



## Summary

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Nb of contacts Coax	1
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	2.60 - 22.60 mm
Size	3E
Series	E - Outdoor Stepped Insert

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/era-3e-803-kll1.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/era-3e-803-kll1.html)

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# Technical details

## Electrical Configuration

Nb of contacts Coax	1
Contact Termination Coax	Solder
Insert configuration value	3E.803 - 1 Coax (50 Ohm), 3 Low V.
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	14 A
Impedance	50 Ohm
Vtest	2100 V (AC), 3000 V (DC)
Vtest (contact-shell)	2700 V (AC), 3900 V (DC)
Cable type	RG 174 A/U, RG 188 A/U, RG 316 /U

## Form & Material

Shell style / Model id	ERA - Fixed receptacle, nut fixing
Socket / Receptacle	Fixed Panel Front Mounted
Housing material	Brass (black chrome) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Locking system	Push-pull
Keying	Hermaphroditic keying (half moon insert) with female pin 1
Weight	66.06 g

## Environment

Technical domain	Energy and Industrial, Test and Measurement
Environmental sealing (IP rating)	IP68
Endurance	5000 mating cycles
Temperature range	-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

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/era-3e-803-kl1.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/era-3e-803-kl1.html)

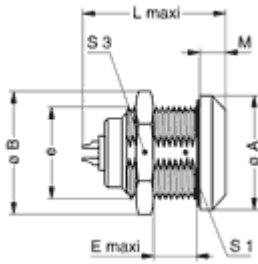
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## Cable fixation

Jacket cable outside diameter [mm]

2.60 - 22.60 mm

## 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.	31	34	M24x1.0	11	34	6	22.5	30
in.	1.22	1.34		0.43	1.34	0.24	0.89	1.18

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/era-3e-803-kl11.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/era-3e-803-kl11.html)

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