Powertec Wireless Technology
ABN: 42 082 948 463
PO Box 1034, Ashmore City
Queensland, Australia, 4214
sales@powertec.com.au
1300 769 378

Telegartner 4.3-10 straight jack, clamp/clamp, G21 (1/2"), SIMFix Pro

SKU
ACC-TG-00014
MPN
100025266

Description

The Telegärtner 4.3-10 straight jack, known for its robust design and reliable performance, is a high-quality coaxial RF connector used in telecommunications and data communications. This connector is ideal for applications requiring low passive intermodulation (PIM) levels, making it suitable for high-frequency signal transmission in mobile network infrastructure. It supports a frequency range from 0 to 6 GHz, ensuring optimal signal integrity across various communication systems.

Designed for use with 1/2" corrugated cable types, this connector employs a cable-clamp attachment mechanism that ensures a secure and stable connection. Its brass construction with CuSnZn3 plating and inner copper alloy contacts with copper-silver alloy plating contribute to efficient electrical conductivity and durability. The connector is engineered to withstand over 100 mating cycles, ensuring long-term performance stability.

With an insulation resistance...

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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
4.3-10 Female	Straight	Free Hanging

RF Specification

Start Frequency
0 GHz
Stop Frequency
6 GHz
PIM, 3rd Order
≤ -155 dBc
Input Impedance
50 Ω
Inner Contact Resistance
≤ 1 mΩ
Insulation Resistance
≥ 5000 mΩ
Outer Contact Resistance
≤ 0.5 mΩ
RF Operating Voltage

≤ 2500 Vrms

VSWR Measurement

Frequency	Return Loss	Insertion Loss
2000 MHz	≤ 36 dB	0.1 dB
4000 MHz	≤ 32 dB	0.1 dB
8000 MHz	≤ 28 dB	0.1 dB

Physical Specification

Cable Group

1/2 Corrugated

Body Material

Brass

Body Plating

CuSnZn3

Insulator Material

Topas COC

Dimensions

62 x 24.8

Compliance/Certifications

RoHS

Conductor Attachment

Cable, Captivated

Contact Material

Copper Alloy

Contact Plating

Copper-Silver Alloy (Cu2Ag5 / Cu2Ag3)

Min. Operating Temperature

-40 °C

Max. Operating Temperature

85 °C

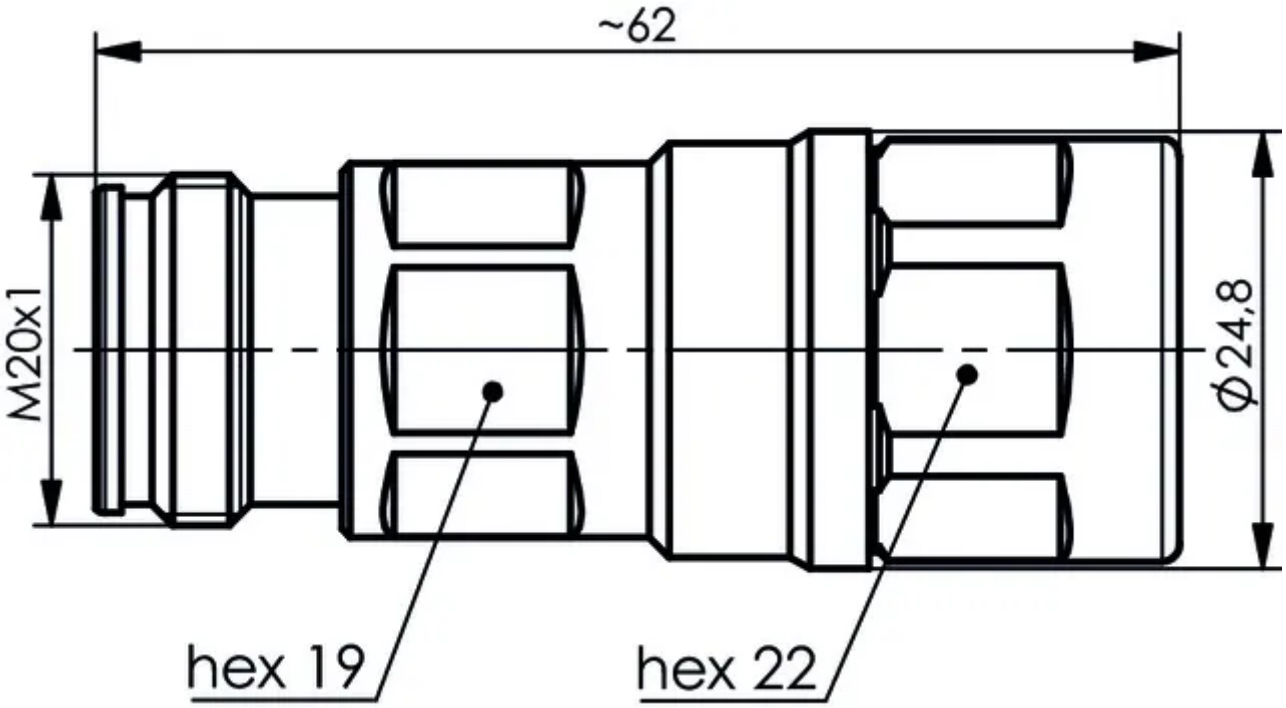
Ingress Protection

IP68

Mating Cycles

> 100

Drawing



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