

Page



Powertec Wireless Technology
ABN: 42 082 948 463
PO Box 1034, Ashmore City
Queensland, Australia, 4214
sales@powertec.com.au
1300 769 378

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...

[Read More](#)



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 m Ω

Insulation Resistance

$\geq 10000 \text{ m}\Omega$

Outer Contact Resistance

$\leq 0.2 \text{ m}\Omega$

RF Operating Voltage

$\leq 2700 \text{ Vrms}$

VSWR Measurement

Frequency VSWR Return Loss Insertion Loss

1000 MHz $\leq 1.1:1 \leq 38 \text{ dB}$ 0.05 dB

2000 MHz $\leq 1.2:1 \leq 34 \text{ dB}$ 0.05 dB

2700 MHz $\leq 1.3:1 \leq 30 \text{ dB}$ 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

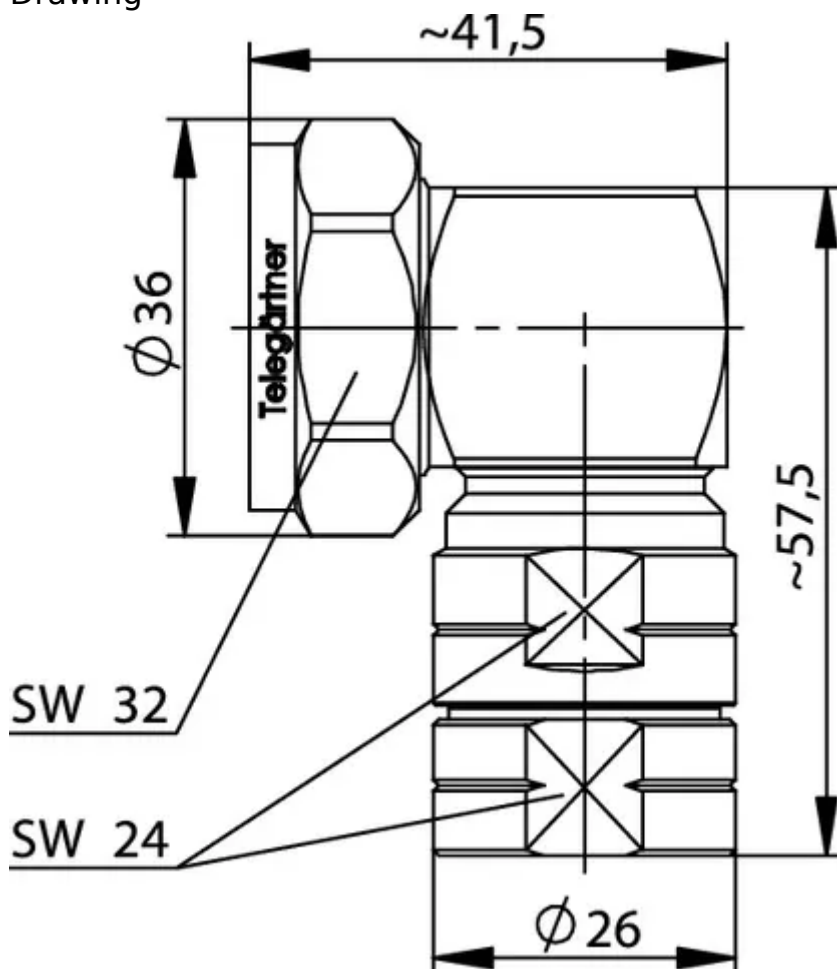
Ingress Protection

[IP68](#)

Mating Cycles

> 500

Drawing



Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

