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Telegartner 7-16 Staight Jack SIMFix CA-Pro G24 (7/8"); G52 (7/8" Alu)

SKU
ACC-TG-00025
MPN
100024463

Description

The Telegärtner 7-16 Straight Jack SIMFix CA-Pro is a high-performance coaxial RF connector designed for demanding telecommunications applications. Specifically engineered for 7/8" corrugated cables, this 7/16 DIN Female connector ensures reliable signal transmission in RF systems operating up to 3.0 GHz. Its robust construction utilising brass and copper alloys, with additional copper-silver and copper-nickel plating, enhances conductivity and durability. The connector's polyethylene insulator ensures high electrical insulation, optimising performance across varying conditions.

Ideal for environments requiring frequent connections and disconnections, the connector supports over 500 mating cycles. It handles peak power levels of up to 2 kW and operates efficiently within a temperature range of -40 °C to 85 °C, making it suitable for both indoor and outdoor installations. The connector's PIM rating of ≤ -155 dBc ensures minimal...

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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

Outer Contact Resistance

≤ 0.2 mΩ

RF Operating Voltage

≤ 2700 Vrms

VSWR Measurement

Frequency Return Loss

900 MHz ≤ 40 dB

1600 MHz ≤ 21 dB

Physical Specification

Cable Group

[7/8 Corrugated](#)

Body Material

[Brass](#)

Insulator Material

[Polyethylene \(PE\)](#)

Dimensions

59 x 36

Weight

150 g

Compliance/Certifications

[RoHS](#)

Conductor Attachment

[Cable, Captivated](#)

Contact Material

[Copper Alloy](#), [Brass](#)

Contact Plating

[Copper-Silver Alloy \(Cu₂Ag₅ / Cu₂Ag₃\)](#), [Copper-Nickel \(Cu₂Ni₅\)](#)

Min. Operating Temperature

-40 °C

Max. Operating Temperature

85 °C

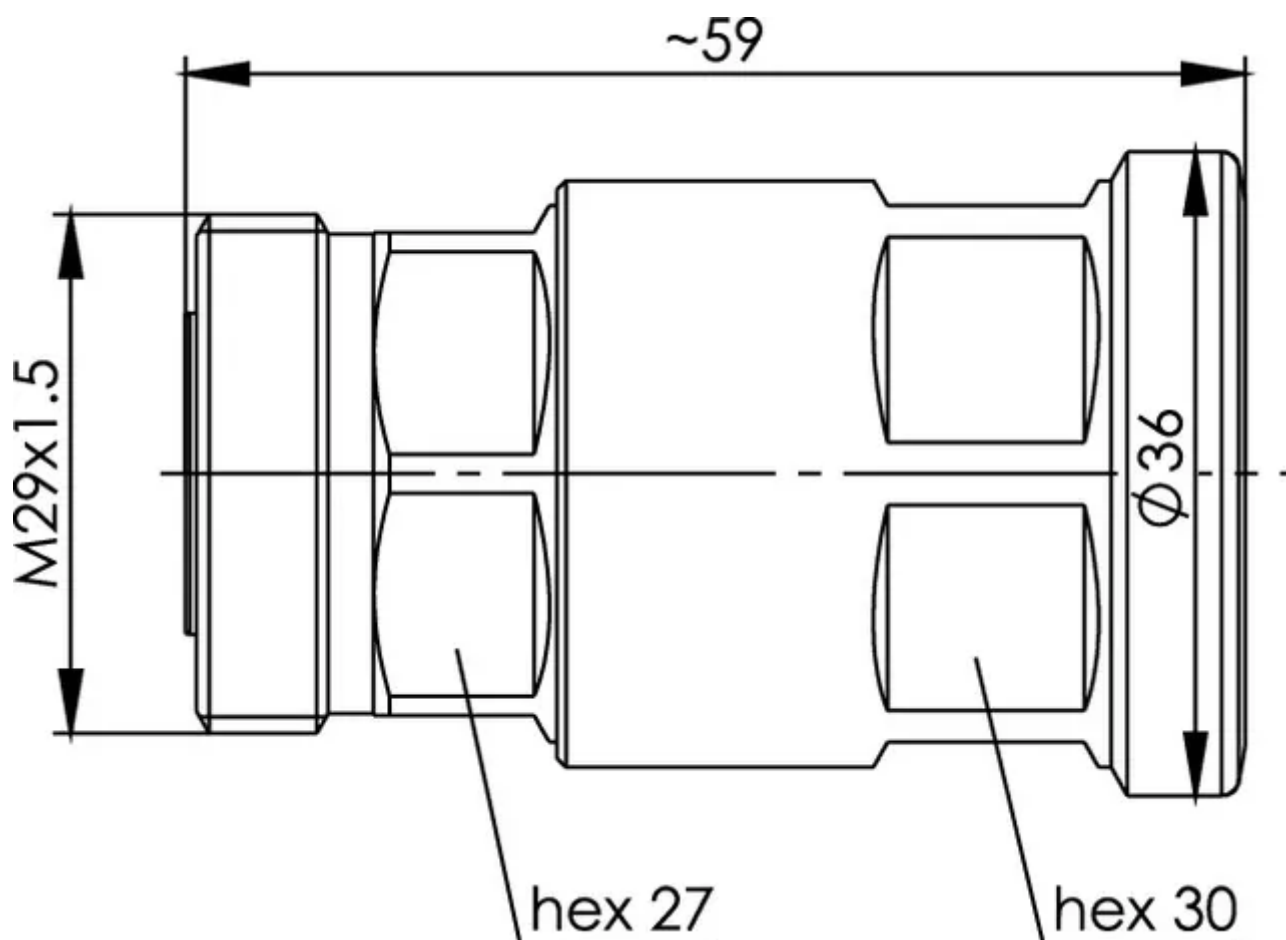
Ingress Protection

[IP68](#)

Mating Cycles

> 500

Drawing



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