



Summary

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Nb of contacts Thermocouple	6
Plug	Plug - Straight
Locking system	Snap-on
Jacket cable outside diameter [mm]	5.70 - 6.20 mm
Size	1S
Suggested matching part	ERA.1S.903.CLK
Series	S - Indoor Stepped Insert

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/fff-1s-903-clk62.html

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Technical details

Electrical Configuration

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

Form & Material

Shell style / Model id	FFF - Straight plug, non-latching, cable collet
Plug	Straight
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	Snap-on
Keying	3 keys (alpha=42, gamma=30, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	20.04 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

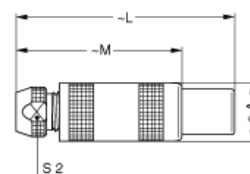
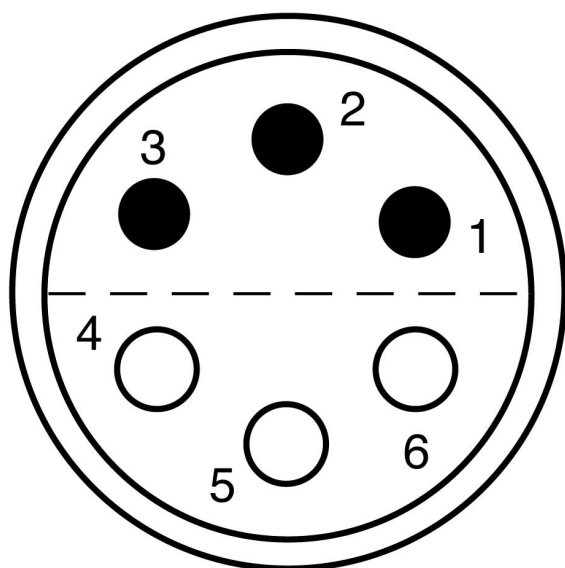
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Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	5.70 - 6.20 mm

Drawings



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

Dimensions

	S2	M	L	A
mm.	8.5	31.5	42.5	12
in.	0.33	1.24	1.67	0.47

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