



## Summary

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Nb of contacts Coax	1
Locking system	Push-pull
Size	4E
Series	E - Outdoor Stepped Insert

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/swh-4e-250-tlmpv.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/swh-4e-250-tlmpv.html)

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# Technical details

## Electrical Configuration

Nb of contacts Coax	1
Insert configuration value	4E.250 - 1 Coax (50 Ohm)
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	36 A
Impedance	50 Ohm
VSWR	1.01 + 1.9 * f/GHz
Vtest	2100 V (AC), 3000 V (DC)
Cable type	RG 214 /U, RG 216 /U, RG 225 /U, RG 225 /U, RG 213/U, RG 115 A/U, RG 11 A/U, RG 144/U, RG 165 /U

## Form & Material

Shell style / Model id	SWH - Fixed coupler, nut fixing, watertight or vacuum-tight
Housing material	Stainless steel 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 / Vacuum-tested unmated (connector to device)
Weight	210.75 g

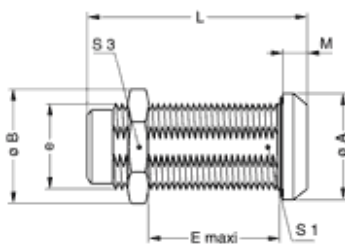
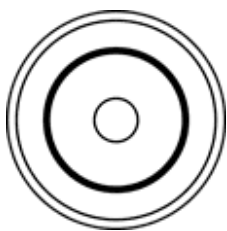
## Environment

Technical domain	Energy and Industrial, Test and Measurement
Environmental sealing (IP rating)	Hermetic unmated
Endurance	5000 mating cycles
Temperature range	-20°C / +80°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	15 bars
R leak (He) (max)	0.0000001 mbar*/s (if vacuum-tested)

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# 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.	37	41.5	M30x1.0	44.5	70	6.5	28.5	36
in.	1.46	1.63		1.75	2.76	0.26	1.12	1.42

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