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## Summary

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Number of contacts Low Voltage	7
Gender	Standard
Locking system	Push-pull
Size	1B
Suggested matching part	<a href="#">FGG.1B.307.CLAD52Z</a>
Series	B - Indoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/sjg-1b-307-clasv.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/sjg-1b-307-clasv.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	7
Insert configuration value	1B.307 - 7 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	7 A
Vtest (contact-contact)	1.4 kV (DC)
Vtest (contact-shell)	1.5 kV (DC)
Contact Dia.	0.7 mm (0.03in)
Gender	Standard

## Form & Material

Shell style / Model id	SJG - Fixed coupler, nut fixing, keys (G, A, B, J, K, L) at the flange end and keys (G, A, B, J, K, L) at the other end, watertight or vacuum-tight, special potting
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	Front side: 2 keys (gamma=45, male) , Other side: 1 key (alpha=0, female)
Colour	Grey
Variant	Watertight / Vacuum-tested unmated (connector to device), special potting

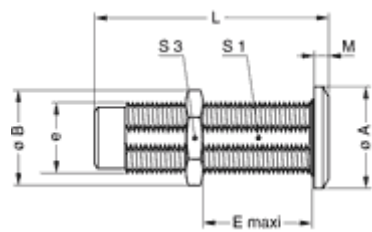
## Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV
Environmental sealing (IP rating)	Hermetic unmated
Endurance	5000 mating cycles
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]
R leak (He) (max)	0.0000001 mbar*l/s (if vacuum-tested)
Salt Spray Corrosion	>1000 hr

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# Drawings



## Dimensions

	A	B	e	E	L	M	S1	S3
mm.	17	15.8	M12x1.00	28	39	2.5	10.5	14
in.	0.67	0.62		1.1	1.54	0.1	0.41	0.55

# Recommended By Lemo

## Accessories

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