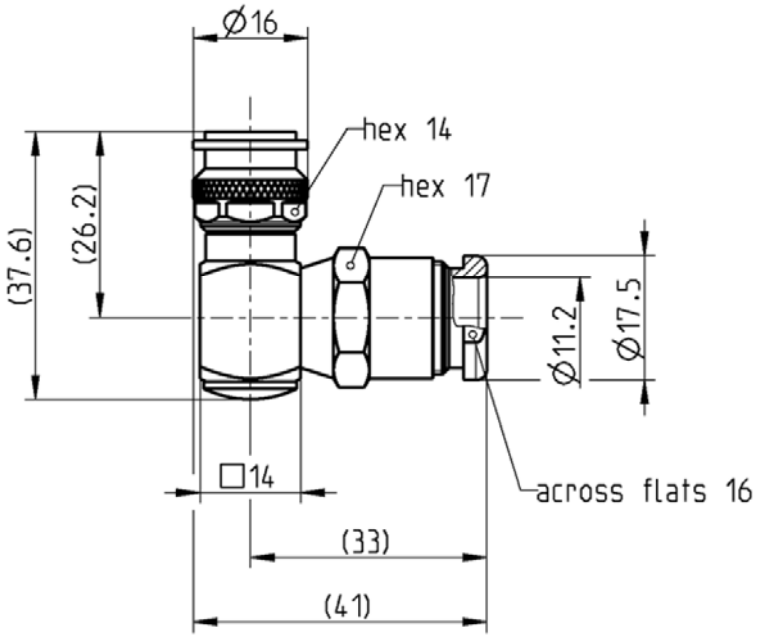
Technical Data Sheet		Rosenberger
TNC 50 Ω	RIGHT ANGLE PLUG	**56S201-015N5**



All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to	IEC 60169-17, MIL-PRF-39012, DIN EN 122200

Documents

Assembly instruction	53 F1

Material and plating

Connector parts	**Material**	**Plating**
Center contact	Brass	AuroDur®, gold plated
Outer contact	Brass	Flash white bronze over silver(e.g. Optargen®)
Body	Brass	Flash white bronze over silver(e.g. Optargen®)
Dielectric	PTFE	
Gasket	NeopreneCR 50C6	
Gasket	Silicone	

Rosenberger Hochfrequenztechnik GmbH & Co. KG
P.O.Box 1260 D-84526 Tittmoning Germany
www.rosenberger.de

Tel. : +49 8684 18-0
Fax : +49 8684 18-499
Email : info@rosenberger.de

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Electrical data

Impedance	50 Ω
Frequency	DC to 10 GHz
Return loss	≥ 30 dB @ DC to 1 GHz ≥ 25 dB @ 1 GHz to 2 GHz ≥ 15 dB @ 2 GHz to 4 GHz
Insertion loss	$\leq 0.05 \times \sqrt{f\,[GHz]}$ dB, DC to 4 GHz
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 1.5 mΩ
Outer contact resistance	≤ 1 mΩ
Test voltage (at sea level)	1500 V rms
Working voltage (at sea level)	500 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	80 W @ 2 GHz

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles	≥ 500
Center contact captivation: axial	≥ 15 N
Coupling test torque	≤ 1.7 Nm
Recommended torque	0.46 Nm to 0.69 Nm

Environmental data

Temperature range	-65 °C to +165 °C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition G
Moisture resistance	MIL-STD-202, Method 106
RoHS	compliant

Tooling

N/A

Suitable cables

RG 213 /U , RG 214 /U

Weight

Weight	57.5 g/pce

Draft	Date	Approved	Date
Inge Mühlauer	10.08.04	Sa. Krautenbacher	20.03.14

Rev.	Engineering change number	Name	Date
e00	14-0352	T. Krojer	20.03.14

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