) |
| Min. Conductor | 0.25 mm ² (AWG 24) |
| Bucket Dia. | 1.1 mm (0.043in) |
| Contact Dia. | 0.9 mm (0.035in) |
| Low Voltage | 2 |
| Wire Size/AWG | 24 - 20 |
| Gender | Standard |

Form & Material

| | |
|------------------------|---|
| Shell style / Model id | EC - Fixed receptacle with two nuts (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 | 1 key (alpha=0, plug: male contacts, receptacle: female contacts) |
| Weight | 5.99 g |

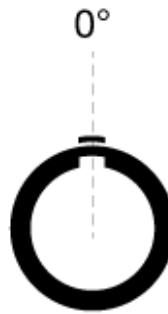
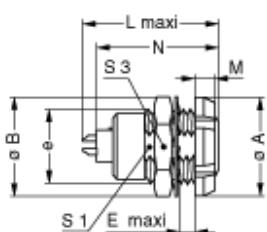
Environment

| | |
|--------------------------|--|
| Technical domain | Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV |
| Environmental protection | IP50 |
| Temp (min / max) | -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

| | A | B | S3 | M | N | S1 | L | E | e |
|-----|----------|----------|-----------|----------|----------|-----------|----------|----------|----------|
| mm. | 12 | 12.4 | 11 | 2.5 | 19.1 | 8.2 | 20.7 | 5.5 | M9x0.6 |
| in. | 0.47 | 0.49 | 0.43 | 0.1 | 0.75 | 0.32 | 0.81 | 0.22 | |

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Recommended By Lemo

Accessories

| | |
|---------------------|----------------|
| Replacement contact | EGG.0B.660.ZZM |
|---------------------|----------------|

Tools

| | |
|-----------|---------------|
| Spanner 2 | DCH.91.121.PA |
|-----------|---------------|

| | |
|-------------|----------------|
| Positionner | DCE.91.090.BVM |
|-------------|----------------|

| | |
|-----------------|----------------|
| Extraction tool | DCC.09.05B.LAG |
|-----------------|----------------|

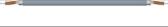
| | |
|------------|--------------|
| Crimp tool | DPG.91.701.V |
|------------|--------------|

| | |
|----------------|--|
| Spanner wrench | Socket for torque wrench DCM.65.100.AZ and DCM.05.M09.4 |
|----------------|--|

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Cables

| Cable PartNumber | Material | Colour | Cable image |
|--------------------|---------------|--------|---|
| 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 |  |
| 220750 | PVC | Grey |  |
| 2221 | PVC | Black |  |
| 2260 | PTFE | White |  |
| 2280 | PVC | Black |  |
| 4082 | PVC | Grey | |
| CMB.02.210.635 | PUR | Black | |

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