



## Summary

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|                                    |   |
|------------------------------------|---|
| Nb of contacts Coax                | 1   |
| Socket / Receptacle                | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system                     | Push-pull                                       |
| Jacket cable outside diameter [mm] | 1.00 - 10.60 mm                                 |
| Size                               | 1S  |
| Matching parts                     | <a href="#">FFA.1S.250.CTAC22</a>               |
| Series                             | S - Indoor Stepped Insert                       |

## Technical details

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/era-1s-250-ctl.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/era-1s-250-ctl.html)

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## Electrical Configuration

|                            |  |
|----------------------------|--|
| Nb of contacts Coax        | 1  |
| Contact Termination Coax   | Solder   |
| Insert configuration value | 1S.250 - 1 Coax (50 Ohm)   |
| Insulator                  | T: PTFE  |
| Rated current              | 12 Amps  |
| Impedance                  | 50 Ohm   |
| VSWR                       | 1.01 + 0.23 * f/GHz  |
| Vtest                      | 3000 V (AC), 4200 V (DC)   |
| Contact Type               | Coaxial 50 Ohm (Solder)  |
| Cable type                 | Cable type: A RG 178 B/U, RG 196 A/U, RG 188 A/U, RG 316 B/U, RG 174 A/U, HF-2114, RG 122 /U S |
| Bucket Dia.                | 1.4 mm (0.055in)   |
| Contact Dia.               | 1.6 mm (0.063in)   |

## 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                 | Circular, female  |
| Weight                 | 8.53 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  |

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## Cable fixation

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Jacket cable outside diameter [mm]

1.00 - 10.60 mm

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# Recommended By Lemo

## Accessories

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## Tools

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Spanner wrench

[Socket for torque wrench DCM.1S.M12.4](#)

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/era-1s-250-ctl.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/era-1s-250-ctl.html)

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# Cables

| Cable PartNumber    | Material  | Colour | Cable image  |
|---------------------|-----------|--------|--|
| 158480              | PUR       | Black  |    |
| 158490              | PVC       | Black  |     |
| 159580              | PVC       | Black  |     |
| 17420               | PVC       | Black  |    |
| 17450               | COPOLYMER | Black  |    |
| 178190              | PTFE      | Brown  |  |
| 18000               | PTFE      | Brown  |    |
| 18700               | PTFE      | White  |    |
| 18800               | PTFE      | White  |  |
| 196270              | PTFE      | White  |  |
| 311100              | PVC       | Black  |     |
| 31600               | PTFE      | Brown  |  |
| 62000               | PVC       | Black  |     |
| CCX.50.030.083.180B |           | white  |  |
| CCX.50.080.297538N  | PVC       | Black  |  |
| CCX.50.088.292495N  | PVC       | Black  |  |
| CCX.50.RG0.58AU14B  | FEP       | white  |  |
| CCX.50.RG0.58AU61J  | PVC       | Yellow |  |
| CCX.50.RG1.74-U25N  | PVC       | Black  |  |
| CCX.50.RG1.74AU28N  | PVC       | Black  |  |
| CCX.50.RG1.74AU28N  | PVC       | Black  |  |
| CCX.50.RG1.74U25N   | PVC       | Black  |  |
| CCX.50.RG1.78BU18M  | FEP       | Brown  |  |
| CCX.50.RG1.78BU18M  | PTFE      | Brown  |  |
| CCX.50.RG1.88AU24B  | TFE       | white  |  |
| CCX.50.RG1.88AU26B  | PFA       | White  |  |
| CCX.50.RG1.88AU26B  | PTFE      | White  |  |
| CCX.50.RG1.96AU19B  | PTFE      | White  |  |
| CCX.50.RG1.96AU20B  | PFA       | White  |  |
| CCX.50.RG3.16BU26M  | FEP       | Brown  |  |
| CCX.50.RG3.16U28M   | PTFE      | Brown  |  |
| CCX.50.RG5.8CU50N   | PVC       | Black  |  |
| CCX.75.040.195327G  | PVC       | Grey   |  |
| CCX.75.RG0.11AU10N  | PVC       | Black  |   |
| CCX.75.RG0.59BU62N  | PVC       | Black  |   |
| CCX.75.RG1.79BU26M  | FEP       | Brown  |  |
| CCX.75.RG1.87AU26B  | PFA       | White  |  |
| CCX.75.RG1.87AU27B  | PTFE      | White  |  |
| CCX.93.RG0.62AU62N  | PVC       | Black  |   |
| CCX.95.RG1.80BU36M  | PTFE      | Brown  |  |
| CCX.95.RG1.95AU37B  | PFA       | White  |  |

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