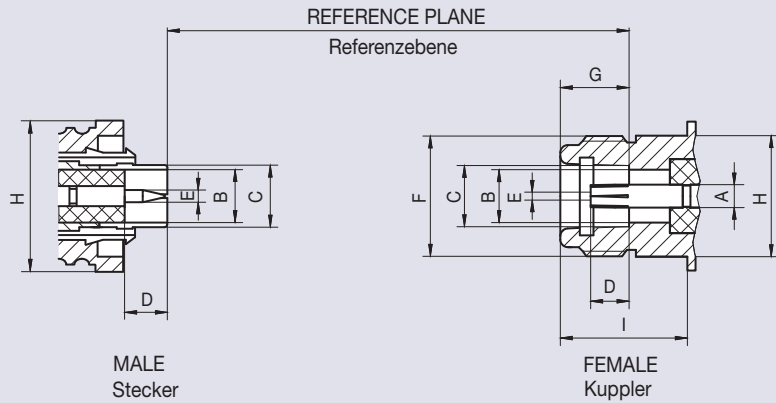


Interface Dimensions SnapN

Code 53Q



	Male Stecker		Female Kuppler	
	min.	max.	min.	max.
A	–	–		Ø 3.04 nom.
B	Ø 7.00 nom.		Ø 7.00 nom.	
C	Ø 8.20	Ø 8.38	Ø 8.027	Ø 8.13
D	5.33	–	4.75	5.26
E	Ø 1.60	Ø 1.676		¹⁾
F	–	–	5/8-24 UNEF-2A	
G	–	–	9.05	9.19
H	Ø 16.00 nom.		–	Ø 15.93
I	–	–	–	10.72

Dimensions in mm

¹⁾ Resilient, dimension to meet electrical and mechanical requirements

Please note: For locking and unlocking units, please always use the latching sleeve

Bitte beachten: Beim Ver- und Entriegeln unbedingt Hülse betätigen

Features

- ▶ Interface according to Rosenberger SnapN
- ▶ Frequency range DC to 11 GHz
- ▶ Return loss (cable connector straight) ≥ 25 dB @ 6 GHz
- ▶ Minimum pitch: 16 mm
- ▶ Flexibility: 360° turnable
- ▶ Impedance 50 Ω
- ▶ SnapN female mateable with N male
- ▶ Quick-lock coupling

Product Range

- ▶ Cable connectors
- ▶ Panel connectors
- ▶ Adaptors

Technical Data SnapN

Code 53Q

Applicable standards Anwendbare Normen	
Interface according to Interface gemäß	Rosenberger SnapN
Interface female according to Interface Kuppler gemäß	IEC 61169-16, CECC 22210, MIL-PRF-39012
Electrical data Elektrische Daten	
Impedance Wellenwiderstand	50 Ω
Frequency range Frequenzbereich	DC to 11 GHz
Return loss (cable connector straight) Rückflussdämpfung (Kabelsteckverbinder gerade)	≥ 32 dB @ DC to 3 GHz ≥ 25 dB @ 3 GHz to 6 GHz ≥ 20 dB @ 6 GHz to 11 GHz
Insertion loss Dämpfung	≤ 0.05 x √f (GHz) dB
Insulation resistance Isolationswiderstand	≥ 5 GΩ
Center contact resistance Übergangswiderstand Innenleiter	≤ 1 mΩ
Outer contact resistance Übergangswiderstand Außenleiter	≤ 1 mΩ
Working voltage Betriebsspannung	500 V rms
Power handling Leistungsbelastbarkeit	300 W @ 2.5 GHz
RF leakage - Interface Schirmdämpfung	≥ 90 dB @ DC to 3 GHz ≥ 80 dB @ 3 GHz to 6 GHz
Intermodulation 3rd order Intermodulation 3. Ordnung	≤ -155 dBc (2 x 43 dBm)
Mechanical data Mechanische Daten	
Mating cycles Steckzyklen	≥ 200
Center contact captivation Innenleiter Haltekraft	axial: ≥ 28 N radial: ≥ 3 Ncm
Engagement force Steckkraft	30 N (typ.)
Disengagement force Ziehkraft	30 N (typ.)
Pitch Packungsdichte	≥ 16 mm
Environmental data Umweltdaten	
Temperature range Temperaturbereich	-40 °C to +125 °C
Thermal shock Temperaturzyklen	IEC 60169-1, Sub-clause 16.4 (-40 °C / +125 °C)
Damp heat Feuchte Wärme	IEC 60169-1, Sub-clause 16.3
Climatic sequence Klimasequenz	IEC 60169-1, Sub-clause 16.2, 40/125/21
Vibration Vibration	MIL-STD-202, Method 204, Condition A
Shock Schock	MIL-STD-202, Method 213, Condition I
Max. soldering temperature (PCB connectors) Max. Löttemperatur (Leiterplattensteckverbinder)	IEC 61760-1, +260 °C for 10 sec.
Materials Materialien	
Spring loaded contact parts Federnde Kontaktteile	CuBe / CuSn, Au plating
Center contact Innenleiter	CuZn, Au plating
Outer contact Außenleiter	CuZn, white bronze plating
Body Gehäuse	CuZn, white bronze plating
Locking sleeve Verriegelungshülse	CuZn, white bronze plating
Crimping ferrule Crimphülse	Cu, white bronze plating
Dielectric Dielektrikum	PTFE
Gasket Dichtung	Silicone

Rosenberger connectors generally fulfill the indicated technical data. Individual values of connectors may deviate depending upon application, design, type of cable, assembly method and workmanship. Data sheets for particular products can be downloaded on our website or can be provided on request from your Rosenberger sales partner.

Rosenberger-Steckverbinder erfüllen grundsätzlich die hier angegebenen technischen Daten. Je nach Anwendung, Bauart, Kabeltyp, Montageart und -ausführung können einzelne Werte der Steckverbinder hiervon abweichen. Datenblätter zu einzelnen Produkten können Sie von unserer Website herunterladen oder auf Anfrage von Ihrem Rosenberger-Ansprechpartner erhalten.