



Image for illustrative purpose only

## Summary

[Request a quote](#)

[Catalog](#)

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
Suggested matching part	<a href="#">FGB.1B.305.CLAD42Z</a>
Series	B - Indoor keyed

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

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

# Technical details

## Electrical Configuration

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)
Vtest (contact-contact)	1250 V (AC), 1770 V (DC)
Vtest (contact-shell)	1150 V (AC), 1630 V (DC)
Contact Type	Print (elbow)
Contact Dia.	0.9 mm (0.035in)
Number of contacts Low Voltage	5
Wire Size/AWG	30 - 22
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	B: 2 keys (alpha=60, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	11.05 g

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

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

## 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
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

---

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

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.