

Special



*Image for illustrative purpose only*

## Summary

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[Coax triax mixed en](#)

[Customer Drawing](#)

Nb of contacts Coax	1
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Size	0S
Suggested matching part	<a href="#">FFA.0S.250.NTAC42</a>
Series	S - Indoor Stepped Insert

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/epa-0s-250-ntn.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/epa-0s-250-ntn.html)

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# Technical details

## Electrical Configuration

Nb of contacts Coax	1
Insert configuration value	0S.250 - 1 Coax (50 Ohm)
Footprint IPC Class3 compatibility	Yes
Class3 Productibility Level Compatibility	A (General Design Producibility - Preferred)
Insulator	T: PTFE
Rated current	6 A
Impedance	50 Ohms
VSWR	$1.02 + 0.25 * f/\text{GHz}$
Vtest	3000 V (AC), 4200 V (DC)
Cable type	RG 178 B/U, RG 196 A/U, RG 188 A/U, RG 316 B/U, RG 174 A/U, HF-2114, RG 122 /U
Bucket Dia.	1 mm (0.04in)
Contact Dia.	0.9 mm (0.04in)

## Form & Material

Shell style / Model id	EPA - Fixed receptacle for printed circuit
Socket / Receptacle	Fixed Panel Rear Mounted
Housing material	Brass (nickel plated [SAE AMS QQ N 290]) collet and crimping tube, brass (chrome plated [SAE AMS 2460]) collet nut
Locking system	Push-pull
Keying	Circular, female
Colour	Grey
Weight	4.65 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	>144 hr

## CAD

### Documents

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

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