



Image for illustrative purpose only

Summary

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| | |
|------------------------------------|--------------------------------|
| Number of contacts Low Voltage | 2 |
| Wire Size/AWG | 32 - 28 |
| Gender | Standard |
| Plug | Plug - Straight |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 2.30 - 2.70 mm |
| Size | 00 |
| Suggested matching part | EGG.00.302.CYM |
| Series | B - Indoor keyed |

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-00-302-cycd27.html

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Technical details

Electrical Configuration

| | |
|---------------------------------|--------------------------------|
| Number of contacts Low Voltage | 2 |
| Contact Termination Low voltage | Crimp |
| R (max) | 8.7 mOhm |
| Insert configuration value | 0.302 - 2 Low Voltage |
| Rated current | 4 A |
| Vtest (contact-contact) | 1.7 kV (DC) |
| Vtest (contact-shell) | 1.7 kV (DC) |
| Max. Conductor | 0.035 mm ² (AWG 32) |
| Min. Conductor | 0.09 mm ² (AWG 28) |
| Bucket Dia. | 0.45 mm (0.02in) |
| Contact Dia. | 0.5 mm (0.02in) |
| Wire Size/AWG | 32 - 28 |
| Gender | Standard |

Form & Material

| | |
|------------------------|---|
| Shell style / Model id | FG - Straight plug, cable collet |
| Plug | Straight |
| 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 | 4.55 g |

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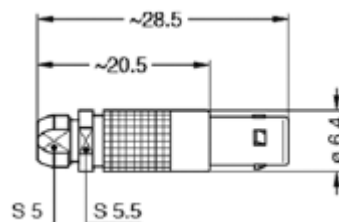
Environment

| | |
|-----------------------------------|----------------------------|
| Environmental sealing (IP rating) | IP50 |
| 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 |
| Jacket cable outside diameter [mm] | 2.30 - 2.70 mm |

Drawings



Dimensions

| | A | S2 | L | M | S1 |
|-----|------|-----|------|------|------|
| mm. | 6.4 | 5 | 28.5 | 20.5 | 5.5 |
| in. | 0.25 | 0.2 | 1.12 | 0.81 | 0.22 |

Recommended By Lemo

Accessories

| | |
|---------------------|---------------------------------|
| Replacement contact | FGG.00.554.ZZC |
| Compatible cap | BFG.00.100.PCSG |

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Tools

| | |
|-----------------|--------------------------------|
| Positionner | DCE.91.050.0VC |
| Extraction tool | DCC.05.02B.LAG |
| Crimp tool | DPC.91.701.V |

Cables

| Cable PartNumber | Material | Colour | Cable image |
|------------------|----------|--------|---|
| 2050 | PVC | Black |  |

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