



*Image for illustrative purpose only*

## Summary

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Number of contacts 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

[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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# Technical details

## Electrical Configuration

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

## 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	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Variant	Watertight unmated (connector to device)
Weight	12.5 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)	IP68
Endurance	5000 mating cycles
Temperature range	-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

## Recommended By Lemo

### Accessories

Compatible cap	<a href="#">BRE.1S.200.NAS</a>
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### Tools

Spanner	<a href="#">DCH.91.161.PA</a>
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Spanner wrench	<a href="#">Socket for torque wrench DCM.1S.M12.4</a>
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