

# Telegärtner 7-16 Angle Plug G23 (1/2" Flex) SIMFix Pro IP 68

SKU: ACC-TG-00022

MPN: 100024389

## Description

The Telegärtner 7-16 Angle Plug G23 is a high-performance coaxial RF connector designed for robust telecommunications and data communication applications. This 7/16 DIN male connector features a right-angle body and is ideally suited for connecting 1/2" corrugated cables. Its durable construction, with a brass body and copper-silver alloy plating, ensures excellent conductivity and reliability. The connector is engineered to endure over 500 mating cycles, making it suitable for repeated connections in demanding environments.

With an operational frequency range extending from 0 to 3 GHz, this connector supports a wide array of RF applications, including cellular networks and broadcast systems. It maintains a low voltage standing wave ratio (VSWR) across its frequency range, ensuring minimal signal reflection and power loss. The Telegärtner 7-16 Angle Plug G23 also boasts a high power handling capability of up to 2 kW and an RF operating...

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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

<b>RF Interface</b>	<b>Body Shape</b>	<b>Mounting</b>
7/16 DIN Male	Right Angle	Free Hanging

## RF Specification

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	3 GHz	Inner Contact Resistance:	≤ 0.4 mΩ
Peak Power:	1.8 kW	Insulation Resistance:	≥ 10000 mΩ
PIM, 3rd Order:	≤ -155 dBc	Outer Contact Resistance:	≤ 0.2 mΩ
		RF Operating Voltage:	≤ 2700 Vrms

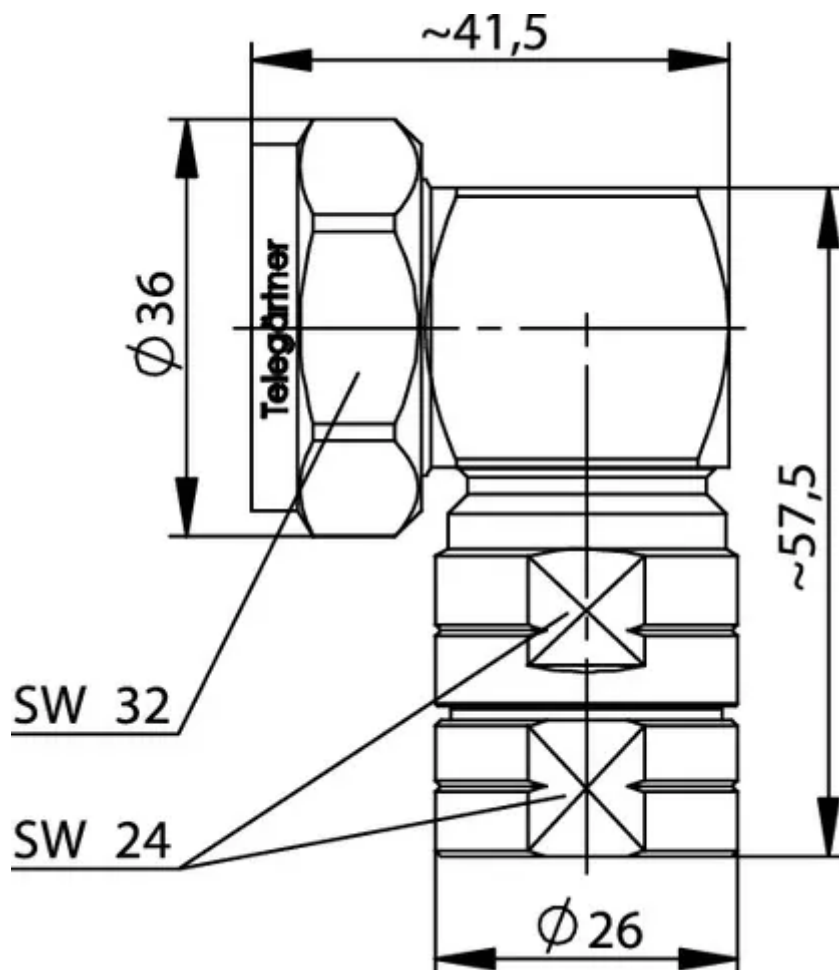
### VSWR Measurement

Frequency	VSWR	Return Loss	Insertion Loss
1000 MHz	≤ 1.1:1	≤ 38 dB	0.05 dB
2000 MHz	≤ 1.2:1	≤ 34 dB	0.05 dB
2700 MHz	≤ 1.3:1	≤ 30 dB	0.1 dB

## Physical Specification

Cable Group:	1/2 Corrugated	Conductor Attachment:	Cable, Captivated
Body Material:	Brass	Contact Material:	Brass
Body Plating:	CuSnZn3	Contact Plating:	Copper-Silver Alloy (Cu2Ag5 / Cu2Ag3)
Insulator Material:	PTFE / Teflon		
Dimensions:	41.5 x 36 x 57.5	Min. Operating Temperature:	-40 °C
Weight:	240 g	Max. Operating Temperature:	85 °C
Compliance/Certifications:	RoHS	Ingress Protection:	IP68
		Mating Cycles:	> 500

## Drawing



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