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Summary

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| | |
|------------------------------------|--------------------------------|
| Nb of contacts Triax | 1 |
| Plug | Plug - Straight |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 4.10 - 4.50 mm |
| Size | 1E |
| Suggested matching part | ERA.1E.650.CTL |
| Series | E - Outdoor Stepped Insert |

https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffa-1e-650-ctac45z.html

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Technical details

Electrical Configuration

| | |
|----------------------------|------------------------------|
| Nb of contacts Triax | 1 |
| Contact Termination Triax | Solder |
| Insert configuration value | 1E.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), 1690 V (DC) |
| Contact Type | Solder |
| Cable type | RGT 178, RGT 174,Belden 9222 |

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, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces |
| Locking system | Push-pull |
| Keying | Circular, male |
| Colour | Grey |
| Variant | Nut for fitting a bend relief |
| Weight | 23.64 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 |
| 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 | For cable bend relief |
| Fixation type | Cable collet |
| Jacket cable outside diameter [mm] | 4.10 - 4.50 mm |

Recommended By Lemo

Accessories

| | |
|----------------|--------------------------------|
| Compatible cap | BFA.1E.100.NAS |
|----------------|--------------------------------|

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