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## Summary

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Nb of contacts Thermocouple	2
Number of contacts Low Voltage	1
Wire Size/AWG	28 - 20
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Size	2S
Suggested matching part	<a href="#">FFA.2S.303.CLKC42</a>
Series	S - Indoor Stepped Insert

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/era-2s-303-clk.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/era-2s-303-clk.html)

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# Technical details

## Electrical Configuration

Contact Termination Low voltage	Solder
Nb of contacts Thermocouple	2
Contact Termination Thermocouple	Solder
Insert configuration value	2S.303 - Thermocouple 1 Pair, 1 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	15 A
ThC. Materials (P+/N-)	Chromel / Alumel
Contact Dia.	1.3
Number of contacts Low Voltage	1
Wire Size/AWG	28 - 20

## 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 and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Locking system	Push-pull
Keying	3 keys (alpha=42, gamma=30, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	12.46 g

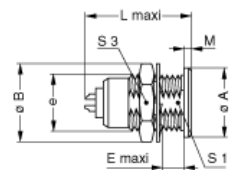
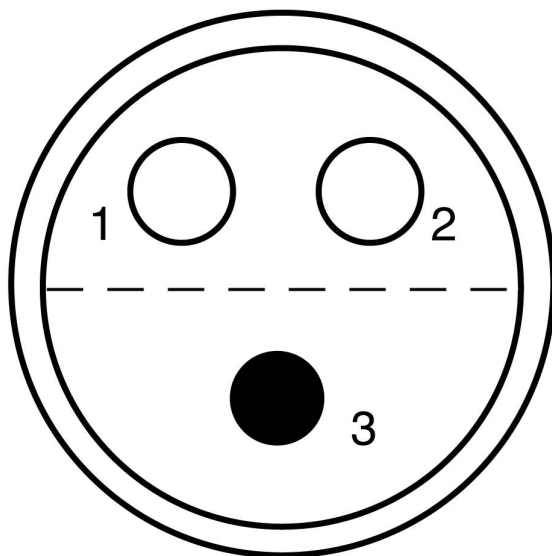
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## Environment

Technical domain	Audio Video, Energy and Industrial, Semiconductor, Test and Measurement
Environmental sealing (IP rating)	IP50
Endurance	5000 mating cycles
Temperature range	-55°C / +250°C
Climatical Category	50/175/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Shielding (min)	75 dB (10 MHz)
Shielding (min)	40 dB (1 GHz)
Shock Resistance	100 g [ 6 ms]
Vibration	15 g [10 Hz - 2000 Hz]
Salt Spray Corrosion	>1000 hr

## Drawings



**Contact 1: Chromel (+)**  
**Contact 2: Alumel (-)**

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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.	18	19.6	M15x1.0	8.5	24.5	1.8	13.5	17
in.	0.71	0.77		0.33	0.96	0.07	0.53	0.67

## Recommended By Lemo

### Accessories

Compatible cap

[BRE.2S.200.NAS](#)

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