



Image for illustrative purpose only

Summary

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| | |
|------------------------------------|------------------------------------------------|
| Number of contacts Low Voltage | 3 |
| Wire Size/AWG | 24 - 20 |
| Gender | Reverse Gender |
| 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 | FGJ.0B.303.CYMD42 |
| Series | B - Indoor keyed |

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/eej-0b-303-cyc.html

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Technical details

Electrical Configuration

| | |
|---------------------------------|-------------------------------|
| Number of contacts Low Voltage | 3 |
| Contact Termination Low voltage | Crimp |
| R (max) | 4.8 mOhm |
| Insert configuration value | 0B.303 - 3 Low Voltage |
| Insulator | Y: PEEK for crimp contacts |
| Rated current | 8 A |
| Vtest (contact-contact) | 2.4 kV (DC) |
| Vtest (contact-shell) | 2.3 kV (DC) |
| Contact retention | 30 N |
| 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) |
| Wire Size/AWG | 24 - 20 |
| Gender | Reverse Gender |

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 | 2 keys (gamma=45, plug: female contacts, receptacle: male contacts) |
| Colour | Grey |
| Weight | 5.86 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] | 1.00 - 8.30 mm |
|------------------------------------|----------------|

Drawings



Dimensions

| | S1 | P | N | S2 | M | L | e | B | A | E |
|-----|------|------|------|------|-----|------|--------|------|------|------|
| mm. | 8.2 | 6.3 | 19.1 | 9 | 2.5 | 20.7 | M9x0.6 | 12.5 | 12 | 2.4 |
| in. | 0.32 | 0.25 | 0.75 | 0.35 | 0.1 | 0.81 | | 0.49 | 0.47 | 0.09 |











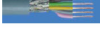

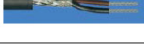




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Recommended By Lemo

| Accessories | |
|---------------------|-------------------------------------------------------|
| Replacement contact | FGG.0B.560.ZZC |
| Compatible cap | BRE.0S.200.NAS |
| Tools | |
| Spanner 2 | DCM.65.106.AZ4 |
| Positionner | DCE.91.090.BVC |
| Extraction tool | DCC.09.05B.LAG |
| Crimp tool | DPC.91.701.V |
| Spanner wrench | Socket for torque wrench DCM.0S.M09.4 |

Cables

| Cable PartNumber | Material | Colour | Cable image |
|--------------------|----------|--------|---------------------------------------------------------------------------------------|
| CMN.03.T20.049PGZE | | grey |  |
| CMN.03.T20.049PNZE | | |  |
| CMN.03.T28.031PGCE | PVC | GREY |  |
| CMN.03.T28.031PGZE | | grey |  |
| CMN.03.T28.031PNCE | PVC | Black |  |
| CMN.03.T28.031PNZE | | |  |
| 130240 | PVC | Black |  |
| 130250 | PVC | Grey |  |
| 230500 | PVC | Grey |  |
| 230750 | PVC | Grey |  |
| 30110 | PVC | Grey |  |
| 30141 | PVC | Grey |  |
| 30260 | PVC | Black |  |
| 3041 | PVC | Grey |  |
| 3050 | PVC | Black |  |
| 3081 | PVC | Black | |
| 3220 | PVC | Black |  |
| 3280 | PVC | Black |  |
| 60080 | PVC | Grey | |

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