



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] | 3.60 - 4.00 mm |
| Size | 0E |
| Suggested matching part | ERA.0E.250.CTL |
| Series | E - Outdoor Stepped Insert |

https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffa-0e-250-ctac40.html

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Technical details

Electrical Configuration

| | |
|---------------------------------------------|--------------------------------------------------------------------------------|
| Nb of contacts Coax | 1 |
| Contact Termination Coax - Conductor fixing | Solder |
| Insert configuration value | 0E.250 - 1 Coax (50 Ohm) |
| Insulator | T: PTFE |
| Rated current | 6 A |
| Impedance | 50 Ohm |
| OHM | 50 |
| VSWR | $1.02 + 0.25 * f/\text{GHz}$ |
| 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 | 12.16 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.) |
| Climatical 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] | 3.60 - 4.00 mm |

Recommended By Lemo

Accessories

| | |
|----------------|--------------------------------|
| Compatible cap | BFA.0E.100.NAS |
|----------------|--------------------------------|

Cables

| Cable PartNumber | Material | Colour | Cable image |
|--------------------|----------|--------|---------------------------------------------------------------------------------------|
| 18000 | PTFE | Brown |  |
| CCX.95.RG1.80BU36M | PTFE | Brown |  |
| CCX.95.RG1.95AU37B | PFA | White | |

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