



*Image for illustrative purpose only*

## Summary

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Nb of contacts Triax	1
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	5.70 - 6.20 mm
Size	1S
Suggested matching part	<a href="#">ERA.1S.650.CTL</a>
Series	S - Indoor Stepped Insert

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/ffa-1s-650-ctac62.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffa-1s-650-ctac62.html)

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# Technical details

## Electrical Configuration

Nb of contacts Triax	1
Contact Termination Triax	Solder
Insert configuration value	1S.650 - 1 Triax (50 Ohm)
Insulator	T: PTFE
Rated current	6 A
Impedance	50 Ohm
VSWR	$1.01 + 0.17 * f/\text{GHz}$
Vtest	1200 V (AC), 1700 V (DC)
Contact Type	Triaxial 50 Ohm (Solder)
Cable type	RGT 178, RGT 174, Belden 9222
Bucket Dia.	0.8
Contact Dia.	0.9 mm (0.035in)

## Form & Material

Shell style / Model id	FFA - Straight plug, cable collet
Plug	Straight
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	Circular, male
Colour	Grey
Weight	12.83 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
Climatical Category	50/175/21
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

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	5.70 - 6.20 mm

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