



Summary

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| | |
|------------------------------------|---|
| Number of contacts Low Voltage | 3 |
| Wire Size/AWG | 32 - 24 |
| Socket / Receptacle | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 1.30 - 2.20 mm |
| Size | 0S |
| Matching parts | FFA.0S.303.CLAC22 |
| Series | S - Indoor Stepped Insert |

Technical details

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/psa-0s-303-cllc22.html

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Electrical Configuration

| | |
|---------------------------------|-------------------------------|
| Contact Termination Low voltage | Solder |
| R (max) | 6.1 mOhm |
| Insert configuration value | 0S.303 - 3 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 7 Amps |
| Vtest | 1060 V (AC), 1500 V (DC) |
| Contact Type | Solder |
| Max. Solid Conductor | 0.25 mm ² (AWG 24) |
| Max. Stranded Conductor | 0.14 mm ² (AWG 26) |
| Bucket Dia. | 0.6 mm (0.024in) |
| Contact Dia. | 0.7 mm (0.028in) |
| Number of contacts Low Voltage | 3 |
| Wire Size/AWG | 32 - 24 |

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 |
| Weight | 8.06 g |

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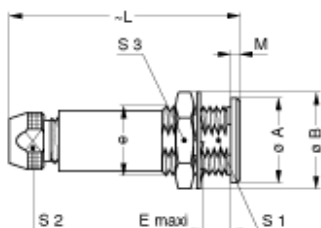
Environment

| | |
|-----------------------------------|---|
| 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] | 1.30 - 2.20 mm |

Drawings



Dimensions

| | A | B | e | E | L | M | S1 | S2 | S3 | C |
|-----|------|------|--------|------|------|------|------|------|------|------|
| mm. | 10 | 12.5 | M9x0.6 | 7 | 33.5 | 1.2 | 8.2 | 6.5 | 11 | 4.2 |
| in. | 0.39 | 0.49 | | 0.28 | 1.32 | 0.05 | 0.32 | 0.26 | 0.43 | 0.17 |

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