

# Telegartner 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

Telegärtner

## RF Specification



As family-owned company the Telegärtner Group has developed to an international network of affiliated companies specialising in intermediate and end products for telecommunications and data communications for customers with the most exacting demands for high-tech applications over the last 70 years.

Since the company was set up in 1945 Telegärtner has seen steady growth and has continually expanded ...

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	6 GHz	Inner Contact Resistance:	≤ 0.4 mΩ
Peak Power:	1.8 kW	Outer Contact Resistance:	≤ 2 mΩ
PIM, 3rd Order:	≤ -155 dBc	RF Operating Voltage:	≤ 4000 Vrms

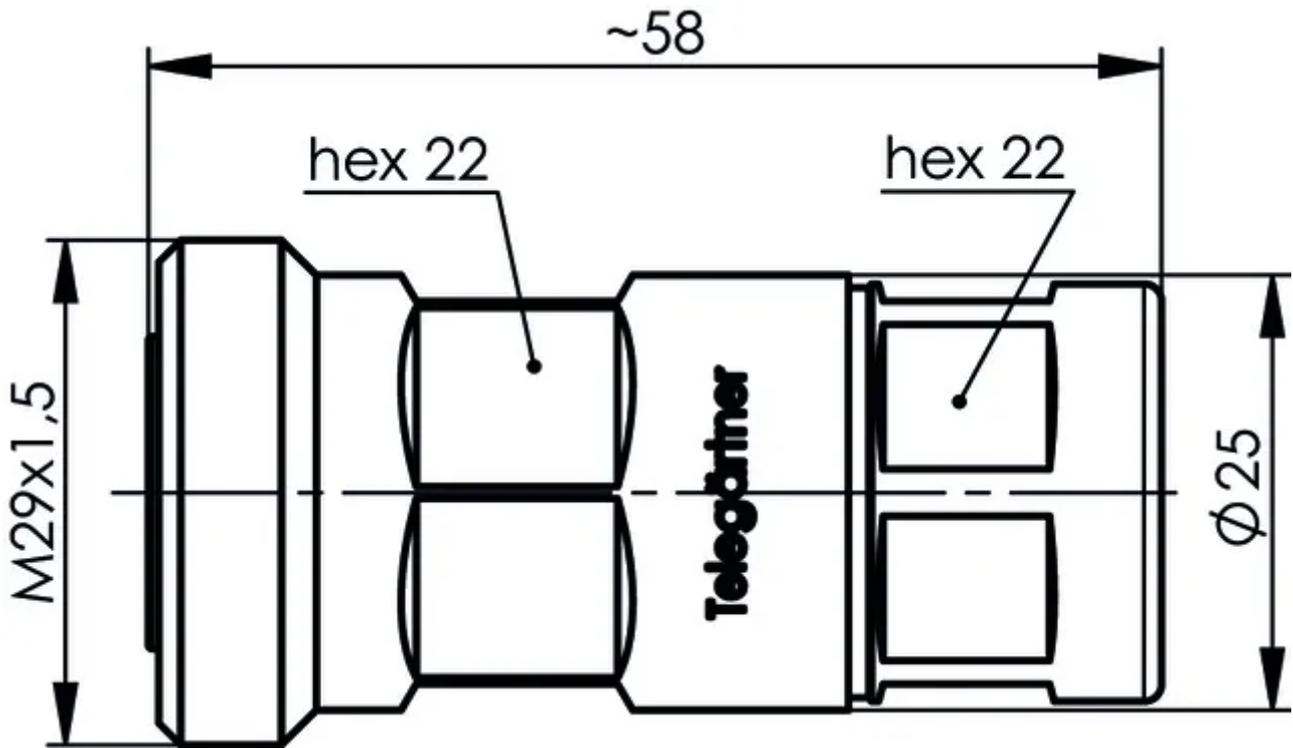
#### VSWR Measurement

Frequency	Return Loss
2000 MHz	≤ 36 dB
4000 MHz	≤ 32 dB
6000 MHz	≤ 28 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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