

Summary

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| | |
|------------------------------------|--------------------------------|
| Number of contacts Low Voltage | 7 |
| Wire Size/AWG | 28 - 20 |
| Gender | Standard |
| Plug | Plug - Straight |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 4.30 - 5.20 mm |
| Size | 2B |
| Suggested matching part | EGD.2B.307.CLL |
| Series | B - Indoor keyed |

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgd-2b-307-clyd52z.html

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Technical details

Electrical Configuration

| | |
|--------------------------------|---------------------------|
| Insert configuration value | 2B.307 - 7 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 11 A |
| Contact Type | Special |
| Contact Dia. | 1.3 |
| Number of contacts Low Voltage | 7 |
| Wire Size/AWG | 28 - 20 |
| Gender | Standard |

Form & Material

| | |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell style / Model id | FG - Straight plug, cable collet and nut for fitting a bend relief |
| 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 | 2 keys (gamma=95, plug: male contacts, receptacle: female contacts) |
| Colour | Grey |
| Variant | Nut for fitting a bend relief |
| Weight | 30.24 g |

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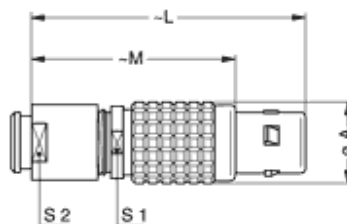
Environment

| | |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |
| 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 | For cable bend relief |
| Fixation type | Cable collet |
| Jacket cable outside diameter [mm] | 4.30 - 5.20 mm |

Drawings



Dimensions

| | A | L | M | S1 | S2 |
|-----|----------|----------|----------|-----------|-----------|
| mm. | 15 | 49 | 37 | 13 | 12 |
| in. | 0.59 | 1.93 | 1.46 | 0.51 | 0.47 |

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