

Standard

*Image for illustrative purpose only*

Summary

[Request a quote](#)[SE series](#)[Customer Drawing](#)

Number of contacts Low Voltage	3
Socket / Receptacle	Socket / Receptacle - Elbow
Locking system	Push-pull
Panel Drill Hole	M9
Size	0S
Suggested matching part	FFA.0S.303.CLAC32
Series	S - Indoor Stepped Insert

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/exp-0s-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) - electrical contact resistance	6.1 mOhm
Insert configuration value	0S.303 - 3 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 mm (0.028 in)

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	8.31 g
Panel Drill Hole	M9

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

Caps	
Compatible cap	BRE.OS.200.NAS
Cap 2	BRE.OS.200.NAV
Plastic Cap	BRA.OB.200.PCSG
Tools	
Spanner 2	DCM.65.106.AZ4