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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
≤ -155 dBc
Input Impedance
50 Ω
Inner Contact Resistance
≤ 0.4 mΩ
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 (Cu2Ni5), Copper-Silver Alloy (Cu2Ag5 / Cu2Ag3)

Min. Operating Temperature

-40 °C

Max. Operating Temperature

85 °C

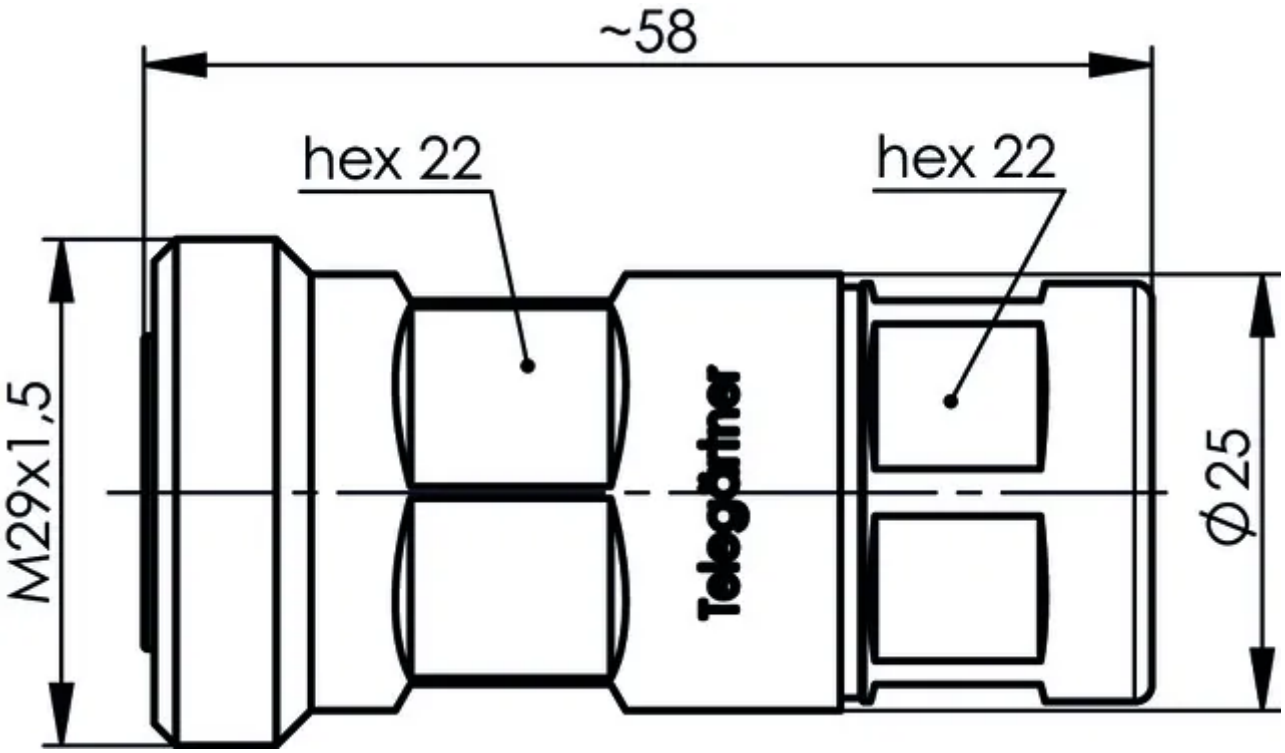
Ingress Protection

IP68

Mating Cycles

> 500

Drawing



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