

Special



*Image for illustrative purpose only*

## Summary

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thermocouple

|                             |                                   |
|-----------------------------|-----------------------------------|
| Nb of contacts Thermocouple | 4                                 |
| Wire Size/AWG               | 28 - 20                           |
| Socket / Receptacle         | Socket / Receptacle - Free        |
| Locking system              | Push-pull                         |
| Size                        | 2S                                |
| Suggested matching part     | <a href="#">FFA.2S.902.CLTN67</a> |
| Series                      | S - Indoor Stepped Insert         |

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/pca-2s-902-cltn67.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/pca-2s-902-cltn67.html)

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# Technical details

## Electrical Configuration

|                                  |                                   |
|----------------------------------|-----------------------------------|
| Nb of contacts Thermocouple      | 4                                 |
| Contact Termination Thermocouple | Solder                            |
| Insert configuration value       | 2S.902/ThC - 2 Thermocouple Pairs |
| Insulator                        | L: PEEK (UL 94 / V-0/1.5)         |
| ThC. Materials (P+/N-)           | Copper / Constantan               |
| Contact Dia.                     | 1.3                               |
| Wire Size/AWG                    | 28 - 20                           |

## 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                 | 33.98 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.)       |
| Climatic Category                 | 55/175/21   |
| 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

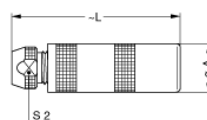
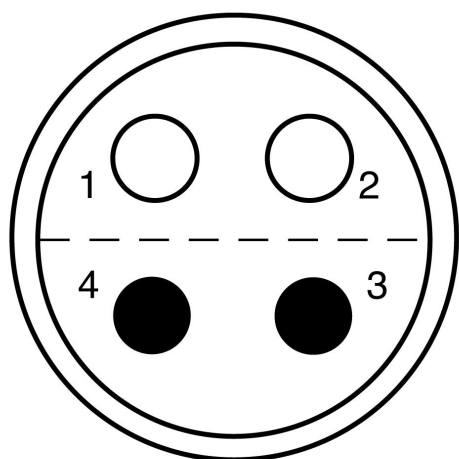
Cable termination protection

Standard back nut (no additional protection)

Fixation type

Cable collet

## Drawings



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

## Dimensions

|     | <b>A</b> | <b>L</b> | <b>S2</b> | <b>C</b> |
|-----|----------|----------|-----------|----------|
| mm. | 14.8     | 50       | 11        | 8.5      |
| in. | 0.58     | 1.97     | 0.43      | 0.33     |

## Recommended By Lemo

### Accessories

Compatible cap

[BRF.2S.200.NAS](#)

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