



## Summary

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Triax	1
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	3.10 - 3.50 mm
Size	0E
Matching parts	<a href="#">ERA.0E.650.CTL</a>
Series	E - Outdoor Stepped Insert

## Technical details

### Electrical Configuration

Triax	1
Contact Termination Triax	Solder
Insert configuration value	0E.650 - 1 Triax (50 Ohm)
Insulator	T: PTFE
Rated current	6 Amps
Impedance	50 Ohm
VSWR	$1.03 + 0.34 * f/\text{GHz}$
Vtest	1200 V (AC), 1690 V (DC)
Contact Type	Solder
Cable type	Cable type: A RGT 178, RGT 174 S

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/ffa-0e-650-ctac35z.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffa-0e-650-ctac35z.html)

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## Form & Material

Shell style / Model id	FFA - Straight plug, cable collet and nut for fitting a bend relief
Plug	Straight
Housing material	Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces
Locking system	Push-pull
Keying	Circular, male
Variant	Nut for fitting a bend relief

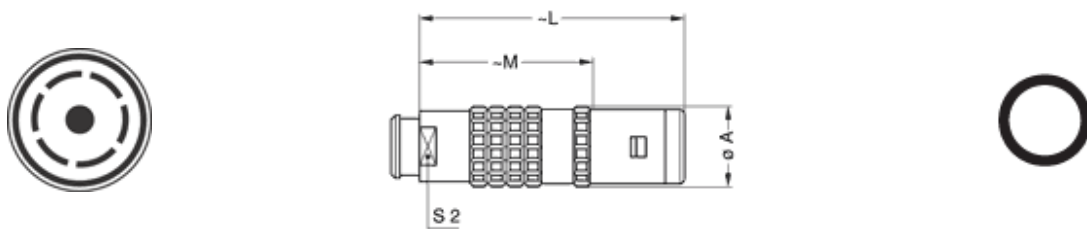
## Environment

Technical domain	Energy and Industrial, Test and Measurement
Environmental protection (IP rating)	IP68
Minimal temperature	-55°C / +200°C
Climatical Category	50/175/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Shielding (min)	95 dB (10 MHz)
Shielding (min)	80 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	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	3.10 - 3.50 mm

## Drawings



[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/ffa-0e-650-ctac35z.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffa-0e-650-ctac35z.html)

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## Dimensions

	<b>A</b>	<b>S2</b>	<b>M</b>	<b>L</b>
mm.	11	7	23	34
in.	0.43	0.28	0.91	1.34

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