



## Summary

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|                                    |   |
|------------------------------------|---|
| Number of contacts Low Voltage     | 1   |
| Wire Size/AWG                      | 26 - 18   |
| Socket / Receptacle                | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system                     | Push-pull                                       |
| Jacket cable outside diameter [mm] | 1.00 - 8.30 mm                                  |
| Size                               | 0S  |
| Matching parts                     | <a href="#">FFA.0S.116.CLAC27</a>               |
| Series                             | S - Indoor Stepped Insert                       |

## Technical details

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/ern-0s-116-cll.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ern-0s-116-cll.html)

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## Electrical Configuration

|                                 |                           |
|---------------------------------|---------------------------|
| Contact Termination Low voltage | Solder                    |
| Insert configuration value      | 0S.116 - 1 Low Voltage    |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5) |
| Rated current                   | 12 Amps                   |
| Vtest (contact-contact)         | 1500 V (AC), 2100 V (DC)  |
| Vtest (contact-shell)           | 1500 V (AC), 2100 V (DC)  |
| Contact Type                    | Solder                    |
| Contact Dia.                    | 1.6                       |
| Number of contacts Low Voltage  | 1                         |
| Wire Size/AWG                   | 26 - 18                   |

## 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  |
| Weight                 | 4.02 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  |
| 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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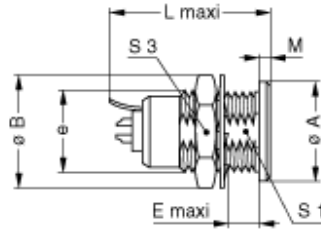
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## Cable fixation

Jacket cable outside diameter [mm]

1.00 - 8.30 mm

## Drawings



## Dimensions

|     | <b>A</b> | <b>B</b> | <b>e</b> | <b>E</b> | <b>L</b> | <b>M</b> | <b>S1</b> | <b>S3</b> |
|-----|----------|----------|----------|----------|----------|----------|-----------|-----------|
| mm. | 10       | 12.5     | M9x0.6   | 7        | 19.3     | 1.2      | 8.2       | 11        |
| in. | 0.39     | 0.49     |          | 0.28     | 0.76     | 0.05     | 0.32      | 0.43      |

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