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# Telegartner 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

| RF Interface | Body Shape | Mounting |
|---|---|---|
| 7/16 DIN Male | Right Angle | Free Hanging |

# RF Specification

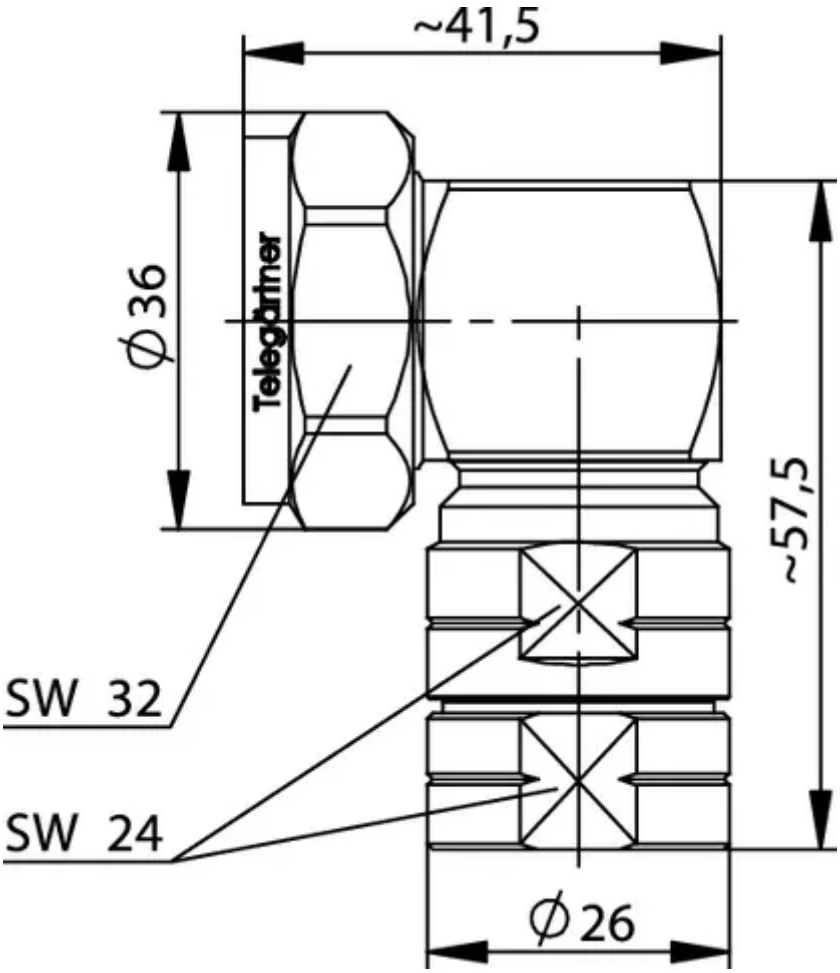
Start Frequency
0 GHz
Stop Frequency
3 GHz
Peak Power
1.8 kW
PIM, 3rd Order
≤ -155 dBc
Input Impedance
50 Ω
Inner Contact Resistance
≤ 0.4 mΩ
Insulation Resistance
≥ 10000 mΩ
Outer Contact Resistance

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




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