

Standard



Image for illustrative purpose only

Summary

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SE series

Number of contacts Low Voltage	10
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Size	2S
Suggested matching part	FFA.2S.310.CLAC52
Series	S - Indoor Stepped Insert

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ecp-2s-310-cln.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	10
Contact Termination Low voltage	PCB - Straight
R (max)	4.8 mOhm
Insert configuration value	2S.310 - 10 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)
Rated current	7 A
Test voltage (kV DC)	1.2
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	16.17 g

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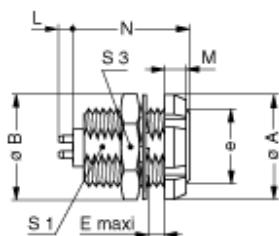
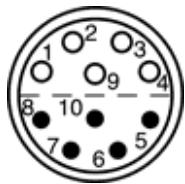
Environment

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

Panel Drill Hole	M15
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Drawings



Dimensions

	N	S1	e	A	B	S3	E	M
mm.	20	13.5	M15x1.0	20	19.5	17	11	3.5
in.	0.79	0.53		0.79	0.77	0.67	0.43	0.14

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Recommended By Lemo

Accessories

Compatible cap	BRE.2S.200.NAS
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Tools

Spanner 2	DCM.65.176.AZ6
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Spanner wrench	Socket for torque wrench DCM.2S.M15.6
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CAD

Documents

PCB	Download
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PCB Eagle	Download
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Kicad	Download
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PCB Altium	Download
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