



Summary

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Coax	1
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	1.30 - 1.50 mm
Size	1E
Matching parts	ERA.1E.250.CTL
Series	E - Outdoor Stepped Insert

Technical details

Electrical Configuration

Coax	1
Contact Termination Coax	Solder
Insert configuration value	1E.250 - 1 Coax (50 Ohm)
Insulator	T: PTFE
Rated current	12 Amps
Impedance	50 Ohm
VSWR	$1.01 + 0.23 * f/\text{GHz}$
Vtest	3000 V (AC), 4200 V (DC)
Contact Type	Coaxial 50 Ohm (Solder)
Cable type	Cable type: A 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 S
Bucket Dia.	1 mm (0.039in)
Contact Dia.	0.9 mm (0.035in)

https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffa-1e-250-ctac15.html

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Form & Material

Shell style / Model id	FFA - Straight plug, cable collet
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
Weight	24.86 g

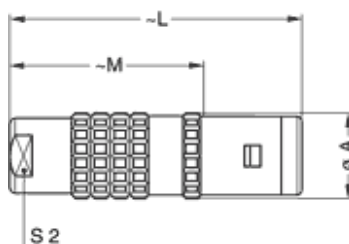
Environment

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	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	1.30 - 1.50 mm

Drawings



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Dimensions

	A	L	M	S2
mm.	13	42	28	9
in.	0.51	1.65	1.1	0.35