

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

SKU: ACC-TG-00009

MPN: 100025183

Description

The Telegärtner 4.3-10 straight plug is a high-performance coaxial RF connector designed for use in telecommunications and data communication systems. It is ideal for applications requiring reliable signal transmission and minimal interference, such as base stations and wireless infrastructure. This connector is compatible with 1/2" flexible corrugated cables, providing a secure connection through its screw-type, clamp-clamp attachment. The robust design ensures durability, with a brass body and white bronze plating for corrosion resistance, while the copper alloy inner contacts ensure excellent conductivity.

Engineered to operate within a frequency range of 0 to 6.0 GHz, the connector maintains a low VSWR of $\leq 1.03:1$ and a return loss of ≤ 36 dB at 2000 MHz, ensuring minimal signal loss. Its third-order Passive Intermodulation (PIM) rating of ≤ -155 dBc highlights its suitability for high-frequency applications where signal integrity is...

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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:	0.1 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:			$\leq 1000 \text{ Vrms}$

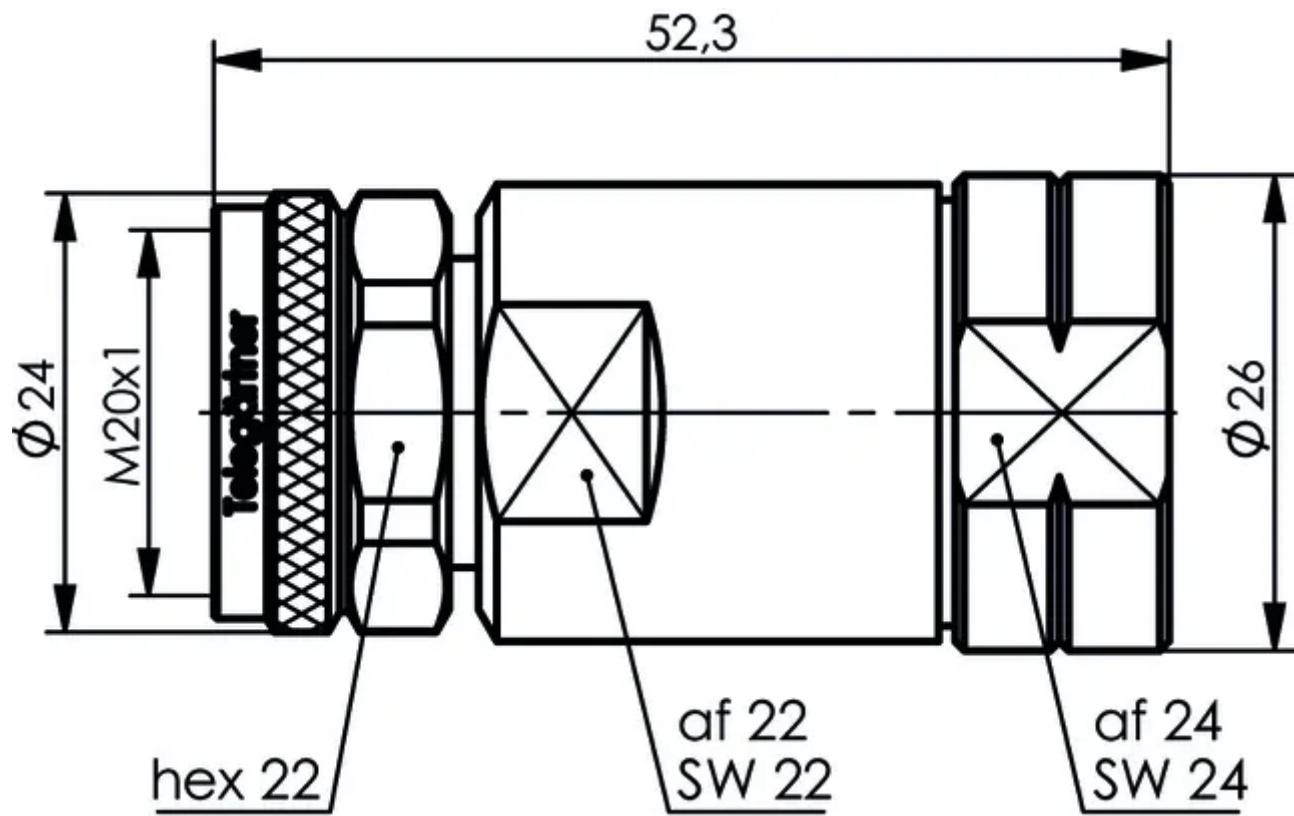
VSWR Measurement

Frequency	VSWR	Return Loss	Insertion Loss
2000 MHz	$\leq 1.03:1$	$\leq 36 \text{ dB}$	0.1 dB

Physical Specification

Cable Group:	1/2 Corrugated	Conductor Attachment:	Cable, Captivated
Body Material:	Brass	Contact Material:	Copper Alloy, Brass
Body Plating:	White Bronze	Contact Plating:	Copper-Silver Alloy (Cu2Ag5 / Cu2Ag3)
Insulator Material:	PTFE / Teflon	Min. Operating Temperature:	-40 °C
Dimensions:	56.2 x 24	Max. Operating Temperature:	85 °C
Weight:	134 g	Ingress Protection:	IP68
Compliance/Certifications:	RoHS	Mating Cycles:	> 100

Drawing



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