



Image for illustrative purpose only

Summary

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| | |
|------------------------------------|---|
| Nb of contacts Triax | 1 |
| Socket / Receptacle | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 1.00 - 10.60 mm |
| Size | 1S |
| Suggested matching part | FFA.1S.650.CLAC47 |
| Series | S - Indoor Stepped Insert |

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ern-1s-650-cll.html

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Technical details

Electrical Configuration

| | |
|----------------------------|-------------------------------|
| Nb of contacts Triax | 1 |
| Contact Termination Triax | Solder |
| Insert configuration value | 1S.650 - 1 Triax (50 Ohm) |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 6 A |
| Impedance | 50 Ohm |
| OHM | 50 |
| VSWR | $1.01 + 0.17 * f/\text{GHz}$ |
| Vtest | 1200 V (AC), 1700 V (DC) |
| Contact Type | Triaxial 50 Ohm (Solder) |
| Cable type | RGT 178, RGT 174, Belden 9222 |
| Bucket Dia. | 0.8 |
| Contact Dia. | 0.9 mm (0.034in) |

Form & Material

| | |
|------------------------|---|
| Shell style / Model id | ERN - Fixed receptacle, nut fixing, with grounding tab |
| 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 | 8.73 g |

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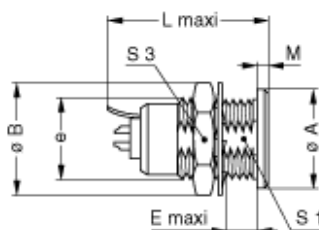
Environment

| | |
|-----------------------------------|---|
| 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

| | |
|------------------------------------|-----------------|
| Jacket cable outside diameter [mm] | 1.00 - 10.60 mm |
|------------------------------------|-----------------|

Drawings



Recommended By Lemo

Accessories

Compatible cap

[BRE.1S.200.NAS](#)

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