

Summary

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Thermocouple	4
Wire Size/AWG	30 - 22
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Size	1S
Matching parts	FFA.1S.902.SLEG61
Series	S - Indoor Stepped Insert

Technical details

Electrical Configuration

Thermocouple	4
Insert configuration value	1S.902/ThC - 2 Thermocouple Pairs
Insulator	L: PEEK (UL 94 / V-0/1.5)
ThC. Materials (P+/N-)	Chromel / Constantan
Contact Dia.	0.9
Wire Size/AWG	30 - 22

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/pca-1s-902-sleg61.html

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Form & Material

Shell style / Model id	PCA - Free receptacle, cable collet
Socket / Receptacle	Free
Housing material	Stainless steel 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	19.28 g

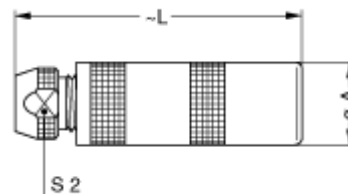
Environment

Technical domain	Audio Video, Energy and Industrial, Semiconductor, Test and Measurement
Environmental protection (IP rating)	IP50
Minimal temperature	-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	>144 hr

Cable fixation

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

Drawings



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Dimensions

	A	L	S2	C
mm.	11.9	40.5	8.5	6.2
in.	0.47	1.59	0.33	0.24

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