



*Image for illustrative purpose only*

## Summary

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|                                    |                                   |
|------------------------------------|-----------------------------------|
| Nb of contacts Triax               | 1                                 |
| Socket / Receptacle                | Socket / Receptacle - Free        |
| Locking system                     | Push-pull                         |
| Jacket cable outside diameter [mm] | 5.70 - 6.20 mm                    |
| Size                               | 1S                                |
| Suggested matching part            | <a href="#">FFA.1S.650.CTAC62</a> |
| Series                             | S - Indoor Stepped Insert         |

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/pca-1s-650-ctlc62.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/pca-1s-650-ctlc62.html)

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# Technical details

## Electrical Configuration

|                            |                               |
|----------------------------|-------------------------------|
| Nb of contacts Triax       | 1                             |
| Contact Termination Triax  | Solder                        |
| Insert configuration value | 1S.650 - 1 Triax (50 Ohm)     |
| Insulator                  | T: PTFE                       |
| Rated current              | 6 A                           |
| Impedance                  | 50 Ohm                        |
| OHM                        | 50                            |
| VSWR                       | $1.01 + 0.17 * f/\text{GHz}$  |
| Vtest                      | 1200 V (AC), 1700 V (DC)      |
| Contact Type               | Triaxial 50 Ohm (Solder)      |
| Cable type                 | RGT 178, RGT 174, Belden 9222 |
| Bucket Dia.                | 0.8                           |
| Contact Dia.               | 0.9 mm (0.034in)              |

## 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                 | Circular, female  |
| Colour                 | Grey  |
| Weight                 | 21 g  |

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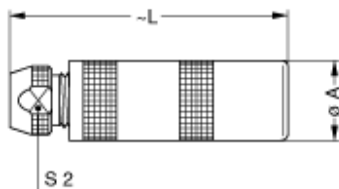
## Environment

|                                   |   |
|-----------------------------------|---|
| 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  |

## Cable fixation

|                                    |  |
|------------------------------------|--|
| Cable termination protection       | Standard back nut (no additional protection) |
| Fixation type                      | Cable collet                                 |
| Jacket cable outside diameter [mm] | 5.70 - 6.20 mm                               |

## Drawings



## Dimensions

|     | <b>A</b> | <b>L</b> | <b>S2</b> | <b>C</b> |
|-----|----------|----------|-----------|----------|
| mm. | 11.9     | 40.5     | 8.5       | 6.2      |
| in. | 0.47     | 1.59     | 0.33      | 0.24     |

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# Recommended By Lemo

## Accessories

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Compatible cap

[BRF.1S.200.NAS](#)

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