

Special



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Summary

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[SE series](#)

[Customer Drawing](#)

Number of contacts Low Voltage	3
Socket / Receptacle	Socket / Receptacle - Elbow
Locking system	Push-pull
Size	1S
Suggested matching part	FFA.1S.303.CLAC32
Series	S - Indoor Stepped Insert

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/exp-1s-303-hln.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	3
Contact Termination Low voltage	PCB - Straight
R (max)	4.8 mOhm
Insert configuration value	1S.303 - 3 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Test voltage (kV DC)	1.8
Contact Dia.	0.9 mm (0.0354in)

Form & Material

Shell style / Model id	EXP - Elbow receptacle for printed circuit with two nuts (solder or screw fixing)
Socket / Receptacle	Elbow
Housing material	PPS (Polyphenylene) shell, other pieces nickel plated [SAE AMS QQ N 290] brass
Locking system	Push-pull
Keying	Hermaphroditic keying (half moon insert) with female pin 1
Weight	14.16 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 / +220°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	>144 hr

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Recommended By Lemo

Accessories

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

Tools

Spanner 2 [DCM.65.122.AZ4](#)

Spanner wrench [Socket for torque wrench DCM.65.120.AZ](#)

CAD

Documents

PCB [Download](#)

PCB Eagle [Download](#)

Kicad [Download](#)

PCB Altium [Download](#)

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