

Standard



*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	2
Gender	Reverse Gender
Locking system	Push-pull
Size	0B
Suggested matching part	<a href="#">FGJ.0B.302.CLLD42</a> <a href="#">FGG.0B.302.CLAD42</a>
Series	B - Indoor keyed

# Technical details

## Electrical Configuration

Number of contacts Low Voltage	2
R (max)	4.8 mOhm
Insert configuration value	0B.302 - 2 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	10 A
Vtest (contact-contact)	1.9 kV (DC)
Vtest (contact-shell)	1.5 kV (DC)
Max. Solid Conductor	0.34 mm <sup>2</sup> (AWG 22)
Max. Stranded Conductor	0.34 mm <sup>2</sup> (AWG 22)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.9 mm (0.04in)
Gender	Reverse Gender

## Form & Material

Shell style / Model id	SGJ - 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
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: 1 key (alpha=0, female) , Other side: 2 keys (gamma=45, male)
Colour	Grey
Variant	Watertight / Vacuum-tested unmated (connector to device)
Weight	12.45 g

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/sgj-0b-302-cllpv.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/sgj-0b-302-cllpv.html)

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## Environment

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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
Temperature range	-20°C / +100°C
Climatic 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
R leak (He) (max)	$10^{-7}$ mbar·l/s (if vacuum-tested)
Salt Spray Corrosion	>1000 hr

## Recommended By Lemo

### Accessories

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Compatible cap	<a href="#">BRE.05.200.NAS</a>
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