



## Summary

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Low Voltage	5
Wire Size/AWG	30 - 22
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Size	1B
Series	B - Indoor keyed

## Technical details

### Electrical Configuration

Insert configuration value	1B.305 - 5 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	9 Amps
Contact Type	Special
Contact Dia.	0.9
Low Voltage	5
Wire Size/AWG	30 - 22
Gender	Standard

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/hmg-1b-305-clwp.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/hmg-1b-305-clwp.html)

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## Form & Material

Shell style / Model id	HM - Fixed receptacle with grounding tab, nut fixing, watertight or vacuum-tight (back panel mounting)
Socket / Receptacle	Fixed Panel Rear Mounted
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	1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Variant	Watertight unmated (connector to device)
Weight	12.5 g

## Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV
Environmental protection (IP rating)	IP68
Minimal temperature	-20°C / +100°C
Climatical Category	20/80/21
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]
Pressure	60 bars
Salt Spray Corrosion	>1000 hr

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