



Summary

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| | |
|----------------|---------------------------|
| Coax | 1 |
| Locking system | Push-pull |
| Size | 1S |
| Series | S - Indoor Stepped Insert |

Technical details

Electrical Configuration

| | |
|----------------------------|--|
| Coax | 1 |
| Insert configuration value | 1S.250 - 1 Coax (50 Ohm) |
| Insulator | T: PTFE |
| Rated current | 12 Amps |
| Impedance | 50 Ohm |
| VSWR | $1.01 + 0.23 * f/\text{GHz}$ |
| Vtest | 3000 V (AC), 4200 V (DC) |
| Contact Type | Coaxial 50 Ohm |
| Cable type | Cable type: A 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 S |
| Contact Dia. | 1.6 mm (0.06in) |

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/abf-1s-250-nta.html

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Form & Material

| | |
|------------------------|--|
| Shell style / Model id | ABF - Adapter socket LEMO - plug BNC |
| Housing material | Brass (nickel plated [SAE AMS QQ N 290]) collet and crimping tube, brass (chrome plated [SAE AMS 2460]) collet nut |
| Locking system | Push-pull |
| Keying | Circular, male |
| Weight | 17.47 g |

Environment

| | |
|--------------------------------------|---|
| Technical domain | Audio Video, Energy and Industrial, Semiconductor, Test and Measurement |
| Environmental protection (IP rating) | 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) |
|------------------------------|--|

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