



Summary

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Thermocouple	6
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Size	2S
Matching parts	FFA.2S.903.TLKP67
Series	S - Indoor Stepped Insert

Technical details

Electrical Configuration

Thermocouple	6
Contact Termination Thermocouple	Solder
Insert configuration value	2S.903/ThC - 3 Thermocouple Pairs
Insulator	L: PEEK (UL 94 / V-0/1.5)

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/pca-2s-903-tlkp67.html

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Form & Material

Shell style / Model id	PCA - Free receptacle, cable collet
Socket / Receptacle	Free
Housing material	Stainless steel 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)
Variant	Brazing collet
Weight	34.59 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	20/80/21
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]
Pressure	40 bars
Salt Spray Corrosion	>144 hr

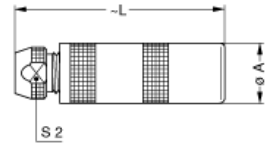
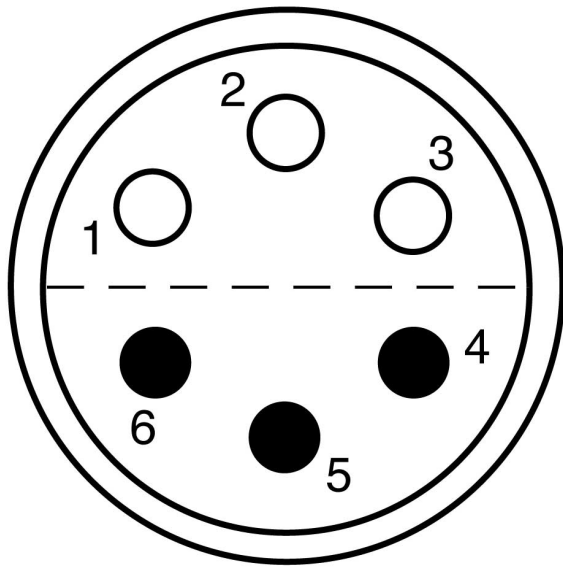
Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet

Drawings

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/pca-2s-903-tlcp67.html

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

Dimensions

	A	L	S2	C
mm.	14.8	50	11	8.5
in.	0.58	1.97	0.43	0.33

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