



## Summary

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Nb of contacts Thermocouple	6
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Size	2E
Series	E - Outdoor Stepped Insert

## Technical details

### Electrical Configuration

Nb of contacts Thermocouple	6
Contact Termination Thermocouple	Solder
Insert configuration value	2E.903 - 3 Thermocouple Pairs
Insulator	L: PEEK (UL 94 / V-0/1.5)

### Form & Material

Shell style / Model id	ERA - Fixed receptacle, nut fixing
Socket / Receptacle	Fixed Panel Front Mounted
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	3 keys (alpha=42, gamma=30, plug: male contacts, receptacle: female contacts)
Weight	35.06 g

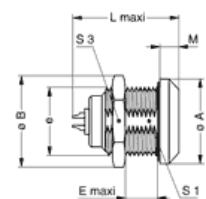
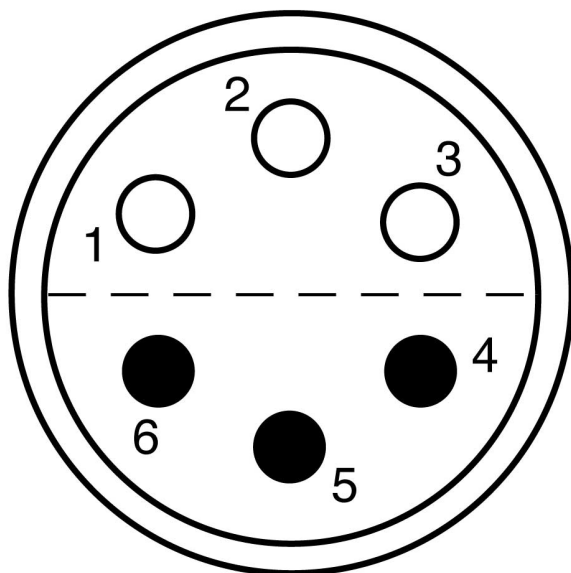
[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/era-2e-903-clk.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/era-2e-903-clk.html)

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## 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

## Drawings



Contact 1, 3, 5: Chromel (+)  
Contact 2, 4, 6: Alumel (-)

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/era-2e-903-clk.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/era-2e-903-clk.html)

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## 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.	25	27.5	M20x1.0	9	28.5	5	18.5	24
in.	0.98	1.08		0.35	1.12	0.2	0.73	0.94

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