

Standard



Image for illustrative purpose only

Summary

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| | |
|--------------------------------|--|
| Number of contacts Low Voltage | 4 |
| Socket / Receptacle | Socket / Receptacle - Fixed Panel Rear Mounted |
| Locking system | Push-pull |
| Size | 1S |
| Suggested matching part | FFA.1S.304.CLAC22 |
| Series | S - Indoor Stepped Insert |

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ecp-1s-304-cln.html

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Technical details

Electrical Configuration

| | |
|---------------------------------|---------------------------|
| Number of contacts Low Voltage | 4 |
| Contact Termination Low voltage | PCB - Straight |
| R (max) | 4.8 mOhm |
| Insert configuration value | 1S.304 - 4 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 10 A |
| Test voltage (kV DC) | 1.8 |
| Contact Dia. | 0.9 mm (0.0354in) |

Form & Material

| | |
|------------------------|---|
| Shell style / Model id | ECP - Fixed receptacle with two nuts, long threaded shell, with straight contact for printed circuit (back panel mounting) |
| Socket / Receptacle | Fixed Panel Rear 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 | 10.5 g |

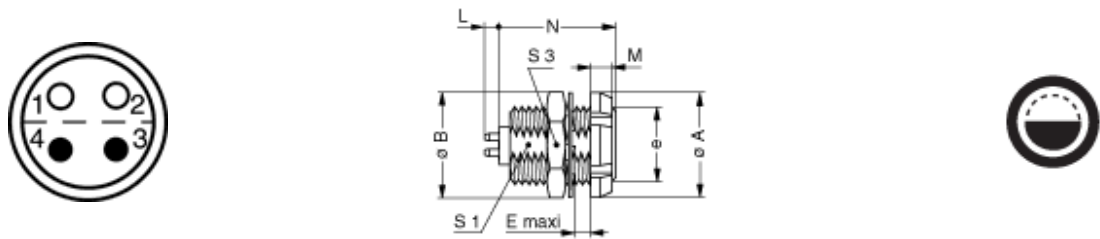
Environment

| | |
|-----------------------------------|---|
| 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.) |
| Climatic Category | 55/175/21 |
| 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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Drawings



Dimensions

| | S3 | S1 | N | M | E | e | B | A |
|-----|------|------|------|------|------|---------|------|------|
| mm. | 14 | 10.5 | 17.5 | 3.5 | 10 | M12x1.0 | 16 | 16 |
| in. | 0.55 | 0.41 | 0.69 | 0.14 | 0.39 | | 0.63 | 0.63 |

Recommended By Lemo

Accessories

| | |
|----------------|--------------------------------|
| Compatible cap | BRE.1S.200.NAS |
|----------------|--------------------------------|

Tools

| | |
|----------------|---|
| Spanner 2 | DCM.65.141.AZ4 |
| Spanner wrench | Socket for torque wrench DCM.1S.M12.4 |

CAD

Documents

| | |
|------------|--------------------------|
| PCB | Download |
| PCB Eagle | Download |
| Kicad | Download |
| PCB Altium | Download |