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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 Straight Plug G23 (1/2" Flex)**

SKU  
ACC-TG-00020  
MPN  
100024409

**Description**

The Telegärtner 7-16 Straight Plug G23 is a high-performance coaxial RF connector designed for demanding telecommunications and data communications applications. This 7/16 DIN Male connector is engineered to attach seamlessly to 1/2" corrugated cables, utilizing a robust cable crimping mechanism. It is ideal for use in environments requiring reliable connectivity and durable performance, such as base stations and antenna systems in cellular networks.

Crafted with a brass body and CuSnZn3 plating, along with copper alloy inner contacts plated with a copper-silver alloy, it ensures optimal conductivity and corrosion resistance. The PTFE/Teflon electrical insulator further enhances its stability under varying environmental conditions. This connector can endure over 500 mating cycles, offering longevity in high-use scenarios.

Operating efficiently across a frequency range of 0 to 3 GHz, it provides a low third-order Passive Intermodulation...

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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 Straight](#)      [Free Hanging](#)

## **RF Specification**

Start Frequency

0 GHz

Stop Frequency

3 GHz

Peak Power

1.8 kW

PIM, 3rd Order

$\leq -112$  dBc

Input Impedance

50  $\Omega$

Inner Contact Resistance

$\leq 0.4$  m $\Omega$

Outer Contact Resistance

≤ 0.2 mΩ

RF Operating Voltage

≤ 2700 Vrms

VSWR Measurement

**Frequency Return Loss**

1000 MHz ≤ 40 dB

2000 MHz ≤ 38 dB

3000 MHz ≤ 36 dB

## Physical Specification

Cable Group

[1/2 Corrugated](#)

Body Material

[Brass](#)

Body Plating

[CuSnZn3](#)

Insulator Material

[PTFE / Teflon](#)

Dimensions

54 x 35.5

Weight

161 g

Compliance/Certifications

[RoHS](#)

Conductor Attachment

[Cable, Crimp](#)

Contact Material

[Copper Alloy](#)

Contact Plating

[Copper-Silver Alloy \(Cu2Ag5 / Cu2Ag3\)](#)

Min. Operating Temperature

-40 °C

Max. Operating Temperature

85 °C

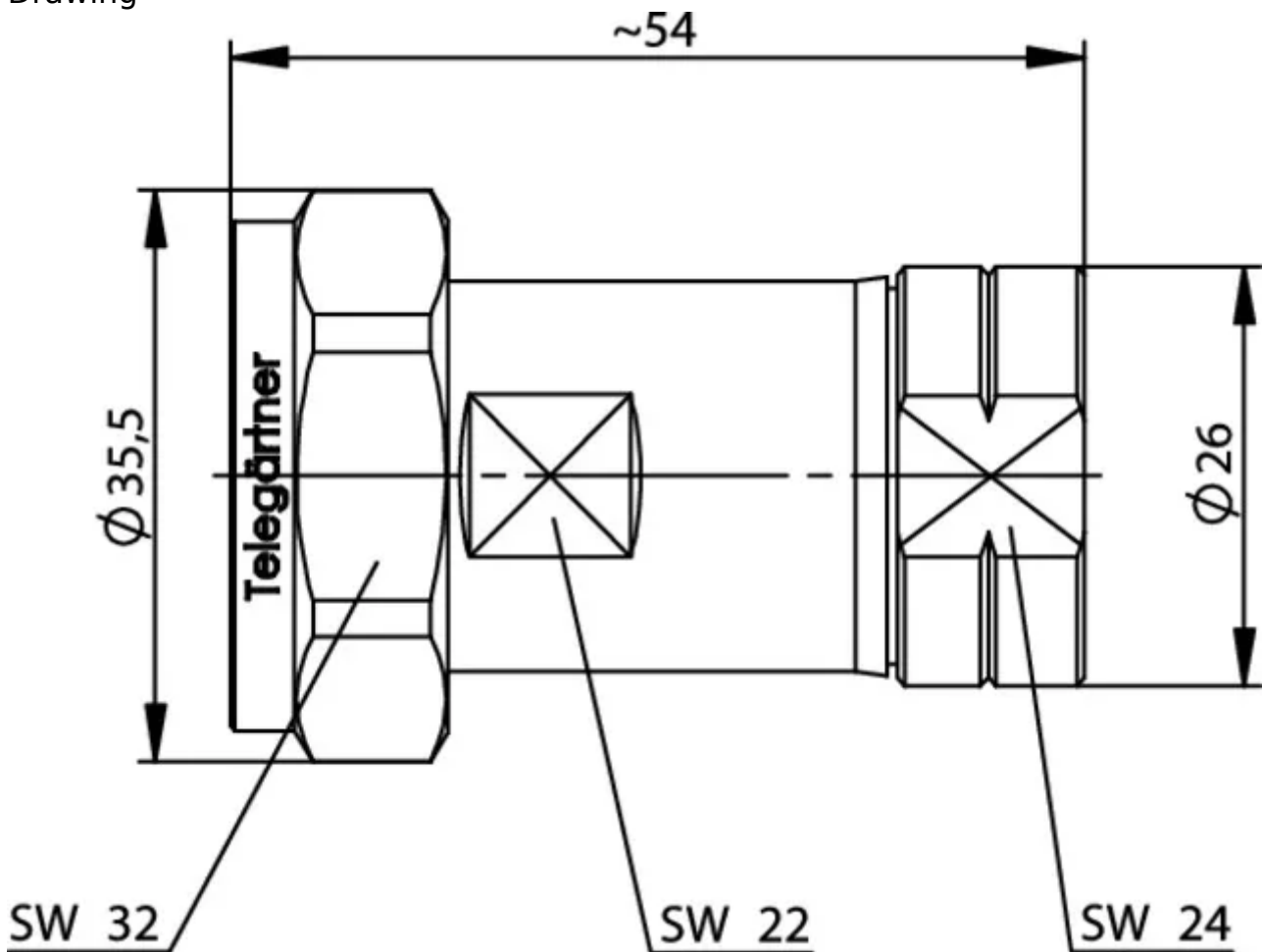
Ingress Protection

[IP68](#)

Mating Cycles

> 500

## Drawing



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