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## Summary

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Number of contacts Low Voltage	5
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Size	1B
Suggested matching part	<a href="#">FGA.1B.305.CLAD42</a>
Series	B - Indoor keyed

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

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	5
Contact Termination Low voltage	PCB - Elbow
R (max)	4.8 mOhm
Insert configuration value	1B.305 - 5 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	6 A
Vtest (contact-contact)	1250 V (AC), 1770 V (DC)
Vtest (contact-shell)	1150 V (AC), 1630 V (DC)
Contact Dia.	0.9 mm (0.035in)
Gender	Standard

## Form & Material

Shell style / Model id	EC - Fixed receptacle with two nuts and elbow contacts for printed circuit (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	A: 2 keys (alpha=30, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	11.04 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)	IP50
Endurance	5000 mating cycles
Temperature range	-55°C / +250°C (max. temperature valid for short periods of use.)
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	>1000 hr

## Recommended By Lemo

### Accessories

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

Spanner 2	<a href="#">DCM.65.141.AZ4</a>
Spanner wrench	<a href="#">Socket for torque wrench DCM.1S.M12.4</a>

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