

Telegärtner 7-16 Straight Jack G21 (RF\LDF\LCF 12-50J\EupenLD\1/2") SIMFix Pro IP 68

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Description

The Telegärtner 7-16 Straight Jack G21 SIMFix Pro IP68 is a high-performance coaxial RF connector designed for reliable connectivity in demanding telecommunications environments. Suited for 1/2-inch corrugated cable types, this 7/16 DIN female connector is ideal for applications requiring robust signal integrity, such as mobile network base stations and broadcast systems. Its straight, free-hanging design allows for flexible installation in various settings.

Constructed with a durable brass body and plated with copper-nickel and copper-silver alloys, the connector ensures excellent conductivity and corrosion resistance. The Topas COC electrical insulator supports stable performance across a wide temperature range from -40°C to 85°C, making it suitable for both indoor and outdoor use. Additionally, the connector can endure more than 500 mating cycles, ensuring longevity and reliability.

With an operating frequency range of 0 to 6.0 GHz and...

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RF Connector Interface

RF Interface	Body Shape	Mounting
7/16 DIN Female	Straight	Free Hanging

RF Specification

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	6 GHz	Inner Contact Resistance:	$\leq 0.4 \text{ m}\Omega$
Peak Power:	1.8 kW	Outer Contact Resistance:	$\leq 2 \text{ m}\Omega$
PIM, 3rd Order:	$\leq -155 \text{ dBc}$	RF Operating Voltage:	$\leq 4000 \text{ Vrms}$

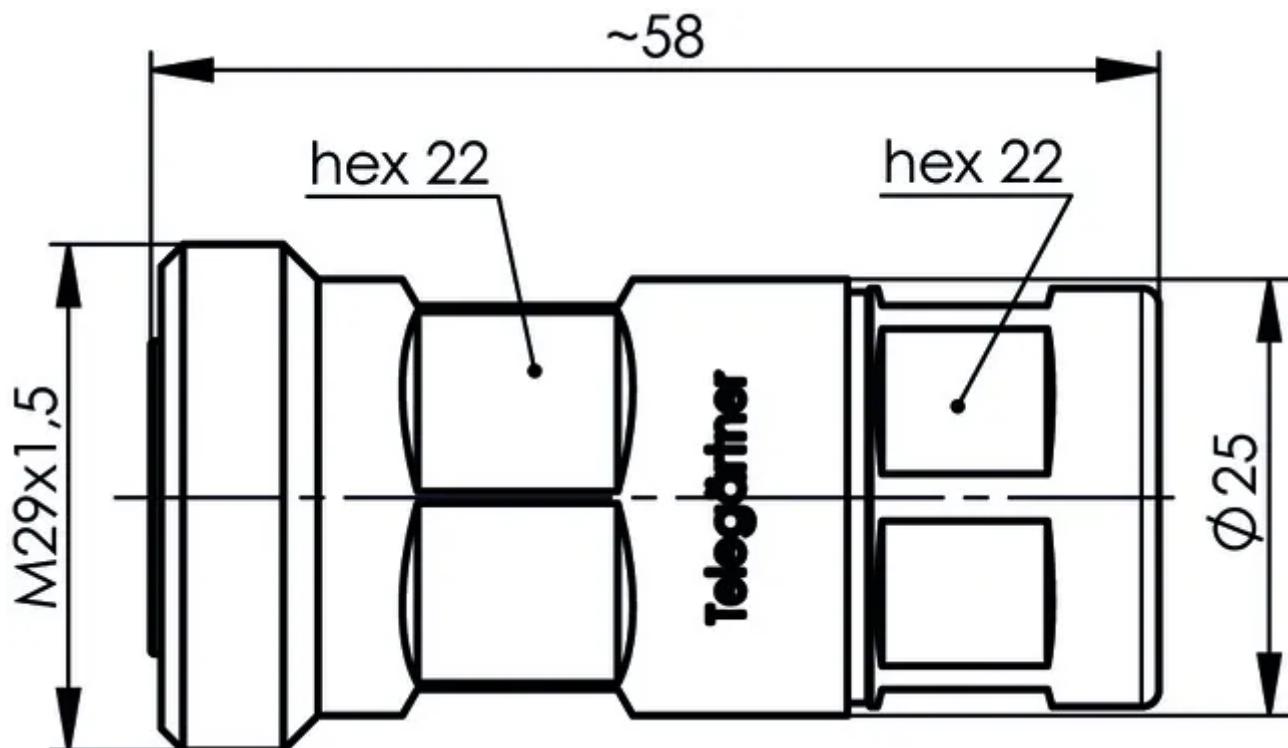
VSWR Measurement

Frequency	Return Loss
2000 MHz	$\leq 36 \text{ dB}$
4000 MHz	$\leq 32 \text{ dB}$
6000 MHz	$\leq 28 \text{ dB}$

Physical Specification

Cable Group:	1/2 Corrugated	Conductor Attachment:	Cable, Captivated
Body Material:	Brass	Contact Material:	Brass, Copper Alloy
Insulator Material:	Topas COC	Contact Plating:	Copper-Nickel (Cu2Ni5), Copper-Silver Alloy (Cu2Ag5 / Cu2Ag3)
Dimensions:	57 x 25	Min. Operating Temperature:	-40 °C
Compliance/Certifications:	RoHS	Max. Operating Temperature:	85 °C
Mechanical Compliance:	IEC 60529: IP Code	Ingress Protection:	IP68
		Mating Cycles:	> 500

Drawing



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