



Summary

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Thermocouple	6
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Size	1S
Series	S - Indoor Stepped Insert

Technical details

Electrical Configuration

Thermocouple	6
Contact Termination Thermocouple	Solder
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	7 Amps

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)
Weight	8.96 g

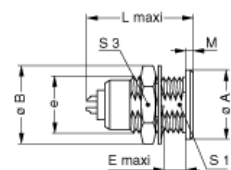
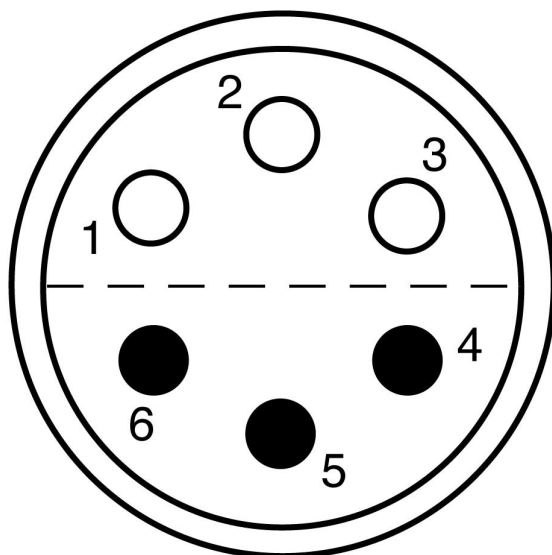
https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/era-1s-903-clk.html

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

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Dimensions

	A	B	e	E	L	M	S1	S3
mm.	14	16	M12x1.0	7.5	21	1.5	10.5	14
in.	0.55	0.63		0.3	0.83	0.06	0.41	0.55

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