

SUMMARY



Image is for illustrative purpose only

Wires

| | |
|---------|---|
| Low | 0 |
| High | 0 |
| Coax | 1 |
| Triax | 0 |
| Quad | 0 |
| Fiber | 0 |
| Fluidic | 0 |

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| | |
|------------------|----------------|
| Series | 1S |
| Termination type | Male solder |
| IP rating | 50 |
| Cable Ø | 4.20 - 5.20 mm |
| Matching parts | ERA.1S.250.CLL |
| Status | active |
| Alternative part | |

TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | FFA*: Straight plug, cable collet |
| Keying | Circular (can rotate), plug has male contact(s) |
| Housing Material | Brass (chrome plated) shell and collet nut, nickel plated brass latch sleeve and mid pieces |
| Cable Fixing | C52: 4.2 - 5.2 mm |
| Variant | |
| Weight | 17.76 g |

Performance

| | |
|---------------|--|
| Configuration | 1S.250 : 1 Coax (50 Ohm) |
| Insulator | L: PEEK (UL 94 / V-0/3.2, depends on material thickness) |
| Rated Current | 12 Amps |

Specifications

| | |
|---------------|-------------------------|
| Contact Type: | Coaxial 50 Ohm (Solder) |
| Max. Matings: | 1000 |
| Contact Dia.: | 1.6 mm (0.063in) |

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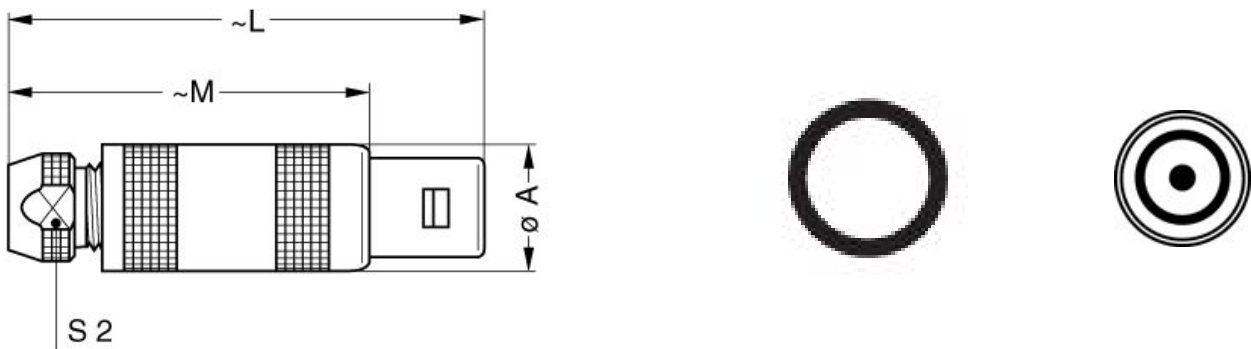
Bucket Dia.: 1.4 mm (0.055in)
 Vtest: 3000 V (AC), 4200 V (DC)
 Impedance: 50 Ohm
 VSWR: $1.01 + 0.23 * f/\text{GHz}$
 Cable type: RG 178 B/U, RG 196 A/U, RG 188 A/U, RG 316 B/U, RG 174 A/U, HF-2114, RG 122 /U

Others

Endurance (Shell): 5000 mating cycles
 Temp (min / max): $-55^{\circ}\text{C} / +250^{\circ}\text{C}$
 Humidity (max): $\leq 95\%$ [at $60^{\circ}\text{C} / 140^{\circ}\text{F}$]
 Vibration: 15 g [10 Hz - 2000 Hz]
 Shock Resistance: 100 g [6 ms]
 Salt Spray Corrosion: >144 hr
 Climatical Category: 50/175/21
 Shielding (min): 75 dB (10 MHz)
 Shielding (min): 40 dB (1 GHz)
 IP Rating: 50

DRAWINGS

Draws



Dimensions

| | A | L | M | S2 |
|-----|------|------|------|------|
| mm. | 12 | 42.5 | 31.5 | 8.5 |
| in. | 0,47 | 1,67 | 1,24 | 0,33 |


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RECOMMENDED BY LEMO

Tools

Spanner wrench: DCD.1S.015.PA085

Cables

| | | | |
|--------------------|-----|-------|--|
| 158 480 | PUR | Black |  |
| 158 490 | PVC | Black | |
| CCX.50.088.292495N | PVC | Black | |
| CCX.50.RG5.8CU50N | PVC | Black | |

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