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# **Telegartner NEX10(r) Female 4-Hole Flange Connector for RG-402 Cable, Panel Jack G10 (UT-141)**

SKU  
ACC-TG-00045  
MPN  
100032936

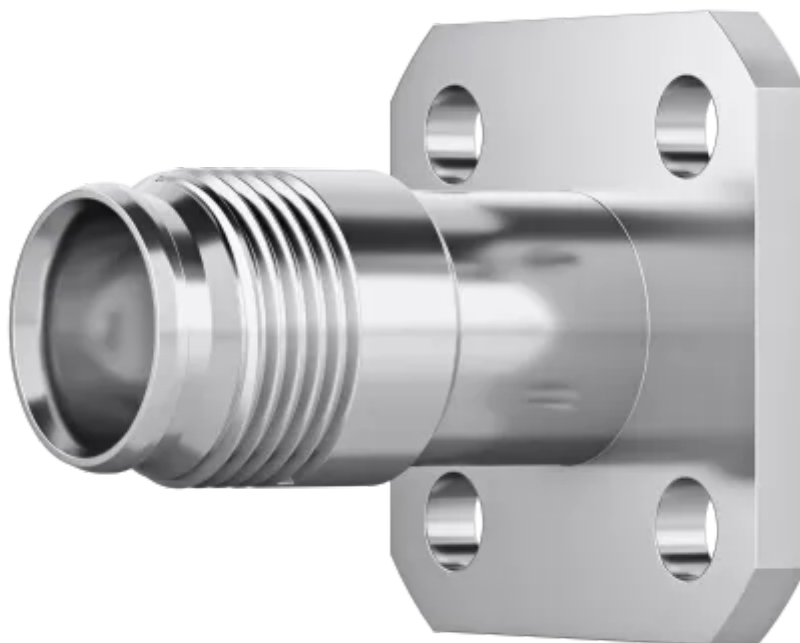
## Description

The Telegärtner NEX10® Female 4-Hole Flange Connector (SKU: ACC-TG-00045, Part Number: 100032936) is designed for high-performance RF applications, specifically for use with RG-402 cables. Featuring a straight body and 4-Hole Flange Front Mount, this connector ensures secure and efficient connections. With a robust brass body and gunmetal plating, it offers excellent durability, while the beryllium-copper-lead contacts with copper-silver alloy plating provide superior conductivity.

The connector's PTFE insulator allows it to withstand temperatures from -55 °C to 125 °C, making it suitable for various environmental conditions. It supports up to 100 mating cycles, operating efficiently across a frequency range of 0 to 6 GHz, with an input impedance of 50 Ω. The connector boasts a 3rd Order PIM rating of  $\leq -160$  dBc and can handle RF operating voltages up to 1000 Vrms.

This product meets ISO 9001 and RoHS compliance standards, ensuring...

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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**

[NEX10 Female Straight](#)

[4-Hole Flange](#)

## **RF Specification**

Start Frequency

0 GHz

Stop Frequency

6 GHz

Peak Power

0.1 kW

PIM, 3rd Order

$\leq -160$  dBc

Input Impedance

50  $\Omega$

RF Operating Voltage

$\leq 1000$  Vrms

VSWR Measurement

**Frequency Return Loss**

2000 MHz ≤ 36 dB

4000 MHz ≤ 32 dB

6000 MHz ≤ 28 dB

## Physical Specification

Cable Group

[RG-402](#)

Body Material

[Brass](#)

Body Plating

[CuSnZn3](#)

Insulator Material

[PTFE / Teflon](#)

Dimensions

24.1 × 20 × 20

Compliance/Certifications

[ISO 9001 Quality Management](#)

,

[RoHS](#)

Conductor Attachment

[Cable, Solder](#)

Contact Material

[Beryllium-Copper-Lead \(CuBe2Pb\)](#)

Contact Plating

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

Min. Operating Temperature

-55 °C

Max. Operating Temperature

125 °C

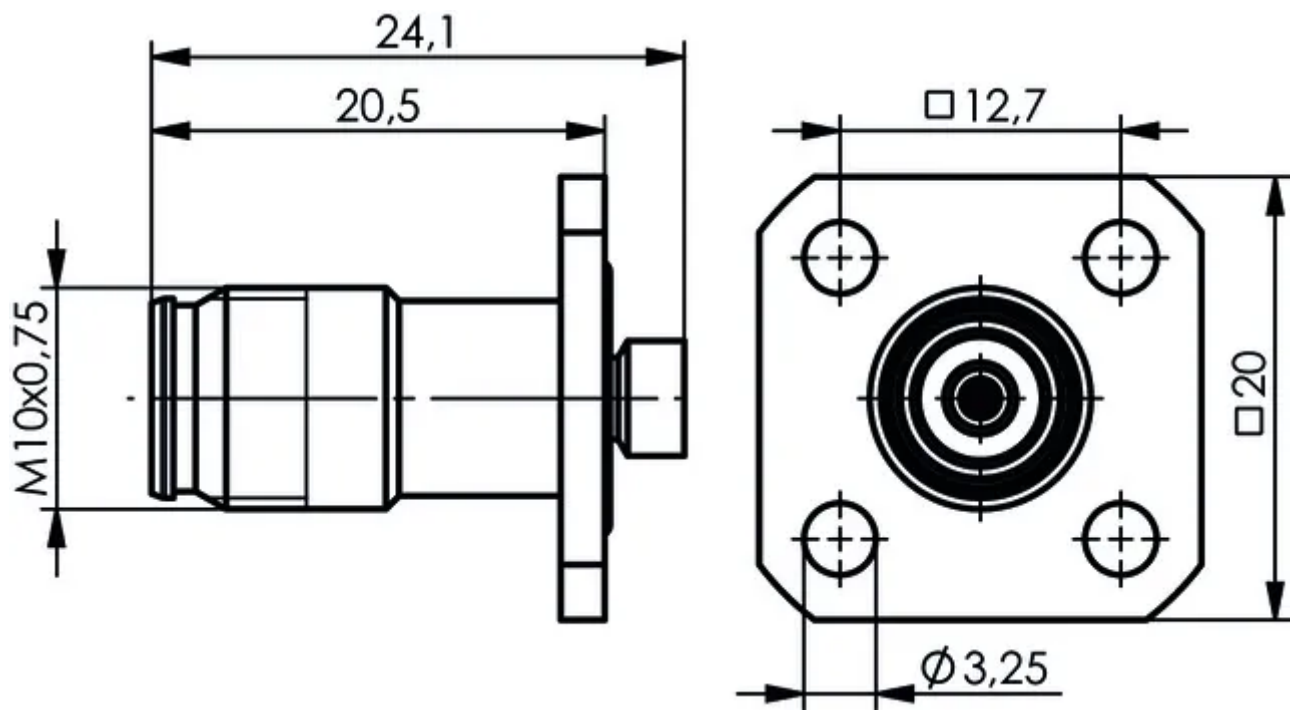
Ingress Protection

[IP68](#)

Mating Cycles

> 100

Drawing



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