



## Summary

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|                                    |                                |
|------------------------------------|--------------------------------|
| Number of contacts Low Voltage     | 3                              |
| Wire Size/AWG                      | 32 - 24                        |
| Plug                               | Plug - Straight                |
| Locking system                     | Push-pull                      |
| Jacket cable outside diameter [mm] | 6.00 - 6.70 mm                 |
| Size                               | 0S                             |
| Matching parts                     | <a href="#">ERA.0S.303.CLL</a> |
| Series                             | S - Indoor Stepped Insert      |

## Technical details

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/ffa-0s-303-clak68.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffa-0s-303-clak68.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 <sup>2</sup> (AWG 24) |
| Max. Stranded Conductor         | 0.14 mm <sup>2</sup> (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 | FFA - Straight plug with oversize cable collet  |
| Plug                   | Straight  |
| 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 male pin 1  |
| Weight                 | 10.18 g   |

## Environment

|                                      |   |
|--------------------------------------|---|
| Technical domain                     | Audio Video, Energy and Industrial, Semiconductor, Test and Measurement |
| Environmental protection (IP rating) | IP50  |
| Minimal temperature                  | -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  |

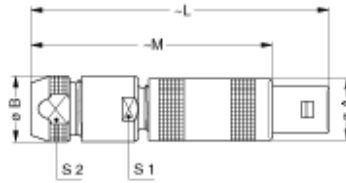
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## Cable fixation

|                                    |  |
|------------------------------------|--|
| Cable termination protection       | Standard back nut (no additional protection) |
| Fixation type                      | Cable collet                                 |
| Jacket cable outside diameter [mm] | 6.00 - 6.70 mm                               |

## Drawings



## Dimensions

|     | <b>B</b> | <b>L</b> | <b>M</b> | <b>S1</b> | <b>S2</b> | <b>A</b> |
|-----|----------|----------|----------|-----------|-----------|----------|
| mm. | 10       | 45.5     | 35.5     | 9         | 8.5       | 9        |
| in. | 0.39     | 1.79     | 1.4      | 0.35      | 0.33      | 0.35     |

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