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Summary

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| | |
|------------------------------------|--|
| Number of contacts Low Voltage | 10 |
| Wire Size/AWG | 20 - 18 |
| Gender | Standard |
| Socket / Receptacle | Socket / Receptacle - Fixed Panel Rear Mounted |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 2.00 - 16.60 mm |
| Size | 3B |
| Suggested matching part | FGG.3B.310.CYCD10Z |
| Series | B - Indoor keyed |

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/ecg-3b-310-cym.html

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Technical details

Electrical Configuration

| | |
|---------------------------------|------------------------------|
| Number of contacts Low Voltage | 10 |
| Contact Termination Low voltage | Crimp |
| R (max) | 3.6 mOhm |
| Insert configuration value | 3B.310 - 10 Low Voltage |
| Insulator | Y: PEEK for crimp contacts |
| Rated current | 12 A |
| Vtest (contact-contact) | 2.1 kV (DC) |
| Vtest (contact-shell) | 2.6 kV (DC) |
| Contact retention | 40 N |
| Max. Conductor | 1 mm ² (AWG 18) |
| Min. Conductor | 0.5 mm ² (AWG 20) |
| Bucket Dia. | 1.4 mm (0.055in) |
| Contact Dia. | 1.3 mm (0.051in) |
| Wire Size/AWG | 20 - 18 |
| 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 | G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts) |
| Colour | Grey |
| Weight | 31.18 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 - 16.60 mm |
|------------------------------------|-----------------|

Recommended By Lemo

Accessories

| | |
|---------------------|--------------------------------|
| Replacement contact | EGG.3B.665.ZZM |
| Compatible cap | BRE.3S.200.NAS |

Tools

| | |
|-----------------|--|
| Positionner | DCE.91.133.BVM |
| Extraction tool | DCC.13.15B.LAG |
| Crimp tool | DPC.91.701.V |
| Spanner wrench | Socket for torque wrench DCM.65.200.AZ |

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Cables

| Cable PartNumber | Material | Colour | Cable image |
|--------------------|---------------|--------|---|
| CMN.10.T20.080PGZE | | grey |  |
| CMN.10.T20.080PNZE | | |  |
| CMN.10.T20.080QGC | TPR | Grey | |
| CMN.10.T22.068QGZE | TPR (medical) | Grey |  |
| CMN.10.T28.052PGZE | | grey |  |
| CMN.10.T28.052PNZE | | |  |
| CMN.10.T28.053QGZE | TPR (medical) | Grey |  |
| 110220 | PVC | Black |  |
| 110240 | PTFE | White |  |
| 110260 | PTFE | White |  |
| 110280 | PVC | Black |  |
| 210140 | PVC | Grey |  |
| 210240 | PVC | Black |  |
| 210250 | PVC | Grey |  |
| 210260 | PVC | Black |  |

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