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Summary

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| | |
|--------------------------------|-----------------------------------|
| Number of contacts Low Voltage | 40 |
| Wire Size/AWG | 30 - 22 |
| Gender | Standard |
| Plug | Plug - Fixed |
| Locking system | Snap-on |
| Size | 4B |
| Suggested matching part | PHG.4B.340.SLLD12 |
| Series | B - Indoor keyed |

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fag-4b-340-sla.html

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Technical details

Electrical Configuration

| | |
|---------------------------------|-------------------------------|
| Number of contacts Low Voltage | 40 |
| Contact Termination Low voltage | Solder |
| R (max) | 6.1 mOhm |
| Insert configuration value | 4B.340 - 40 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 3 A |
| Vtest (contact-contact) | 1.4 kV (DC) |
| Vtest (contact-shell) | 1.4 kV (DC) |
| Max. Conductor | 0.34 mm ² (AWG 22) |
| Max. Stranded Conductor | 0.34 mm ² (AWG 22) |
| Bucket Dia. | 0.8 mm (0.031in) |
| Contact Dia. | 0.7 mm (0.028in) |
| Wire Size/AWG | 30 - 22 |
| Gender | Standard |

Form & Material

| | |
|------------------------|--|
| Shell style / Model id | FA - Fixed plug, non-latching, nut fixing |
| Plug | Fixed |
| Housing material | Stainless steel shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces |
| Locking system | Snap-on |
| Keying | G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts) |
| Colour | Grey |
| Weight | 78.49 g |

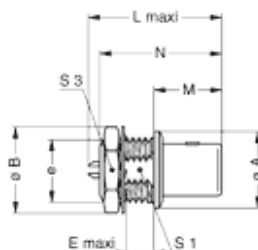
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Environment

| | |
|-----------------------------------|--|
| 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] |

Drawings



Dimensions

| | A | B | S3 | S1 | N | M | L | E | e |
|-----|------|------|------|------|------|------|------|------|---------|
| mm. | 29 | 34 | 30 | 23.5 | 34.7 | 20.5 | 37.1 | 6.8 | M25x1.0 |
| in. | 1.14 | 1.34 | 1.18 | 0.93 | 1.37 | 0.81 | 1.46 | 0.27 | |

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