



Image for illustrative purpose only

Summary

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Nb of contacts Thermocouple	4
Wire Size/AWG	28 - 20
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Size	2S
Suggested matching part	FFA.2S.902.CLKC52
Series	S - Indoor Stepped Insert

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/era-2s-902-clk.html

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Technical details

Electrical Configuration

Nb of contacts Thermocouple	4
Contact Termination Thermocouple	Solder
Insert configuration value	2S.902/ThC - 2 Thermocouple Pairs
Insulator	L: PEEK (UL 94 / V-0/1.5)
Thermocouple (P+/N-)	Pin 3 / Pin 4
ThC. Materials (P+/N-)	Chromel / Alumel
Contact Dia.	1.3
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	13.41 g

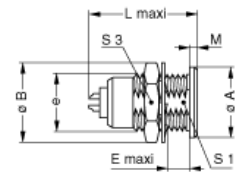
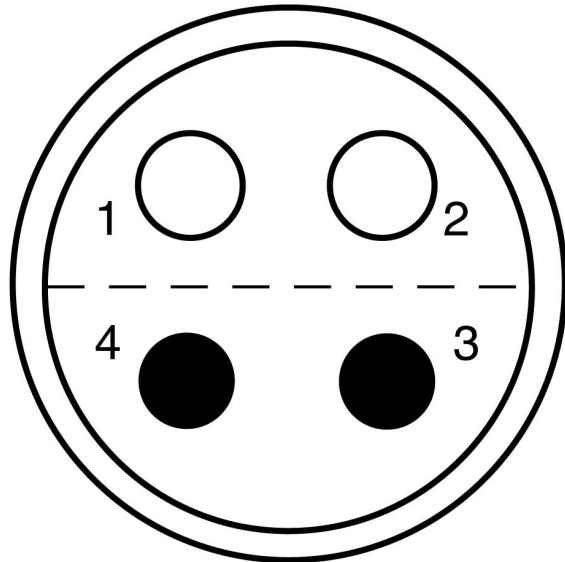
Environment

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

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Drawings



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

Dimensions

	A	B	e	E	L	M	S1	S3
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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