



*Image for illustrative purpose only*

## Summary

[Request a quote](#)

[Catalog](#)

Nb of contacts Thermocouple	4
Wire Size/AWG	32 - 24
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Jacket cable outside diameter [mm]	3.80 - 4.40 mm
Size	0S
Suggested matching part	<a href="#">FFA.0S.902.CLTC44</a>
Series	S - Indoor Stepped Insert

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/pca-0s-902-cltc44.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/pca-0s-902-cltc44.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

# 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	PCA - Free receptacle, cable collet
Socket / Receptacle	Free
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	8.47 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

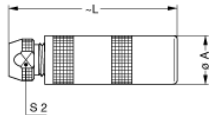
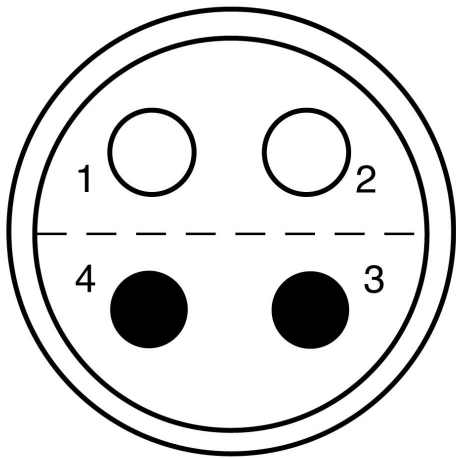
[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/pca-0s-902-cltc44.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/pca-0s-902-cltc44.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	3.80 - 4.40 mm

Drawings



Contact 1, 3: Copper (+)  
Contact 2, 4: Konstantan (-)

Dimensions

	A	L	S2	C
mm.	8.9	33.5	6.5	4.2
in.	0.35	1.32	0.26	0.17

Recommended By Lemo

Accessories

Compatible cap	<a href="#">BRF.0S.200.NAS</a>
----------------	--------------------------------

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/pca-0s-902-cltc44.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/pca-0s-902-cltc44.html)  
LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.