



*Image for illustrative purpose only*

## Summary

[Request a quote](#)

[Catalog](#)

Nb of contacts Triax	1
Locking system	Push-pull
Size	1S
Series	S - Indoor Stepped Insert

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/rad-1s-650-ctm.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/rad-1s-650-ctm.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

# Technical details

## Electrical Configuration

Nb of contacts Triax	1
Insert configuration value	1S.650 - 1 Triax (50 Ohm)
Insulator	T: PTFE
Rated current	6 A
Impedance	50 Ohm
OHM	50
VSWR	$1.01 + 0.17 * f/\text{GHz}$
Vtest	1200 V (AC), 1700 V (DC)
Cable type	RGT 178, RGT 174,Belden 9222

## 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	12.62 g

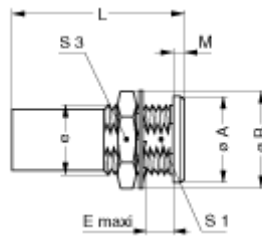
## Environment

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)	$\leq 95\%$ [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

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/rad-1s-650-ctm.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/rad-1s-650-ctm.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

# 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.	14	16	M12x1.0	7.5	28.5	1.5	10.5	14
in.	0.55	0.63		0.3	1.12	0.06	0.41	0.55

## Recommended By Lemo

### Accessories

Compatible cap

[BRE.1S.200.NAS](#)

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/rad-1s-650-ctm.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/rad-1s-650-ctm.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.