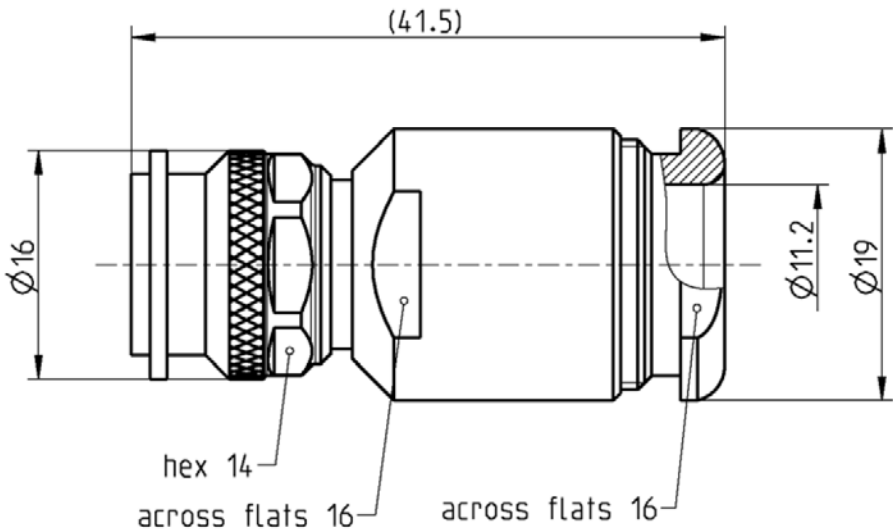


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RF_35/08.13/6.1

Technical Data Sheet		Rosenberger
TNC 50 Ω	STRAIGHT PLUG	56S105-015N5
		
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		51 D
Material and plating		
Connector parts		
Center contact	Material	Plating
Outer contact	Brass	AuroDur®, gold plated
Body	Brass	Flash white bronze over silver(e.g. Optargen®)
Dielectric	Brass	Flash white bronze over silver(e.g. Optargen®)
Gasket	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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Technical Data Sheet				Rosenberger			
TNC 50 Ω		STRAIGHT PLUG		56S105-015N5			
Electrical data Impedance50 Ω FrequencyDC to 10 GHz Return loss≥ 35 dB @ DC to 1 GHz ≥ 30 dB @ 1 GHz to 2.5 GHz ≥ 27 dB @ 2.5 GHz to 4 GHz Insertion loss≤ 0.05 x √ 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 Coupling test torque≤ 1.7 Nm Recommended torque0.46 Nm to 0.69 Nm Environmental data Temperature range-65 °C to +165 °C Thermal shockMIL-STD-202, Method 107, Condition B CorrosionMIL-STD-202, Method 101, Condition B VibrationMIL-STD-202, Method 204, Condition B ShockMIL-STD-202, Method 213, Condition G Moisture resistanceMIL-STD-202, Method 106 Degree of protection (mated pair)IEC 60529, IP 63 RoHScompliant Tooling N/A Suitable cables RG 213 /U , RG 214 /U Weight 41.8 g/pce							
While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.							
Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Inge Mühlauer	10.08.04	Sa. Krautenbacher	20.03.14	e00	14-0352	T. Krojer	20.03.14
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