



Image for illustrative purpose only

Summary

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| | |
|------------------------------------|---|
| Number of contacts Low Voltage | 10 |
| Wire Size/AWG | 28 - 20 |
| Socket / Receptacle | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 7.30 - 8.70 mm |
| Size | 3S |
| Suggested matching part | FFP.3S.310.CLAC87 |
| Series | S - Indoor Stepped Insert |

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/psp-3s-310-cllc87.html

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Technical details

Electrical Configuration

| | |
|---------------------------------|------------------------------|
| Contact Termination Low voltage | Solder |
| R (max) | 3.6 mOhm |
| Insert configuration value | 3S.310 - 10 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 9 A |
| Vtest | 1060 V (AC), 1500 V (DC) |
| Contact Type | Solder |
| Max. Solid Conductor | 0.5 mm ² (AWG 20) |
| Max. Stranded Conductor | 0.5 mm ² (AWG 20) |
| Bucket Dia. | 1 mm (0.039in) |
| Contact Dia. | 1.3 mm (0.051in) |
| Number of contacts Low Voltage | 10 |
| Wire Size/AWG | 28 - 20 |

Form & Material

| | |
|------------------------|---|
| Shell style / Model id | PSP - Fixed receptacle, nut fixing, cable collet and inner anti-rotating device |
| 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 | 56.04 g |

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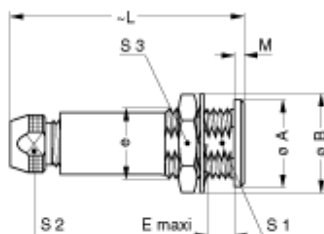
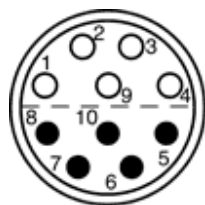
Environment

| | |
|-----------------------------------|---|
| 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] | 7.30 - 8.70 mm |

Drawings



Dimensions

| | A | B | e | E | L | M | S1 | S2 | S3 |
|-----|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|
| mm. | 22 | 25.2 | M18x1.0 | 11.5 | 59 | 2 | 16.5 | 14 | 22 |
| in. | 0.87 | 0.99 | | 0.45 | 2.32 | 0.08 | 0.65 | 0.55 | 0.87 |

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Recommended By Lemo



Accessories

Tools

Spanner wrench

[DCP.91.023.TN](#)

Cables

| Cable PartNumber | Material | Colour | Cable image |
|--------------------|----------|--------|---|
| CMN.10.T20.080PGZE | | grey |  |
| CMN.10.T20.080PNZE | | |  |
| CMN.10.T20.080QGC | TPR | Grey | |
| 110220 | PVC | Black |  |

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