

Summary

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| | |
|------------------------------------|------------------|
| Number of contacts Low Voltage | 18 |
| Wire Size/AWG | 24 - 20 |
| Gender | Reverse Gender |
| Plug | Plug - Elbow |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 10.80 - 11.90 mm |
| Size | 3B |
| Series | B - Indoor keyed |

Technical details

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fhl-3b-318-cymd12.html

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Electrical Configuration

| | |
|---------------------------------|-------------------------------|
| Contact Termination Low voltage | Crimp |
| R (max) | 4.8 mOhm |
| Insert configuration value | 3B.318 - 18 Low Voltage |
| Insulator | Y: PEEK for crimp contacts |
| Rated current | 7 Amps |
| Vtest (contact-contact) | 1850 V (AC), 2600 V (DC) |
| Vtest (contact-shell) | 1600 V (AC), 2250 V (DC) |
| Contact retention | 30 N |
| Contact Type | Crimp |
| 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) |
| Number of contacts Low Voltage | 18 |
| Wire Size/AWG | 24 - 20 |
| Gender | Reverse Gender |

Form & Material

| | |
|------------------------|---|
| Shell style / Model id | FH - Elbow plug, 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 | 2 keys (gamma=70, plug: female contacts, receptacle: male contacts) |
| Weight | 64.72 g |

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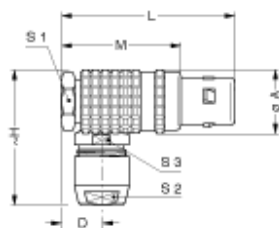
Environment

| | |
|--------------------------------------|--|
| Technical domain | Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV |
| Environmental protection (IP rating) | 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] |
| 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] | 10.80 - 11.90 mm |

Drawings



Dimensions

| | A | D | H | L | M | S1 | S2 | S3 |
|-----|----------|----------|----------|----------|----------|-----------|-----------|-----------|
| mm. | 19 | 10 | 37 | 50 | 35 | 17 | 14 | 15 |
| in. | 0.75 | 0.39 | 1.46 | 1.97 | 1.38 | 0.67 | 0.55 | 0.59 |

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