



Image for illustrative purpose only

## Summary

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|                                    |   |
|------------------------------------|---|
| Number of contacts Low Voltage     | 4   |
| Number of contacts High Voltage    | 1   |
| Socket / Receptacle                | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system                     | Push-pull                                       |
| Jacket cable outside diameter [mm] | 2.00 - 16.60 mm                                 |
| Size                               | 3S  |
| Suggested matching part            | <a href="#">FFA.3S.704.CJAC11</a>               |
| Series                             | S - Indoor Stepped Insert                       |

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/era-3s-704-cll.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/era-3s-704-cll.html)

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# Technical details

## Electrical Configuration

|  |  |
|--|--|
| Contact Termination Low voltage          | Solder   |
| Contact Termination High voltage         | Solder   |
| Insert configuration value               | 3S.704 - 1 High V. 4 Low V.                                  |
| Insulator                                | L: PEEK (UL 94 / V-0/1.5)                                    |
| Rated current                            | LV 10, HV 3 A  |
| Test voltage LV Ue (kV rms)              | 1  |
| Working voltage HV contact - Us (kV rms) | 2.1  |
| Contact Type                             | Solder   |
| Number of contacts Low Voltage           | 4  |
| Number of contacts High Voltage          | 1  |
| Note performance                         | Please use heatshrink to guarantee High Voltage performance. |

## Form & Material

|                        |   |
|------------------------|---|
| Shell style / Model id | ERA - Fixed receptacle, nut fixing  |
| 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                 | 23.72 g   |

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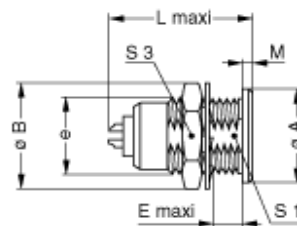
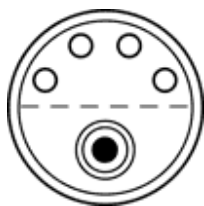
## Environment

|                                   |   |
|-----------------------------------|---|
| 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

|                                    |                 |
|------------------------------------|-----------------|
| Jacket cable outside diameter [mm] | 2.00 - 16.60 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. | 22       | 25.1     | M18x1.0  | 11.5     | 29       | 2        | 16.5      | 22        |
| in. | 0.87     | 0.99     |          | 0.45     | 1.14     | 0.08     | 0.65      | 0.87      |

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