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Summary

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| | |
|------------------------------------|---|
| Number of contacts High Voltage | 2 |
| Socket / Receptacle | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 6.10 - 7.00 mm |
| Size | 4S |
| Series | S - Indoor Stepped Insert |

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/psa-4s-442-cllc72.html

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Technical details

Electrical Configuration

| | |
|----------------------------------|----------------------------|
| Number of contacts High Voltage | 2 |
| Contact Termination High voltage | Solder |
| Insert configuration value | 4S.442 - 2 High Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 8 A |
| Max. Dielectric Dia. | 1.3 mm (0.051in) |
| Vtest | 10500 V (AC), 15000 V (DC) |

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 | Hermaphroditic keying (half moon insert) with female pin 1 |
| Colour | Grey |
| Weight | 146.88 g |

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 (max. temperature valid for short periods of use.) |
| 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 |

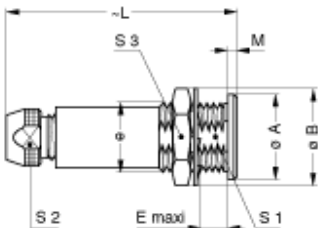
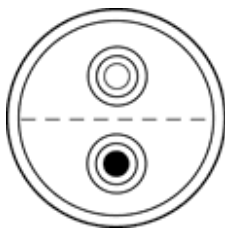
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Cable fixation

| | |
|------------------------------------|--|
| Cable termination protection | Standard back nut (no additional protection) |
| Fixation type | Cable collet |
| Jacket cable outside diameter [mm] | 6.10 - 7.00 mm |

Drawings



Dimensions

| | A | B | e | E | L | M | S1 | S2 | S3 |
|-----|-----|------|---------|------|------|-----|------|------|------|
| mm. | 28 | 32 | M25x1.0 | 12 | 75 | 2.5 | 23.5 | 19 | 30 |
| in. | 1.1 | 1.26 | | 0.47 | 2.95 | 0.1 | 0.93 | 0.75 | 1.18 |