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Telegartner 7-16 Straight Jack G23 (1/2" Flex) SIMFix

SKU
ACC-TG-00029
MPN
100024482

Description

The Telegärtner 7-16 Straight Jack G23 (1/2" Flex) SIMFix is a high-performance coaxial RF connector designed for demanding telecommunications and data communication applications. It features a 7/16 DIN Female connector with a straight body, suitable for free-hanging mounting. This connector is engineered to attach seamlessly to 1/2" corrugated cable types using a captivated attachment mechanism, ensuring secure and reliable connections.

Constructed from brass with copper alloy inner contacts, this connector boasts excellent conductivity and durability. Its PTFE/Teflon insulator ensures high resistance to temperature fluctuations, making it suitable for environments ranging from -40 °C to 85 °C. The connector can handle a peak power of 2 kW and maintains an input impedance of 50 Ω , making it ideal for high-frequency applications up to 3 GHz.

The Telegärtner 7-16 Straight Jack G23 is designed for robustness, withstanding over 500 mating...

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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 Female](#) [Straight](#) [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

≥ 10000 mΩ

Outer Contact Resistance

≤ 0.2 mΩ

RF Operating Voltage

≤ 2700 Vrms

VSWR Measurement

Frequency Return Loss Insertion Loss

1000 MHz	≤ 40 dB	0.03 dB
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2000 MHz	≤ 36 dB	0.08 dB
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3000 MHz	≤ 34 dB	0.18 dB
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Physical Specification

Cable Group

[1/2 Corrugated](#)

Body Material

[Brass](#)

Insulator Material

[PTFE / Teflon](#)

Dimensions

55 x 26

Weight

160 g

Compliance/Certifications

[RoHS](#)

Mechanical Compliance

[IEC 60529: IP Code](#)

Conductor Attachment

[Cable, Captivated](#)

Contact Material

[Copper Alloy](#)

Contact Plating

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

Min. Operating Temperature

-40 °C

Max. Operating Temperature

85 °C

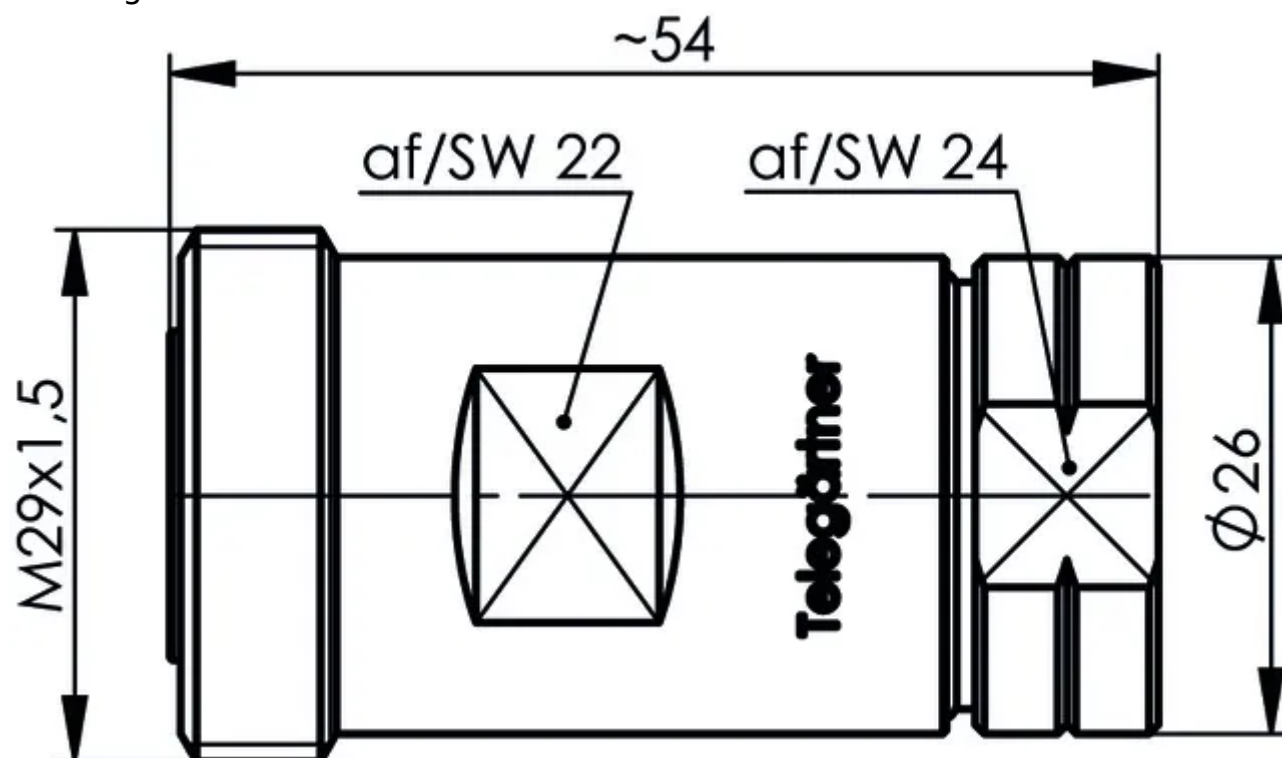
Ingress Protection

[IP68](#)

Mating Cycles

> 500

Drawing



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