



*Image for illustrative purpose only*

## Summary

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|                                 |                           |
|---------------------------------|---------------------------|
| Number of contacts High Voltage | 1                         |
| Locking system                  | Push-pull                 |
| Size                            | 0S                        |
| Series                          | S - Indoor Stepped Insert |

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/rad-0s-403-ctm.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/rad-0s-403-ctm.html)

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# Technical details

## Electrical Configuration

|                                 |                         |
|---------------------------------|-------------------------|
| Insert configuration value      | 0S.403 - 1 High Voltage |
| Insulator                       | T: PTFE                 |
| Rated current                   | 4 A                     |
| Test voltage (kV DC)            | 6                       |
| Air clearance                   | 6.8 mm                  |
| Creepage distance               | 7 mm                    |
| Contact Dia.                    | 0.9                     |
| Number of contacts High Voltage | 1                       |

## Form & Material

|                        |   |
|------------------------|---|
| Shell style / Model id | RAD - Fixed coupler, nut fixing   |
| 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  |
| Colour                 | Grey  |
| Weight                 | 6.32 g  |

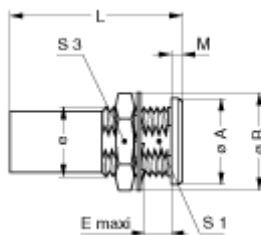
## Environment

|                                   |   |
|-----------------------------------|---|
| 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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# Drawings



## Dimensions

|     | <b>A</b> | <b>B</b> | <b>e</b> | <b>E</b> | <b>L</b> | <b>M</b> | <b>S1</b> | <b>S2</b> |
|-----|----------|----------|----------|----------|----------|----------|-----------|-----------|
| mm. | 10       | 12.5     | M9x0.6   | 7        | 25       | 1.2      | 8.2       | 11        |
| in. | 0.39     | 0.49     |          | 0.28     | 0.98     | 0.05     | 0.32      | 0.43      |

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