



## Summary

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Nb of contacts Coax	1
Locking system	Push-pull
Size	1E
Series	E - Outdoor Stepped Insert

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/swh-1e-250-ctmp.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/swh-1e-250-ctmp.html)

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# Technical details

## Electrical Configuration

Nb of contacts Coax	1
Insert configuration value	1E.250 - 1 Coax (50 Ohm)
Insulator	T: PTFE
Rated current	12 A
Impedance	50 Ohm
VSWR	1.01 + 0.23 * f/GHz
Vtest	3000 V (AC), 4200 V (DC)
Contact Type	Coaxial 50 Ohm
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
Contact Dia.	0.9 mm (0.04in)

## Form & Material

Shell style / Model id	SWH - Fixed coupler, nut fixing, watertight or vacuum-tight
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, female
Variant	Watertight unmated (connector to device)
Weight	43.5 g

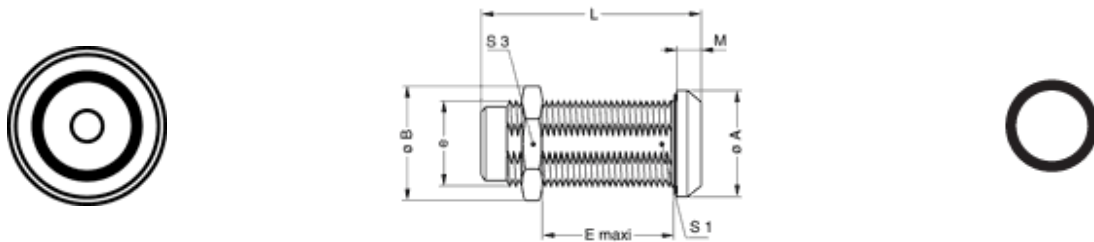
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## Environment

Technical domain	Energy and Industrial, Test and Measurement
Environmental sealing (IP rating)	IP68
Endurance	5000 mating cycles
Temperature range	-20°C / +100°C
Climatical Category	20/80/21
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]
Pressure	60 bars
Salt Spray Corrosion	>1000 hr

## Drawings



## Dimensions

	<b>A</b>	<b>B</b>	<b>e</b>	<b>E</b>	<b>L</b>	<b>M</b>	<b>S1</b>	<b>S3</b>
mm.	20	21.5	M16x1.0	30.5	47	4.5	14.5	19
in.	0.79	0.85		1.2	1.85	0.18	0.57	0.75

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