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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
≤ -112 dBc
Input Impedance
50 Ω
Inner Contact Resistance
≤ 0.4 mΩ
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

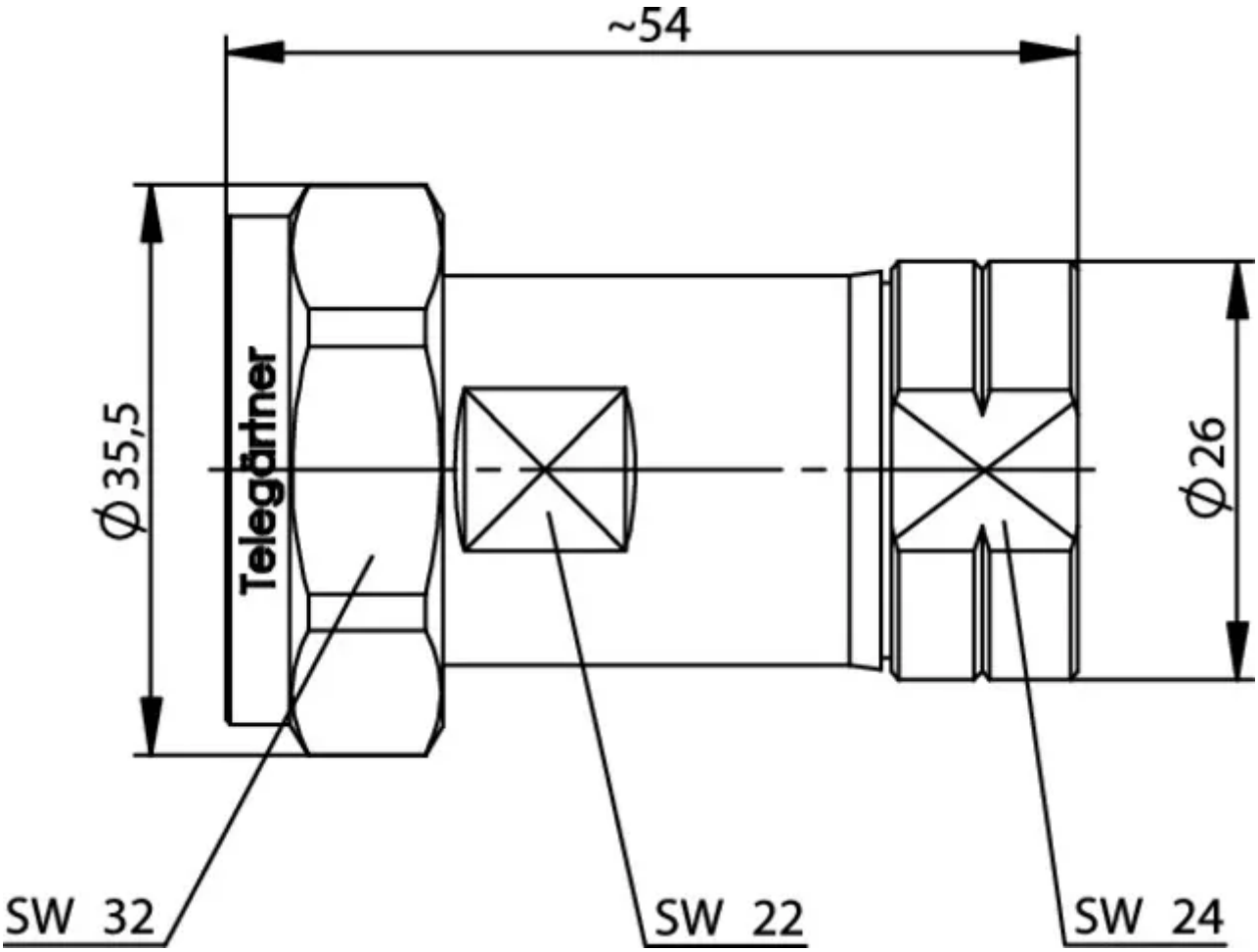
Ingress Protection

IP68

Mating Cycles

> 500

Drawing



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