

Standard



*Image for illustrative purpose only*

## Summary

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SE series

Number of contacts Low Voltage	5
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	1.00 - 10.60 mm
Size	1S
Suggested matching part	<a href="#">FFA.1S.305.CLAC42</a>
Series	S - Indoor Stepped Insert

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/erd-1s-305-cll.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/erd-1s-305-cll.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	5
Contact Termination Low voltage	Solder
Insert configuration value	1S.305 - 2 (0.9 mm) + 3 (0.7 mm) Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	0.9 mm : 10 A, 0.7 mm : 7 A
Test voltage (kV DC)	2.1
Bucket Dia.	2x0.8 mm, 3x0.8 mm
Contact Dia.	2x0.9 mm, 3x0.7 mm
Wire Size/AWG details	0.9 mm : 22 (AWG max), 0.7 mm : 26 (AWG max)

## Form & Material

Shell style / Model id	ERD - Fixed receptacle with two nuts (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	9.91 g

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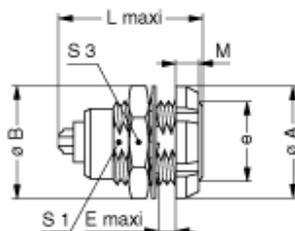
## Environment

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

## Cable fixation

Jacket cable outside diameter [mm]	1.00 - 10.60 mm
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## Drawings



## Dimensions

	<b>A</b>	<b>B</b>	<b>e</b>	<b>E</b>	<b>L</b>	<b>M</b>	<b>S1</b>	<b>S3</b>
mm.	16	16	M12x1.0	6	20.2	3.5	10.5	14
in.	0.63	0.63		0.24	0.8	0.14	0.41	0.55

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# Recommended By Lemo

## Accessories

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Compatible cap [BRE.1S.200.NAS](#)

## Tools

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Spanner 2 [DCM.65.141.AZ4](#)

Spanner wrench [Socket for torque wrench DCM.1S.M12.4](#)

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