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Summary

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Nb of contacts Thermocouple	4
Wire Size/AWG	32 - 24
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Size	0S
Suggested matching part	FFA.0S.902.CLTC42
Series	S - Indoor Stepped Insert

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/era-0s-902-clt.html

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Technical details

Electrical Configuration

Nb of contacts Thermocouple	4
Contact Termination Thermocouple	Solder
Insert configuration value	0S.902/ThC - 2 Thermocouple Pairs
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	7 A
ThC. Materials (P+/N-)	Copper / Constantan
Contact Dia.	0.7
Wire Size/AWG	32 - 24

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	Hermaphroditic keying (half moon insert) with female pin 1
Colour	Grey
Weight	4.12 g

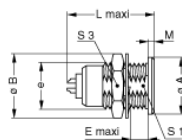
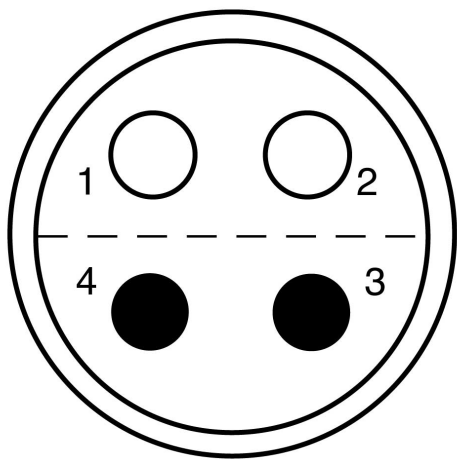
Environment

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 (max. temperature valid for short periods of use.)
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: Copper (+)
Contact 2, 4: Konstantan (-)

Dimensions

	A	B	e	E	L	M	S1	S3
mm.	10	12.5	M9x0.6	7	18.5	1.2	8.2	11
in.	0.39	0.49		0.28	0.73	0.05	0.32	0.43

Recommended By Lemo

Accessories

Compatible cap [BRE.0S.200.NAS](#)