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

SKU  
ACC-TG-00026  
MPN  
100024503

## 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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## Telegärtner

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 ...

## **RF Connector Interface**

**RF Interface   Body Shape   Mounting**

[7/16 DIN Female](#) [Straight](#)   [Free Hanging](#)

## **RF Specification**

Start Frequency

0 GHz

Stop Frequency

6 GHz

Peak Power

1.8 kW

PIM, 3rd Order

$\leq -155$  dBc

Input Impedance

50  $\Omega$

Inner Contact Resistance

$\leq 0.4$  m $\Omega$

Outer Contact Resistance

≤ 2 mΩ

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](#)

Body Material

[Brass](#)

Insulator Material

[Topas COC](#)

Dimensions

57 x 25

Compliance/Certifications

[RoHS](#)

Mechanical Compliance

[IEC 60529: IP Code](#)

Conductor Attachment

[Cable, Captivated](#)

Contact Material

[Brass, Copper Alloy](#)

Contact Plating

[Copper-Nickel \(Cu<sub>2</sub>Ni<sub>5</sub>\), Copper-Silver Alloy \(Cu<sub>2</sub>Ag<sub>5</sub> / Cu<sub>2</sub>Ag<sub>3</sub>\)](#)

Min. Operating Temperature

-40 °C

Max. Operating Temperature

85 °C

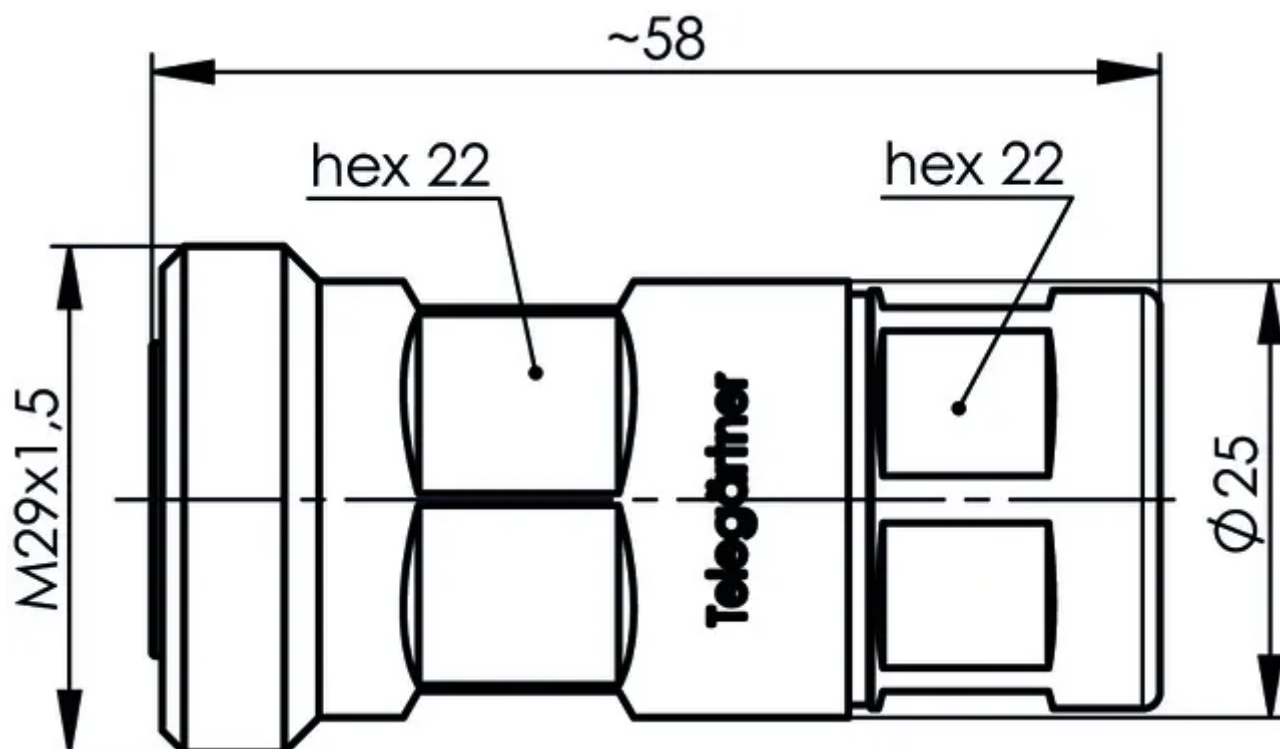
Ingress Protection

[IP68](#)

Mating Cycles

> 500

Drawing



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