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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 mΩ
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

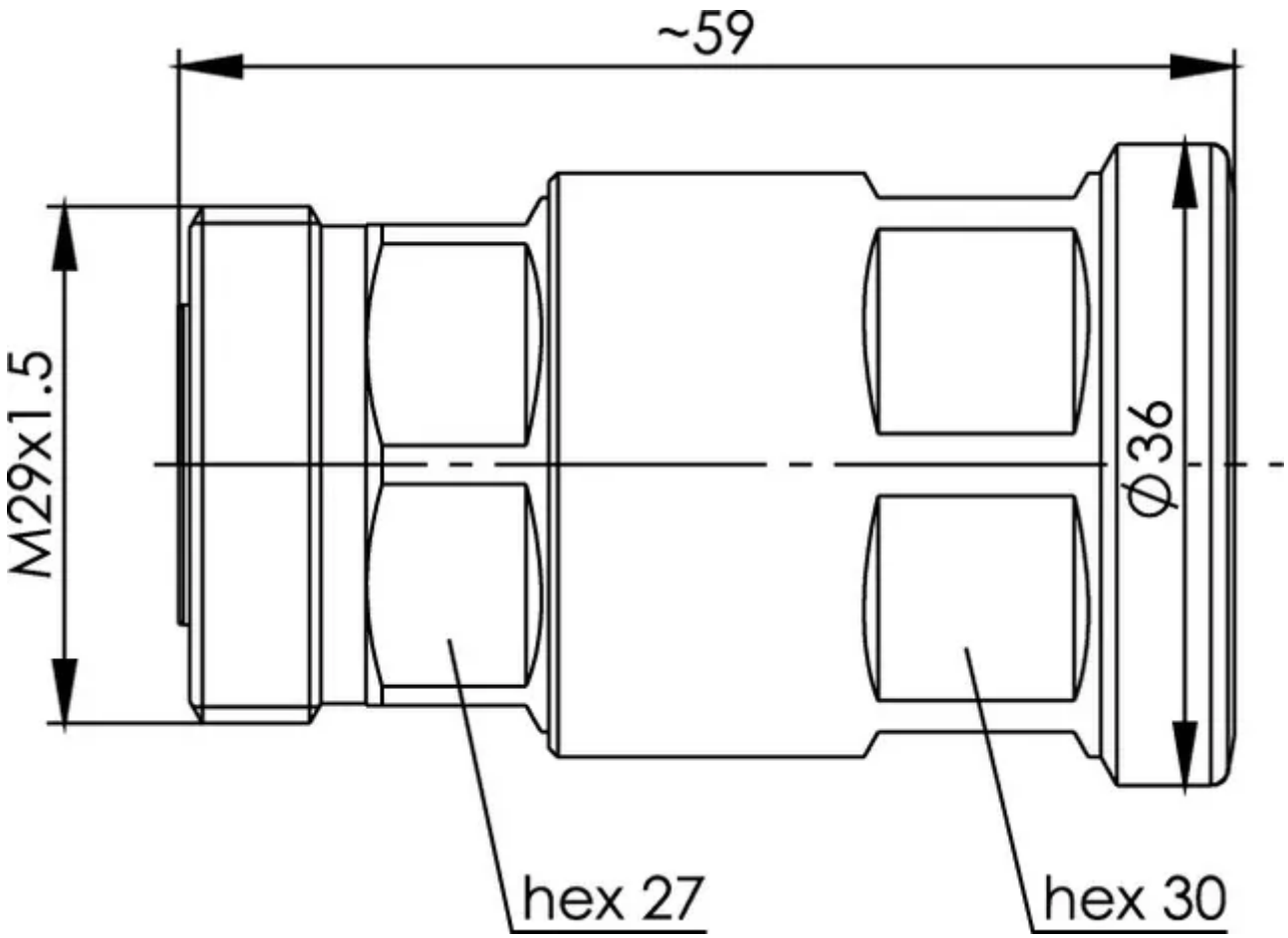
Ingress Protection

IP68

Mating Cycles

> 500

Drawing



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