



Summary

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| | |
|------------------------------------|--------------------------------|
| Coax | 1 |
| Plug | Plug - Elbow |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 3.80 - 4.40 mm |
| Matching parts | ERA.0S.250.CTL |
| Series | S - Indoor Stepped Insert |

Technical details

Electrical Configuration

| | |
|----------------------------|------------------------------|
| Coax | 1 |
| Contact Termination Coax | Solder |
| Insert configuration value | 0S.250 - 1 Coax (50 Ohm) |
| Insulator | T: PTFE |
| Rated current | 6 Amps |
| Impedance | 50 Ohm |
| VSWR | $1.02 + 0.25 * f/\text{GHz}$ |
| Vtest | 3000 V (AC), 4200 V (DC) |
| Contact Type | Coaxial 50 Ohm (Solder) |
| Cable type | 10360 |
| Bucket Dia. | 1 mm (0.039in) |
| Contact Dia. | 0.9 mm (0.035in) |

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/fla-0s-250-ctac42.html

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Form & Material

| | |
|------------------------|---|
| Shell style / Model id | FLA - Elbow plug, cable collet |
| Plug | Elbow |
| 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 |
| Weight | 13.83 g |

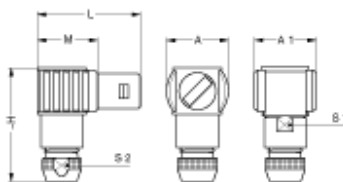
Environment

| | |
|--------------------------|---|
| Technical domain | Audio Video, Energy and Industrial, Semiconductor, Test and Measurement |
| Environmental protection | IP50 |
| Minimal temperature | -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 | >144 hr |

Cable fixation

| | |
|------------------------------------|--|
| Cable termination protection | Standard back nut (no additional protection) |
| Fixation type | Cable collet |
| Jacket cable outside diameter [mm] | 3.80 - 4.40 mm |

Drawings



https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/fla-0s-250-ctac42.html

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Dimensions

| | A | H | L | M | S1 | S2 | A1 |
|-----|------|------|------|------|------|------|------|
| mm. | 13 | 24.5 | 23 | 13 | 8 | 6.5 | 13 |
| in. | 0.51 | 0.96 | 0.91 | 0.51 | 0.31 | 0.26 | 0.51 |