

Telegärtner 4.3-10 straight plug, Screw Type, clamp/clamp, G21 (1/2"), SIMFix Pro

SKU: ACC-TG-00013

MPN: 100033386

Description

The Telegärtner 4.3-10 straight plug is a high-performance coaxial RF connector, designed for reliable connections in telecommunications and data communications systems. This connector is utilised primarily for attaching 1/2" corrugated cable types, making it ideal for applications requiring robust and stable signal transmission. The screw-type, clamp/clamp design ensures secure and easy installation, facilitating its use in environments where quick and efficient setups are essential.

Constructed with a brass body and copper-silver alloy plating, the connector offers excellent durability and corrosion resistance, ensuring a long service life even in harsh conditions. Its electrical insulator made of Topas COC contributes to superior insulation properties. The connector's capacity to withstand over 100 mating cycles and operate within a wide temperature range of -40 °C to 85 °C makes it suitable for both indoor and outdoor installations.

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RF Connector Interface

RF Interface	Body Shape	Mounting
4.3-10 Male	Straight	Free Hanging

RF Specification

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	6 GHz	Inner Contact Resistance:	$\leq 1 \text{ m}\Omega$
Peak Power:	1 kW	Insulation Resistance:	$\geq 5000 \text{ m}\Omega$
PIM, 3rd Order:	$\leq -155 \text{ dBc}$	Outer Contact Resistance:	$\leq 0.5 \text{ m}\Omega$
RF Operating Voltage:			$\leq 2500 \text{ Vrms}$

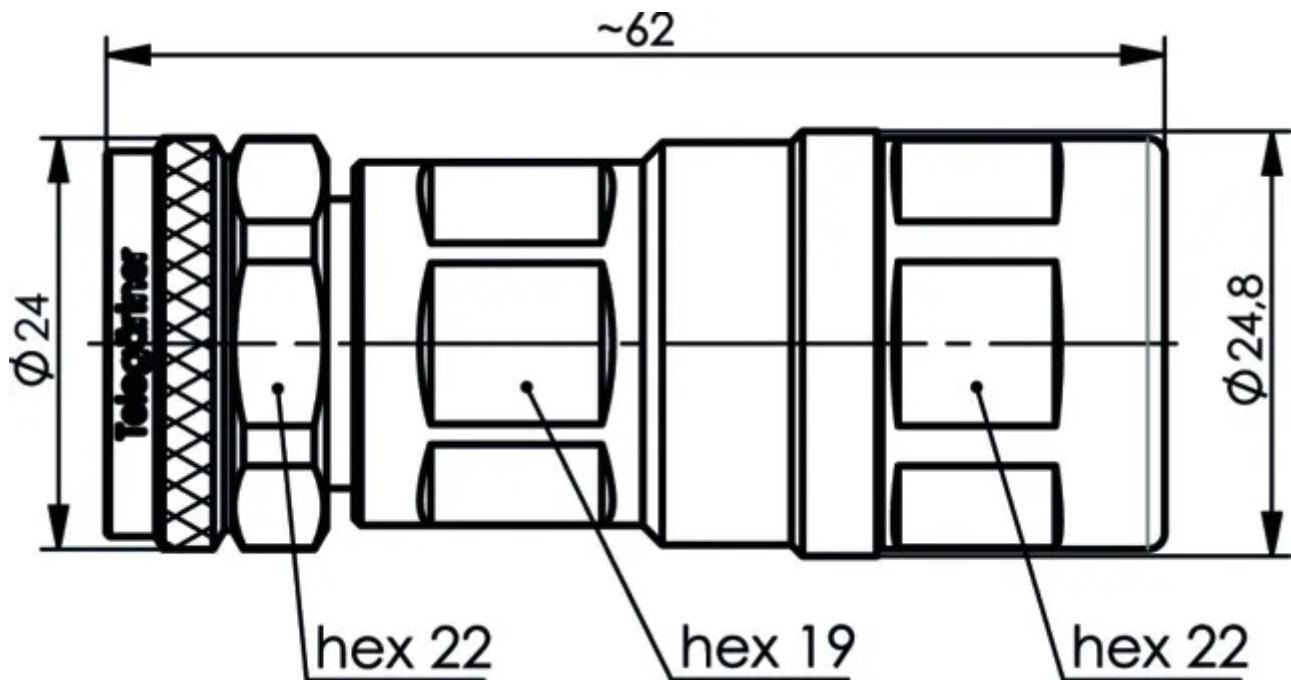
VSWR Measurement

Frequency	Return Loss	Insertion Loss
2000 MHz	$\leq 36 \text{ dB}$	0.1 dB
4000 MHz	$\leq 32 \text{ dB}$	
6000 MHz	$\leq 28 \text{ dB}$	

Physical Specification

Cable Group:	1/2 Corrugated	Conductor Attachment:	Cable, Captivated
Body Material:	Brass	Contact Material:	Copper Alloy
Body Plating:	Copper-Silver Alloy (Cu2Ag5 / Cu2Ag3)	Contact Plating:	Copper-Silver Alloy (Cu2Ag5 / Cu2Ag3)
Insulator Material:	Topas COC	Min. Operating Temperature:	-40 °C
Dimensions:	62 x 24.8 mm	Max. Operating Temperature:	85 °C
Compliance/Certifications:	RoHS	Ingress Protection:	IP68
		Mating Cycles:	> 100

Drawing



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