

Standard



*Image for illustrative purpose only*

## Summary

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SE series

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[Customer Drawing](#)

Number of contacts Low Voltage	4
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Size	0S
Suggested matching part	<a href="#">FFA.0S.304.CLAC17</a>
Series	S - Indoor Stepped Insert

# Technical details

## Electrical Configuration

Number of contacts Low Voltage	4
Contact Termination Low voltage	PCB - Elbow
Insert configuration value	05.304 - 4 Low Voltage
Footprint IPC Class3 compatibility	Yes
Class3 Productibility Level Compatibility	A (General Design Producibility - Preferred)
Insulator	L: PEEK (UL 94 / V-0/1.5)
Test voltage (kV DC)	1.5
Contact Dia.	0.7

## Form & Material

Shell style / Model id	ECP - Fixed receptacle with two nuts, long threaded shell, with 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	Hermaphroditic keying (half moon insert) with female pin 1
Colour	Grey
Weight	5.54 g

## Environment

Technical domain	Audio Video, Energy and Industrial, Semiconductor, Test and Measurement
Environmental sealing (IP rating)	IP50
Endurance	5000 mating cycles
Temperature range	-55°C / +250°C (max. temperature valid for short periods of use.)
Climatic Category	55/175/21
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/s-indoor-stepped-insert/ecp-0s-304-clv.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ecp-0s-304-clv.html)

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## Cable fixation

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Panel Drill Hole

M9

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# Recommended By Lemo

## Accessories

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Compatible cap [BRE.0S.200.NAS](#)

## Tools

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Spanner 2 [DCM.65.106.AZ4](#)

Spanner wrench [Socket for torque wrench DCM.0S.M09.4](#)

# CAD

## Documents

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PCB [Download](#)

PCB Eagle [Download](#)

Kicad [Download](#)

PCB Altium [Download](#)

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/ecp-0s-304-clv.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ecp-0s-304-clv.html)

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