



## Summary

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|                                    |                           |
|------------------------------------|---------------------------|
| Coax                               | 1                         |
| Plug                               | Plug - Straight           |
| Locking system                     | Push-pull                 |
| Jacket cable outside diameter [mm] | 4.20 - 5.20 mm            |
| Size                               | 1S                        |
| Series                             | S - Indoor Stepped Insert |

## Technical details

### Electrical Configuration

|                            |   |
|----------------------------|---|
| Coax                       | 1   |
| Contact Termination Coax   | Solder  |
| Insert configuration value | 1S.275 - 1 Coax (75 Ohm)  |
| Insulator                  | L: PEEK (UL 94 / V-0/1.5)   |
| Rated current              | 10 Amps   |
| Impedance                  | 75 Ohm  |
| VSWR                       | 1.02 + 0.08 * f/GHz   |
| Vtest                      | 2400 V (AC), 3300 V (DC)  |
| Contact Type               | Coaxial 75 Ohm (Solder)   |
| Cable type                 | Cable type: A RG 179 B/U, RG 187 A/U, RG 58 C/U, RG 302 /U, RG 400 /U, 2YCCY, RG 59 B/U, RG 223 /U, HF-5408 S |
| Bucket Dia.                | 1.1 mm (0.0432in)   |
| Contact Dia.               | 1.3 mm (0.0512in)   |

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/ffb-1s-275-clac52.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffb-1s-275-clac52.html)

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## Form & Material

|                        |   |
|------------------------|---|
| Shell style / Model id | FFB - Straight plug, cable collet and safety locking ring   |
| 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                 | Circular, male  |
| Weight                 | 14.98 g   |

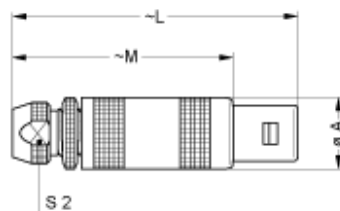
## Environment

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

## Cable fixation

|                                    |  |
|------------------------------------|--|
| Cable termination protection       | Standard back nut (no additional protection) |
| Fixation type                      | Cable collet                                 |
| Jacket cable outside diameter [mm] | 4.20 - 5.20 mm                               |

## Drawings



[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/ffb-1s-275-clac52.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffb-1s-275-clac52.html)

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## Dimensions

|     | <b>L</b> | <b>M</b> | <b>S2</b> | <b>A</b> |
|-----|----------|----------|-----------|----------|
| mm. | 45       | 34       | 8.5       | 12       |
| in. | 1.77     | 1.34     | 0.33      | 0.47     |

## Recommended By Lemo



### Accessories

### Tools

Spanner wrench

[DCD.1S.ZZZ.PA085](#)

## Cables

| <b>Cable PartNumber</b> | <b>Material</b> | <b>Colour</b> | <b>Cable image</b>  |
|-------------------------|-----------------|---------------|---|
| 158480                  | PUR             | Black         |  |
| 158490                  | PVC             | Black         |  |
| CCX.50.088.292495N      | PVC             | Black         |   |
| CCX.50.RG5.8CU50N       | PVC             | Black         |   |

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