

Standard



Image for illustrative purpose only

Summary

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[Coax triax mixed en](#)

Nb of contacts Triax	1
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	1.00 - 10.60 mm
Size	1S
Suggested matching part	FFA.1S.650.CLAC47
Series	S - Indoor Stepped Insert

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ewb-1s-650-ctlpv.html

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Technical details

Electrical Configuration

Nb of contacts Triax	1
Contact Termination Triax	Solder
Insert configuration value	1S.650 - 1 Triax (50 Ohm)
Footprint IPC Class3 compatibility	No
Insulator	T: PTFE
Rated current	6 A
Impedance	50 Ohms
VSWR	$1.01 + 0.17 * f/\text{GHz}$
Vtest	1200 V (AC), 1700 V (DC)
Cable type	RGT 178, RGT 174, Belden 9222
Bucket Dia.	0.8
Contact Dia.	0.9 mm (0.034in)

Form & Material

Shell style / Model id	EWB - Fixed receptacle, nut fixing, with two flats on the flange, watertight or vacuum-tight
Socket / Receptacle	Fixed Panel Front Mounted
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
Variant	Watertight / Vacuum-tested unmated (connector to device)
Weight	20.94 g

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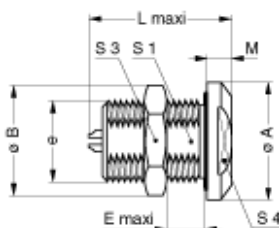
Environment

Technical domain	Audio Video, Energy and Industrial, Semiconductor, Test and Measurement
Environmental sealing (IP rating)	Hermetic unmated
Endurance	5000 mating cycles
Temperature range	-20°C / +100°C
Climatic Category	20/80/21
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]
Pressure	60 bars
R leak (He) (max)	10 ⁻⁷ mbar·l/s (if vacuum-tested)
Salt Spray Corrosion	>1000 hr

Cable fixation

Jacket cable outside diameter [mm]	1.00 - 10.60 mm
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Drawings



Dimensions

	A	B	e	E	L	M	S1	S3	S4
mm.	20	19.5	M14x1.0	15.5	25.5	4	12.5	17	16
in.	0.79	0.77		0.61	1	0.16	0.49	0.67	0.63

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Recommended By Lemo

Accessories

Compatible cap

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

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