



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] | 1.30 - 14.60 mm |
| Size | 1E |
| Suggested matching part | FFA.1E.275.CLAC15 |
| Series | E - Outdoor Stepped Insert |

https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/hgp-1e-275-ctlpv.html

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Technical details

Electrical Configuration

| | |
|----------------------------|---|
| Nb of contacts Coax | 1 |
| Contact Termination Coax | Solder |
| Insert configuration value | 1E.275 - 1 Coax (75 Ohm) |
| Insulator | T: PTFE |
| Rated current | 10 A |
| Impedance | 75 Ohm |
| VSWR | 1.02 + 0.08 * f/GHz |
| Vtest | 2400 V (AC), 3300 V (DC) |
| Contact Type | Solder |
| Cable type | RG 179 B/U, RG 187 A/U, RG 58 C/U, RG 302 /U, RG 400 /U, 2YCCY, RG 59 B/U, RG 223 /U, HF-5408 |

Form & Material

| | |
|------------------------|--|
| Shell style / Model id | HGP - Fixed receptacle, nut fixing, watertight or vacuum-tight |
| Socket / Receptacle | Fixed Panel Front Mounted |
| 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, female |
| Variant | Watertight / Vacuum-tested unmated (connector to device) |
| Weight | 21.56 g |

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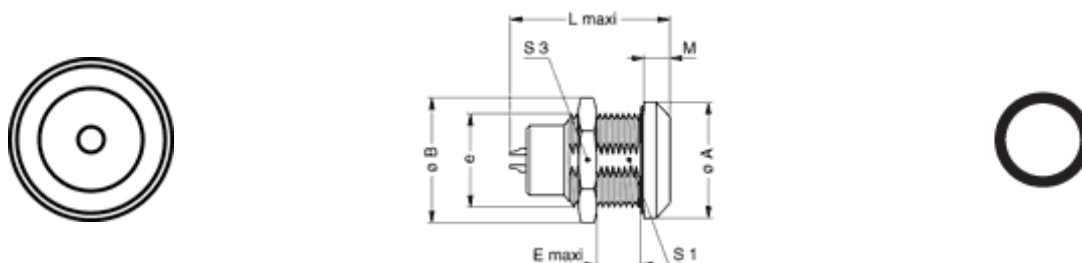
Environment

| | |
|-----------------------------------|---|
| Technical domain | Energy and Industrial, Test and Measurement |
| Environmental sealing (IP rating) | Hermetic unmated |
| Endurance | 5000 mating cycles |
| Temperature range | -20°C / +100°C |
| Climatical Category | 20/80/21 |
| 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] |
| Pressure | 60 bars |
| R leak (He) (max) | 0.0000001 mbar*/l/s (if vacuum-tested) |
| Salt Spray Corrosion | >1000 hr |

Cable fixation

| | |
|------------------------------------|-----------------|
| Jacket cable outside diameter [mm] | 1.30 - 14.60 mm |
|------------------------------------|-----------------|

Drawings



Dimensions

| | A | B | e | E | L | M | S1 | S3 |
|-----|----------|----------|----------|----------|----------|----------|-----------|-----------|
| mm. | 20 | 21.5 | M16x1.0 | 9 | 29.1 | 4.5 | 14.5 | 19 |
| in. | 0.79 | 0.85 | | 0.35 | 1.15 | 0.18 | 0.57 | 0.75 |

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