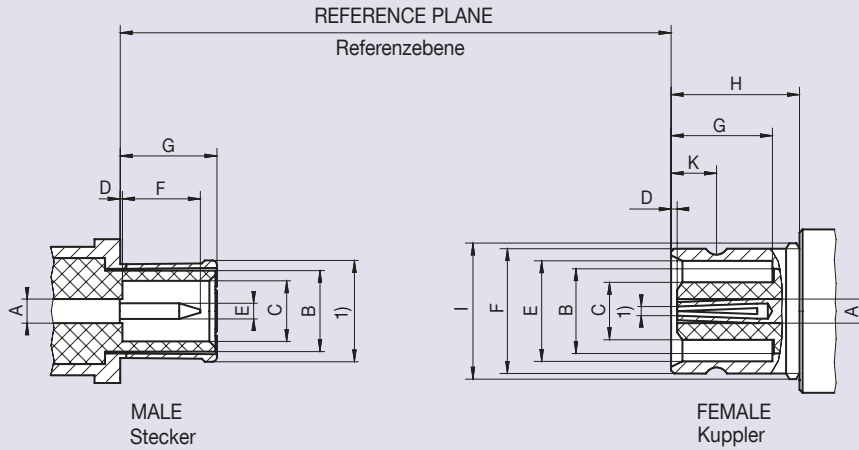


1.6-5.6

Interface Dimensions 1.6-5.6

Code 78 / 88



	Male Stecker		Female Kuppler	
	min.	max.	min.	max.
A	Ø 1.60 nom.		Ø 1.60 nom.	
B	Ø 5.60 nom.		Ø 5.60 nom.	
C	Ø 4.00	–	–	Ø 3.80
D	–	0.15	0.25	–
E	Ø 0.97	Ø 1.03	Ø 6.60	Ø 6.69
F	–	5.50	Ø 8.10	Ø 8.25
G	6.40	6.60	6.70	–
H	–	–	9.70	–
I	–	–	M 9 x 0.5	
K	–	–	2.90	3.10

Dimensions in mm

Features

- ▶ Interface according to CECC 22240
- ▶ Frequency range DC to 4 GHz (II. Gen.), DC to 12 GHz (III. Gen.)
- ▶ Return loss (cable connector straight) ≥ 27 dB @ 1 GHz to 2 GHz
- ▶ Impedance 75 Ω

Product Range

- ▶ Cable connectors
- ▶ PCB connectors
- ▶ Adaptors

Coupling mechanisms, male types:

- ▶ Type A: Screw-on coupling
Screwing plug and jack by hand using a coupling nut
- ▶ Type B: Snap-on coupling
Male connector with spring mechanism, snaps into slot on female connector body
- ▶ Type C: Slide-on coupling with centering sleeve
Conical insertion guide of floating male connector facilitates connection to fixed female connectors. The interconnection is a slide fit.
- ▶ Type F: Quick-lock coupling mechanism
Quick-lock coupling mechanism for fast, easy and reliable connections in tightest spaces, assembly tools not necessary.

Technical Data 1.6-5.6

Code 78 / 88

Applicable standards Anwendbare Normen	
Interface according to Interface gemäß	CECC 22240
Electrical data Elektrische Daten	
Impedance Wellenwiderstand	75 Ω
Frequency range Frequenzbereich	DC to 4 GHz (II. generation) DC to 12 GHz (III. generation)
Return loss (cable connector straight) Rückflussdämpfung (Kabelsteckverbinder gerade)	≥ 33 dB @ DC to 1 GHz (III. generation) ≥ 27 dB @ 1 GHz to 2 GHz (III. generation) ≥ 20 dB @ 2 GHz to 4 GHz (III. generation)
Insertion loss Dämpfung	≤ 0.1 x √f (GHz) dB
Insulation resistance Isolationswiderstand	≥ 10 GΩ
Center contact resistance Übergangswiderstand Innenleiter	≤ 4 mΩ
Outer contact resistance Übergangswiderstand Außenleiter	≤ 2 mΩ
Test voltage Prüfspannung	1000 V rms
Working voltage Betriebsspannung	330 V rms
RF leakage - Interface Schirmdämpfung	≥ 100 dB @ DC to 1 GHz (Type A)
Mechanical data Mechanische Daten	
Mating cycles Steckzyklen	≥ 500
Center contact captivation Innenleiter Haltekraft	axial: ≥ 30 N
Engagement force Steckkraft	2.2 N to 12 N (Type A) 18 N to 50 N (Type F)
Disengagement force Ziehkraft	2.2 N to 12 N (Type A) 18 N to 50 N (Type F)
Environmental data Umweltdaten	
Temperature range Temperaturbereich	-40 °C to +85 °C
Dry heat Trockene Wärme	IEC 60068-2-2
Damp heat Feuchte Wärme	IEC 60068-2-78
Climatic category Klimakategorie	IEC 60068-2-1 40/85/21
Vibration Vibration	IEC 60068-2-6 (10 Hz to 2000 Hz, 100 m/s ²)
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, Au plating
Body Gehäuse	CuZn, Ni plating
Crimping ferrule Crimphülse	Cu, white bronze plating
Dielectric Dielektrikum	PTFE (II. generation) LCP or equivalent (III. generation)

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.