

Standard

*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] | 3.10 - 3.50 mm                                                      |
| Size                               | 1E                                                                  |
| Suggested matching part            | <a href="#">ERA.1E.250.CLL</a><br><a href="#">PCA.1E.250.CLLC35</a> |
| Series                             | E - Outdoor Stepped Insert                                          |

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/ffa-1e-250-clac35.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffa-1e-250-clac35.html)

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# Technical details

## Electrical Configuration

|                                             |                                                                                |
|---------------------------------------------|--------------------------------------------------------------------------------|
| Nb of contacts Coax                         | 1                                                                              |
| Contact Termination Coax - Conductor fixing | Solder                                                                         |
| Insert configuration value                  | 1E.250 - 1 Coax (50 Ohm)                                                       |
| Insulator                                   | L: PEEK (UL 94 / V-0/1.5)                                                      |
| Rated current                               | 12 A                                                                           |
| Impedance                                   | 50 Ohms                                                                        |
| VSWR                                        | 1.01 + 0.23 * f/GHz                                                            |
| Vtest                                       | 3000 V (AC), 4200 V (DC)                                                       |
| 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 mm (0.039in)                                                                 |
| Contact Dia.                                | 0.9 mm (0.035in)                                                               |

## Form & Material

|                        |                                                                                                                            |
|------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Shell style / Model id | FFA - Straight plug, cable collet                                                                                          |
| Plug                   | Straight                                                                                                                   |
| Housing material       | Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces |
| Locking system         | Push-pull                                                                                                                  |
| Keying                 | Circular, male                                                                                                             |
| Colour                 | Grey                                                                                                                       |
| Weight                 | 23.72 g                                                                                                                    |

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## Environment

|                                   |                                                                   |
|-----------------------------------|-------------------------------------------------------------------|
| Technical domain                  | Energy and Industrial, Test and Measurement                       |
| Environmental sealing (IP rating) | IP68                                                              |
| Endurance                         | 5000 mating cycles                                                |
| Temperature range                 | -55°C / +200°C (max. temperature valid for short periods of use.) |
| Climatic Category                 | 50/175/21                                                         |
| Humidity (max)                    | <=95% [at 60 deg C /140 F]                                        |
| Shielding (min)                   | 95 dB (10 MHz)                                                    |
| Shielding (min)                   | 80 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] | 3.10 - 3.50 mm                               |

# Recommended By Lemo

## Accessories

|                |                                |
|----------------|--------------------------------|
| Compatible cap | <a href="#">BFA.1E.100.NAS</a> |
|----------------|--------------------------------|

# Cables

| Cable PartNumber   | Material | Colour | Cable image |
|--------------------|----------|--------|-------------|
| CCX.75.040.195327G | PVC      | Grey   |             |

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