



*Image for illustrative purpose only*

## Summary

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|                                |                                |
|--------------------------------|--------------------------------|
| Number of contacts Low Voltage | 2                              |
| Wire Size/AWG                  | 28 - 20                        |
| Plug                           | Plug - Straight                |
| Locking system                 | Push-pull                      |
| Size                           | 1S                             |
| Suggested matching part        | <a href="#">ERA.1S.302.CLL</a> |
| Series                         | S - Indoor Stepped Insert      |

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/ffa-1s-302-claf34.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffa-1s-302-claf34.html)

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# Technical details

## Electrical Configuration

|                                 |                              |
|---------------------------------|------------------------------|
| Contact Termination Low voltage | Solder                       |
| R (max)                         | 3.6 mOhm                     |
| Insert configuration value      | 1S.302 - 2 Low Voltage       |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5)    |
| Rated current                   | 15 A                         |
| Vtest                           | 1200 V (AC), 1800 V (DC)     |
| Contact Type                    | Solder                       |
| Max. Solid Conductor            | 0.5 mm <sup>2</sup> (AWG 20) |
| Max. Stranded Conductor         | 0.5 mm <sup>2</sup> (AWG 20) |
| Bucket Dia.                     | 1 mm (0.039in)               |
| Contact Dia.                    | 1.3 mm (0.051in)             |
| Number of contacts Low Voltage  | 2                            |
| Wire Size/AWG                   | 28 - 20                      |

## Form & Material

|                        |   |
|------------------------|---|
| Shell style / Model id | FFA - Straight plug, 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  |
| Colour                 | Grey  |
| Weight                 | 13.07 g   |

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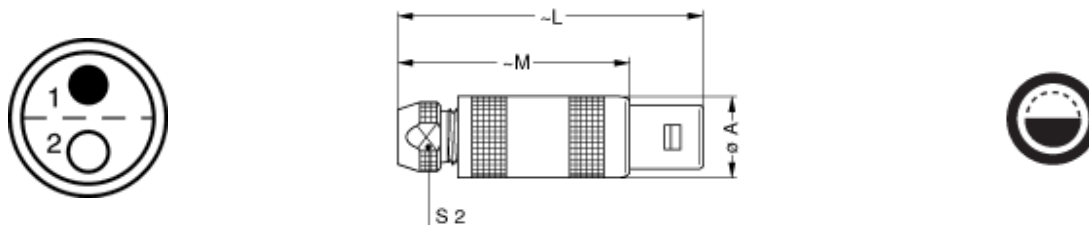
## Environment

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

## Drawings



## Dimensions

|     | <b>L</b> | <b>M</b> | <b>S2</b> | <b>A</b> |
|-----|----------|----------|-----------|----------|
| mm. | 42.5     | 31.5     | 8.5       | 12       |
| in. | 1.67     | 1.24     | 0.33      | 0.47     |

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# Recommended By Lemo

## Accessories

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Compatible cap

[BFG.1B.100.PCZG](#)

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