



*Image for illustrative purpose only*

## Summary

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|                                    |                                    |
|------------------------------------|------------------------------------|
| Nb of contacts Coax                | 1                                  |
| Plug                               | Plug - Straight                    |
| Locking system                     | Push-pull                          |
| Jacket cable outside diameter [mm] | 2.20 - 3.20 mm                     |
| Size                               | 1S                                 |
| Suggested matching part            | <a href="#">ERA.1S.250.CTL</a>     |
| Alternative part                   | <a href="#">FFA.1S.250.CTAC32Z</a> |
| Series                             | S - Indoor Stepped Insert          |

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/ffa-1s-250-ctac27z.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffa-1s-250-ctac27z.html)

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# Technical details

## 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 A   |
| Impedance                  | 50 Ohm   |
| OHM                        | 50   |
| VSWR                       | 1.01 + 0.23 * f/GHz  |
| Vtest                      | 3000 V (AC), 4200 V (DC)   |
| Contact Type               | Coaxial 50 Ohm (Solder)  |
| Cable type                 | 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 |
| Bucket Dia.                | 1.4 mm (0.055in)   |
| Contact Dia.               | 1.6 mm (0.063in)   |

## Form & Material

|                        |   |
|------------------------|---|
| Shell style / Model id | FFA - Straight plug, cable collet and nut for fitting a bend relief   |
| Plug                   | Straight  |
| 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, male  |
| Colour                 | Grey  |
| Variant                | Nut for fitting a bend relief   |
| Weight                 | 19.62 g   |

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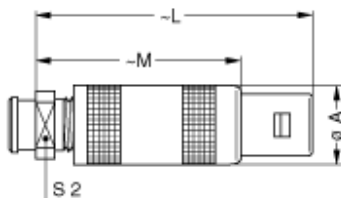
## Environment

|                                   |   |
|-----------------------------------|---|
| 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       | For cable bend relief |
| Fixation type                      | Cable collet          |
| Jacket cable outside diameter [mm] | 2.20 - 3.20 mm        |

## Drawings



## Dimensions

|     | <b>A</b> | <b>L</b> | <b>M</b> | <b>S2</b> |
|-----|----------|----------|----------|-----------|
| mm. | 12       | 42.5     | 31.5     | 9         |
| in. | 0.47     | 1.67     | 1.24     | 0.35      |

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# Recommended By Lemo

## Accessories

Compatible cap

[BFG.1B.100.PCZG](#)

## Cables

| Cable PartNumber   | Material  | Colour | Cable image   |
|--------------------|-----------|--------|---|
| 17420              | PVC       | Black  |    |
| 17450              | COPOLYMER | Black  |    |
| 18700              | PTFE      | White  |    |
| 18800              | PTFE      | White  |   |
| 31600              | PTFE      | Brown  |   |
| CCX.50.RG0.58AU14B | FEP       | white  |   |
| 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.RG1.88AU24B | TFE       | white  |   |
| CCX.50.RG1.88AU26B | PFA       | White  |   |
| CCX.50.RG1.88AU26B | PTFE      | White  |   |
| CCX.50.RG3.16BU26M | FEP       | Brown  |   |
| CCX.50.RG3.16U28M  | PTFE      | Brown  |   |
| CCX.75.RG1.79BU26M | FEP       | Brown  |   |
| CCX.75.RG1.87AU26B | PFA       | White  |   |
| CCX.75.RG1.87AU27B | PTFE      | White  |  |

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