

Telegärtner N Straight Plug G21 (1/2") SIMFix Pro IP68

SKU: ACC-TG-00018

MPN: 100023973

Description

The Telegärtner N Straight Plug G21 SIMFix Pro is a high-performance coaxial RF connector designed for robust telecommunications and data communications applications. As a N Male connector, it features a straight body shape ideal for free-hanging mounting, making it versatile for various installations. This connector is specifically engineered to attach seamlessly to 1/2" corrugated cable types. Constructed with a durable brass body and coated with CuSnZn3 plating, it ensures longevity and reliable performance. The inner contacts use a copper alloy with a copper-silver alloy plating, enhancing electrical conductivity.

This connector can handle over 500 mating cycles, making it suitable for demanding environments where frequent connections and disconnections are required. Operating within a temperature range of -40°C to 85°C and supporting frequencies from 0 GHz to 6 GHz, it is designed for a wide array of RF applications. The connector's...

[Read More](#)



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
N Male	Straight	Free Hanging

RF Specification

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	6 GHz	Inner Contact Resistance:	$\leq 1.5 \text{ m}\Omega$
PIM, 3rd Order:	$\leq -155 \text{ dBc}$	Insulation Resistance:	$\geq 5000 \text{ m}\Omega$
		Outer Contact Resistance:	$\leq 1 \text{ m}\Omega$
		RF Operating Voltage:	$\leq 1000 \text{ Vrms}$

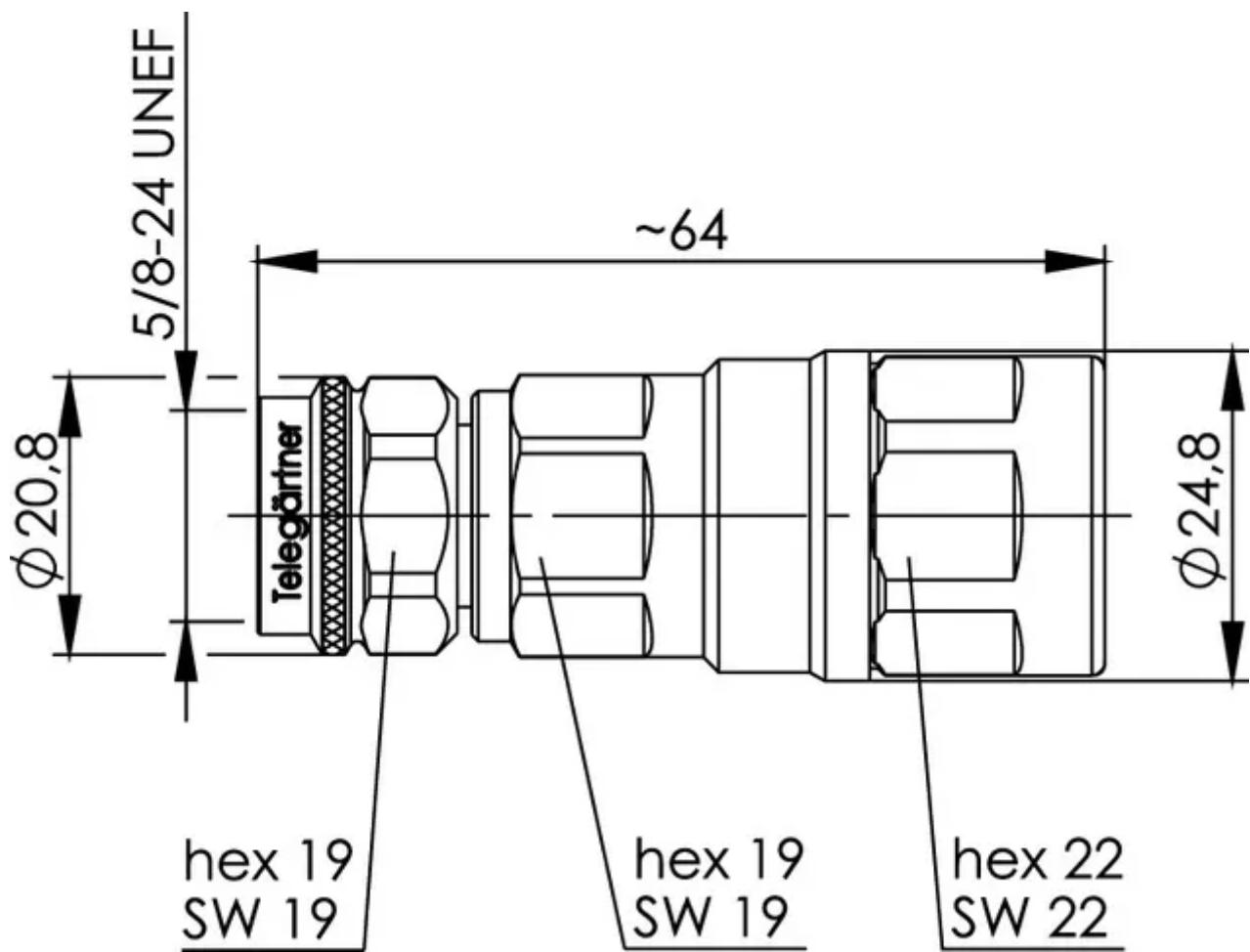
VSWR Measurement

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	Contact Material:	Copper Alloy
Body Material:	Brass	Contact Plating:	Copper-Silver Alloy (Cu2Ag5 / Cu2Ag3)
Body Plating:	CuSnZn3	Min. Operating Temperature:	-40 °C
Insulator Material:	Topas COC	Max. Operating Temperature:	85 °C
Dimensions:	64 x 24.8	Ingress Protection:	IP68
Compliance/Certifications:	RoHS	Mating Cycles:	> 500

Drawing



Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

