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Summary

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| | |
|--------------------------------|-----------------------------------|
| Number of contacts Low Voltage | 6 |
| Gender | Standard |
| Socket / Receptacle | Socket / Receptacle - Elbow |
| Locking system | Push-pull |
| Size | 1B |
| Suggested matching part | FGG.1B.306.CLAD42 |
| Series | B - Indoor keyed |

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/exg-1b-306-hln.html

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Technical details

Electrical Configuration

| | |
|---------------------------------|----------------------------|
| Number of contacts Low Voltage | 6 |
| Contact Termination Low voltage | PCB - Straight |
| R (max) | 6.1 mOhm |
| Insert configuration value | 1B.306/EXG - 6 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 4.5 A |
| Test voltage contact-body shell | 1.45 kV rms |
| Test voltage contact-contact | 1.35 kV rms |
| Contact Dia. | 0.7 mm (0.028in) |
| Gender | Standard |

Form & Material

| | |
|------------------------|-------------------------------------------------------------------------------------------------------|
| Shell style / Model id | EX - Elbow receptacle for printed circuit with two nuts (solder or screw fixing, back panel mounting) |
| Socket / Receptacle | Elbow |
| Housing material | PPS (Polyphenylene) shell, other pieces nickel plated [SAE AMS QQ N 290] brass |
| Locking system | Push-pull |
| Keying | G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts) |
| Weight | 14.56 g |

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 | >144 hr |

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Recommended By Lemo

Accessories

Compatible cap

[BRE.1S.200.NAS](#)

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