



Image for illustrative purpose only

Summary

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| | |
|------------------------------------|---|
| Nb of contacts Coax | 1 |
| Socket / Receptacle | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 4.30 - 5.20 mm |
| Size | 2S |
| Suggested matching part | FFA.2S.250.CTAC52 |
| Series | S - Indoor Stepped Insert |

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/psa-2s-250-ctlc52.html

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Technical details

Electrical Configuration

| | |
|----------------------------|---|
| Nb of contacts Coax | 1 |
| Contact Termination Coax | Solder |
| Insert configuration value | 2S.250 - 1 Coax (50 Ohm) |
| Insulator | T: PTFE |
| Rated current | 15 A |
| Impedance | 50 Ohm |
| OHM | 50 |
| VSWR | $1.02 + 0.95 * f/\text{GHz}$ |
| Vtest | 3000 V (AC), 4200 V (DC) |
| Contact Type | Coaxial 50 Ohm (Solder) |
| Cable type | RG 58 C/U, RG 302 /U, RG 400 /U, 2YCCY, RG 59 B/U, RG 223 /U, HF-5408 |
| Bucket Dia. | 1.8 mm (0.071in) |
| Contact Dia. | 2 mm (0.079in) |

Form & Material

| | |
|------------------------|---|
| Shell style / Model id | PSA - Fixed receptacle, nut fixing, cable collet |
| Socket / Receptacle | Fixed Panel Front Mounted |
| 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, female |
| Colour | Grey |
| Weight | 31.5 g |

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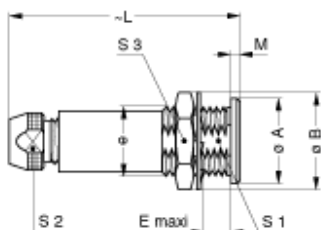
Environment

| | |
|-----------------------------------|---|
| Technical domain | Audio Video, Energy and Industrial, Semiconductor, Test and Measurement |
| Environmental sealing (IP rating) | IP50 |
| Endurance | 5000 mating cycles |
| Temperature range | -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 | >1000 hr |

Cable fixation

| | |
|------------------------------------|--|
| Cable termination protection | Standard back nut (no additional protection) |
| Fixation type | Cable collet |
| Jacket cable outside diameter [mm] | 4.30 - 5.20 mm |

Drawings



Dimensions

| | A | B | e | E | L | M | S1 | S2 | S3 | C |
|-----|------|------|---------|------|------|------|------|------|------|------|
| mm. | 18 | 19.5 | M15x1.0 | 8.5 | 50 | 1.8 | 13.5 | 11 | 17 | 8.5 |
| in. | 0.71 | 0.77 | | 0.33 | 1.97 | 0.07 | 0.53 | 0.43 | 0.67 | 0.33 |

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Recommended By Lemo

Accessories

Compatible cap

[BRA.2B.200.PCSG](#)

Cables

| Cable PartNumber | Material | Colour | Cable image |
|--------------------|----------|--------|---|
| 158480 | PUR | Black |  |
| 158490 | PVC | Black |  |
| CCX.50.088.292495N | PVC | Black | |
| CCX.50.RG5.8CU50N | PVC | Black | |

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