



Summary

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| | |
|------------------------------------|--------------------------------|
| Low Voltage | 3 |
| Wire Size/AWG | 28 - 20 |
| Gender | Standard |
| Plug | Plug - Elbow |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 4.30 - 5.20 mm |
| Matching parts | EGG.1B.303.CLL |
| Series | B - Indoor keyed |

Technical details

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fsg-1b-303-clad52.html

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Electrical Configuration

| | |
|---------------------------------|------------------------------|
| Contact Termination Low voltage | Solder |
| R (max) | 3.6 mOhm |
| Insert configuration value | 1B.303 - 3 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 12 Amps |
| Vtest (contact-contact) | 1300 V (AC), 1840 V (DC) |
| Vtest (contact-shell) | 1550 V (AC), 2200 V (DC) |
| Contact Type | Solder |
| Max. Solid Conductor | 0.5 mm ² (AWG 20) |
| Max. Stranded Conductor | 0.5 mm ² (AWG 20) |
| Bucket Dia. | 1 mm (0.039in) |
| Contact Dia. | 1.3 mm (0.051in) |
| Low Voltage | 3 |
| Wire Size/AWG | 28 - 20 |
| Gender | Standard |

Form & Material

| | |
|------------------------|---|
| Shell style / Model id | FS - Adjustable right angle Anglissimo plug (8 selective positions) with cable collet |
| Plug | Elbow |
| 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 | 13.74 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 protection | IP50 |
| Minimal temperature | -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] |
| Note | Cable diameter is specific for Anglissimo to enable easy termination of connector |
| Salt Spray Corrosion | >1000 hr |

Cable fixation

| | |
|------------------------------------|--|
| Cable termination protection | Standard back nut (no additional protection) |
| Fixation type | Cable collet |
| Jacket cable outside diameter [mm] | 4.30 - 5.20 mm |

Recommended By Lemo

Accessories







Tools

| | |
|----------------|----------------------------------|
| Spanner 2 | DCP.91.FSG.TN |
| Spanner wrench | DCD.1B.ZZZ.PA090 |

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Cables

| Cable PartNumber | Material | Colour | Cable image |
|--------------------|----------|--------|---|
| CMN.03.T20.049PGZE | | grey |  |
| CMN.03.T20.049PNZE | | |  |
| 130240 | PVC | Black |  |
| 130250 | PVC | Grey |  |
| 30260 | PVC | Black |  |
| 3220 | PVC | Black |  |
| 60080 | PVC | Grey | |

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