

Telegärtner 4.3-10 angle plug, Screw Type, clamp/clamp, G23 (1/2" Flex), SIMFix Pro

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Description

The Telegärtner 4.3-10 angle plug is a high-performance coaxial RF connector designed for telecommunications and data communication applications. Engineered for reliability in demanding environments, this connector is ideal for use with 1/2" corrugated cables in mobile networks, broadcast systems, and industrial settings. Its right-angle design facilitates easy installation in tight spaces, while the screw-type, clamp/clamp mechanism ensures secure cable attachment.

Constructed with a robust brass body plated with a copper-silver alloy, the connector offers excellent conductivity and durability. The beryllium copper inner contacts, also copper-silver plated, enhance signal integrity. With a PTFE insulator, it operates efficiently across a wide temperature range from -40 °C to 85 °C, making it suitable for both indoor and outdoor applications.

This connector supports frequencies up to 6 GHz, ensuring high-performance transmission with...

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RF Connector Interface

RF Interface	Body Shape	Mounting
4.3-10 Male	Right Angle	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:	2.5 kW	Insulation Resistance:	$\geq 5000 \text{ m}\Omega$
PIM, 3rd Order:	$\leq -155 \text{ dBc}$	Outer Contact Resistance:	$\leq 1 \text{ m}\Omega$
RF Operating Voltage:			$\leq 1000 \text{ Vrms}$

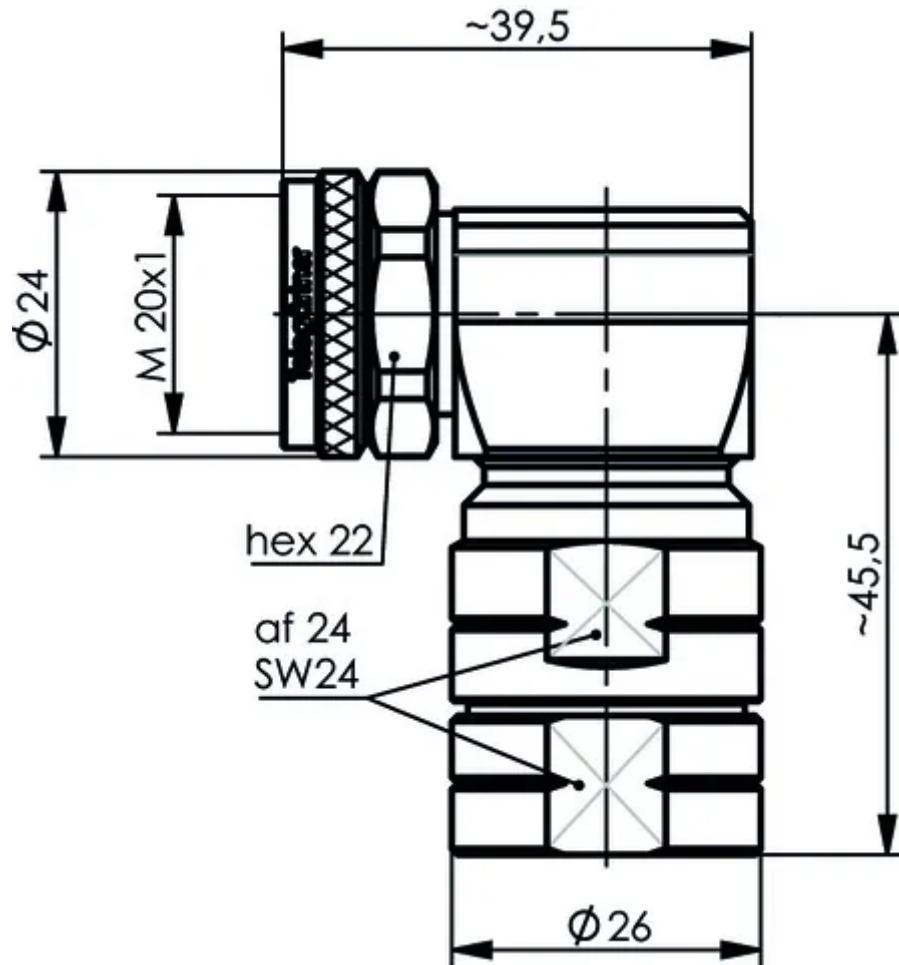
VSWR Measurement

Frequency	VSWR	Return Loss	Insertion Loss
2000 MHz	$\leq 1.2:1$	$\leq 34 \text{ dB}$	0.15 dB

Physical Specification

Cable Group:	1/2 Corrugated	Conductor Attachment:	Cable, Captivated
Body Material:	Brass	Contact Material:	Beryllium Copper
Body Plating:	Copper-Silver Alloy (Cu2Ag5 / Cu2Ag3)	Contact Plating:	Copper-Silver Alloy (Cu2Ag5 / Cu2Ag3)
Insulator Material:	PTFE / Teflon	Min. Operating Temperature:	-40 °C
Dimensions:	45.5 x 26	Max. Operating Temperature:	85 °C
Weight:	184 g	Ingress Protection:	IP68
Compliance/Certifications:	RoHS	Mating Cycles:	> 100

Drawing



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