

Standard



*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	4
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Size	1S
Suggested matching part	<a href="#">FFA.1S.304.CLAC22</a>
Series	S - Indoor Stepped Insert

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/ecp-1s-304-cln.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ecp-1s-304-cln.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	4
Contact Termination Low voltage	PCB - Straight
R (max)	4.8 mOhm
Insert configuration value	1S.304 - 4 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	10 A
Test voltage (kV DC)	1.8
Contact Dia.	0.9 mm (0.0354in)

## Form & Material

Shell style / Model id	ECP - Fixed receptacle with two nuts, long threaded shell, with straight contact 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	10.5 g

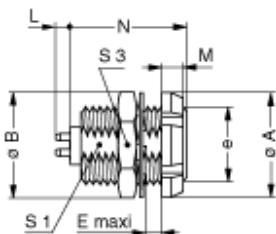
## Environment

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

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# Drawings



## Dimensions

	<b>S3</b>	<b>S1</b>	<b>N</b>	<b>M</b>	<b>E</b>	<b>e</b>	<b>B</b>	<b>A</b>
mm.	14	10.5	17.5	3.5	10	M12x1.0	16	16
in.	0.55	0.41	0.69	0.14	0.39		0.63	0.63

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

### Documents

PCB	<a href="#">Download</a>
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PCB Eagle	<a href="#">Download</a>
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Kicad	<a href="#">Download</a>
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PCB Altium	<a href="#">Download</a>
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