

# Telegartner 4.3-10 angle plug, Screw Type, clamp/clamp, G23 (1/2" Flex), SIMFix Pro

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## Description

The Telegartner 4.3-10 angle plug is a high-performance coaxial RF connector designed for telecommunications and data communication applications. Engineered for reliability in demanding environments, this connector is ideal for use with 1/2" corrugated cables in mobile networks, broadcast systems, and industrial settings. Its right-angle design facilitates easy installation in tight spaces, while the screw-type, clamp/clamp mechanism ensures secure cable attachment.

Constructed with a robust brass body plated with a copper-silver alloy, the connector offers excellent conductivity and durability. The beryllium copper inner contacts, also copper-silver plated, enhance signal integrity. With a PTFE insulator, it operates efficiently across a wide temperature range from -40 °C to 85 °C, making it suitable for both indoor and outdoor applications.

This connector supports frequencies up to 6 GHz, ensuring high-performance transmission with...

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RF Connector Interface



| RF Interface | Body Shape  | Mounting     |
|--------------|-------------|--------------|
| 4.3-10 Male  | Right Angle | Free Hanging |

## RF Specification Telegartner



As family-owned company the Telegartner 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 Telegartner has seen steady growth and has continually expanded ...

|                  |                         |                           |                             |
|------------------|-------------------------|---------------------------|-----------------------------|
| Start Frequency: | 0 GHz                   | Input Impedance:          | 50                          |
| Stop Frequency:  | 6 GHz                   | Inner Contact Resistance: | $\leq 1 \text{ m}\Omega$    |
| Peak Power:      | 2.5 kW                  | Insulation Resistance:    | $\geq 5000 \text{ m}\Omega$ |
| PIM, 3rd Order:  | $\leq -155 \text{ dBc}$ | Outer Contact Resistance: | $\leq 1 \text{ m}\Omega$    |
|                  |                         | RF Operating Voltage:     | $\leq 1000 \text{ Vrms}$    |

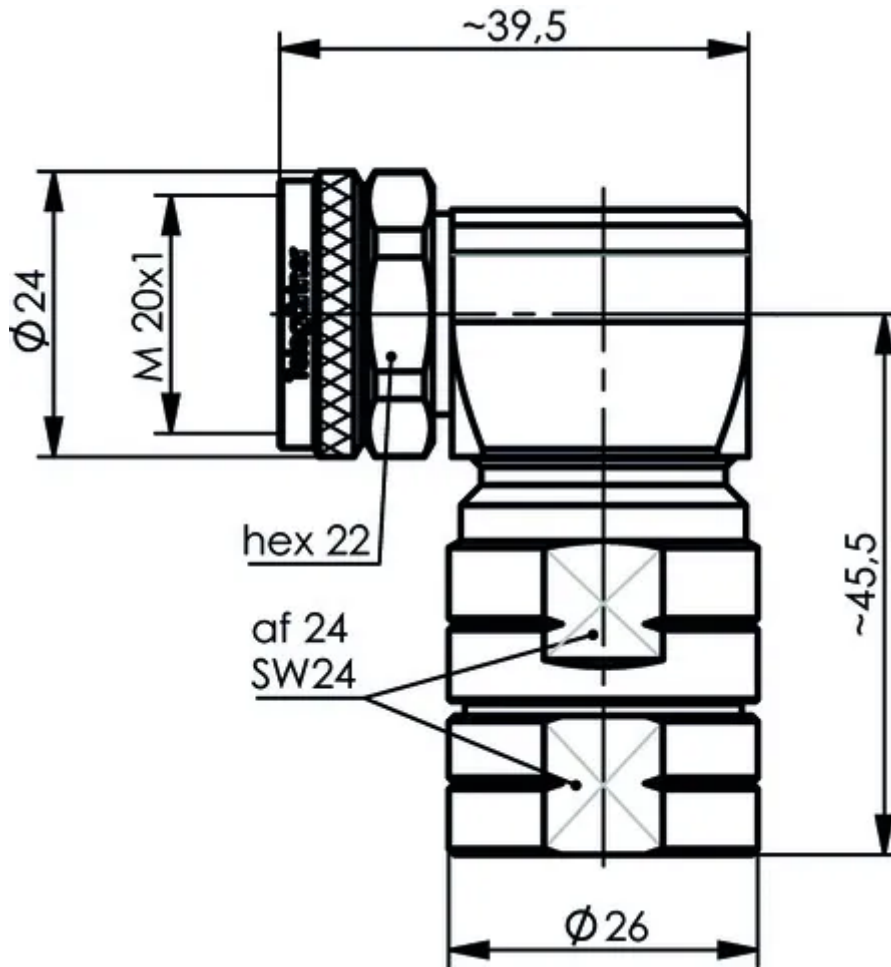
#### VSWR Measurement

| Frequency | VSWR         | Return Loss          | Insertion Loss |
|-----------|--------------|----------------------|----------------|
| 2000 MHz  | $\leq 1.2:1$ | $\leq 34 \text{ dB}$ | 0.15 dB        |

## Physical Specification

|                            |                                       |                             |                                       |
|----------------------------|---------------------------------------|-----------------------------|---------------------------------------|
| Cable Group:               | 1/2 Corrugated                        | Conductor Attachment:       | Cable, Captivated                     |
| Body Material:             | Brass                                 | Contact Material:           | Beryllium Copper                      |
| Body Plating:              | Copper-Silver Alloy (Cu2Ag5 / Cu2Ag3) | Contact Plating:            | Copper-Silver Alloy (Cu2Ag5 / Cu2Ag3) |
| Insulator Material:        | PTFE / Teflon                         | Min. Operating Temperature: | -40 °C                                |
| Dimensions:                | 45.5 x 26                             | Max. Operating Temperature: | 85 °C                                 |
| Weight:                    | 184 g                                 | Ingress Protection:         | IP68                                  |
| Compliance/Certifications: | RoHS                                  | Mating Cycles:              | > 100                                 |

Drawing



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