



## Summary

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Thermocouple	4
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	6.60 - 7.00 mm
Size	2E
Matching parts	<a href="#">ERA.2E.903.CLK</a>
Series	E - Outdoor Stepped Insert

## Technical details

### Electrical Configuration

Thermocouple	4
Contact Termination Thermocouple	Solder
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	12 Amps

### 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	3 keys (alpha=42, gamma=30, plug: male contacts, receptacle: female contacts)
Weight	42.06 g

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/ffa-2e-902-clkc70.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffa-2e-902-clkc70.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

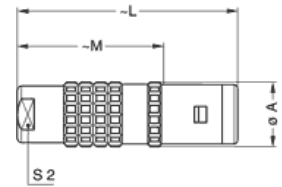
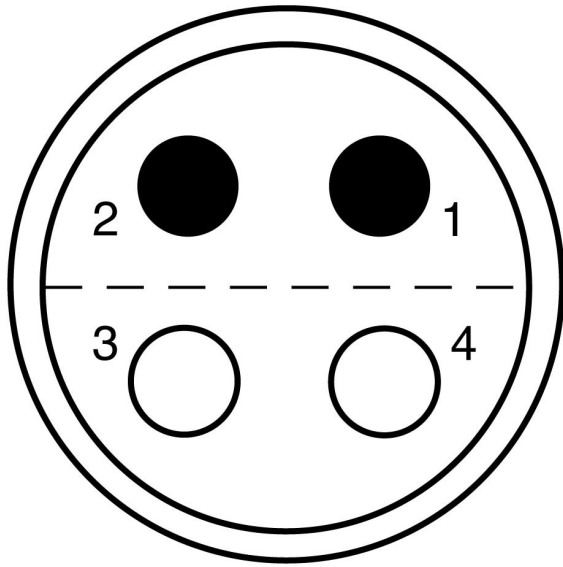
## Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	6.60 - 7.00 mm

# Drawings

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/ffa-2e-902-clkc70.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffa-2e-902-clkc70.html)

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

### Dimensions

	<b>L</b>	<b>M</b>	<b>A</b>	<b>S2</b>
mm.	52	36	16	12
in.	2.05	1.42	0.63	0.47

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