

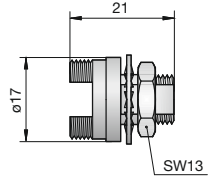
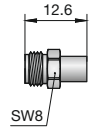
Technical Data RPC-SL 40 GHz

Applicable standards Anwendbare Standards	
Interface according to <i>Interface gemäß</i>	Interchangeable port connector system
Electrical data Elektrische Daten	
Impedance <i>Wellenwiderstand</i>	50 Ω
Frequency range <i>Frequenzbereich</i>	DC to 40 GHz
Return loss (mated pair) <i>Rückflußdämpfung (gestecktes Paar)</i>	≥ 19 dB, DC to 40 GHz
Insertion loss (mated pair) <i>Dämpfung (gestecktes Paar)</i>	≤ 0.04 dB x f [GHz]
Insulation resistance <i>Isolationswiderstand</i>	≥ 5 G Ω
Center contact resistance <i>Übergangswiderstand Innenleiter</i>	≤ 3.0 m Ω
Outer contact resistance <i>Übergangswiderstand Außenleiter</i>	≤ 2.0 m Ω
Test voltage <i>Prüfspannung</i>	750 V rms
Working voltage <i>Betriebsspannung</i>	250 V rms
RF-leakage <i>Schirmdämpfung</i>	≥ 100 dB up to 1 GHz
Mechanical data Mechanische Daten	
Mating cycles <i>Steckzyklen</i>	≥ 3000
Center contact captivation <i>Innenleiter Haltekraft</i>	≥ 22 N
Coupling torque recommended <i>Anzugsdrehmoment empfohlen</i>	2.0 Nm
Environmental data Umweltdaten	
Temperature range <i>Temperaturbereich</i>	-40 °C to +85 °C
Thermal shock <i>Temperaturzyklen</i>	MIL-STD 202, Method 107, Condition B
Corrosion resistance <i>Korrosionsbeständigkeit</i>	MIL-STD 202, Method 101, Condition B
Vibration <i>Vibration</i>	MIL-STD 202, Method 204, Condition D
Shock <i>Schock</i>	MIL-STD 202, Method 213, Condition I
Moisture resistance <i>Feuchtigkeitsbeständigkeit</i>	MIL-STD 202, Method 106
Max. soldering temperature <i>Maximale Löttemperatur</i>	IEC 61760-1, +260 °C for 10 sec.
Materials Materialien	
Center contact <i>Innenleiter</i>	Beryllium copper, gold-plated
Outer contact <i>Außenleiter</i>	Stainless steel, gold-plated
Dielectric <i>Dielektrikum</i>	PS

Rosenberger-connectors fulfill in principle the indicated data of the Technical Data. Individual values of connectors may deviate depending upon application, design, type of cable, assembly method and execution. Specific data sheets for particular products can be provided on request from your Rosenberger sales partner.

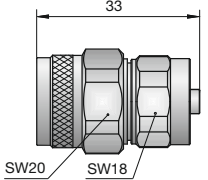
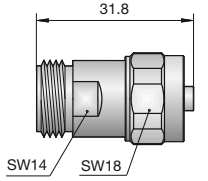
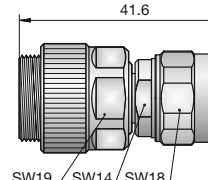
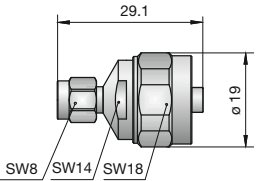
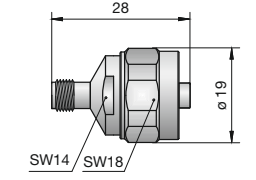
Rosenberger-Steckverbinder erfüllen grundsätzlich die in den Technischen Daten angegebenen Daten. Je nach Anwendung, Bauart, Kabeltyp, Montageart und -ausführung können einzelne Werte von Steckverbindern hiervon abweichen. Spezifische Datenblätter zu einzelnen Produkten erhalten Sie auf Anfrage von Ihrem Rosenberger-Ansprechpartner.

Adaptor and Cable Clamp RPC-SL 40 GHz

Ordering Number	Version	Remarks	Return Loss	Cable Group	Assembly Instruction	Panel Piercing / PCB Layout	
P4 K 52A-K00 S3	straight	RPC-SL 40 GHz female - female, panel mount, round flange	≥ 21 dB @ DC to 26.5 GHz ≥ 16 dB @ 26.5 to 40 GHz			MB 82	
02 Z 001-2W9 D	straight	RPC-2.92 cable clamp for P4K52A-K00S3, UT 118		W9	03 A		

Test Cables & Interchangeable Port Connectors

Adaptor RPC-SL 40 GHz

Ordering Number	Version	Remarks	Return Loss	
05 S 1P4-S00 S3	straight	RPC-N 50 Ω male - RPC-SL 40 GHz male, max. Frequency 18 GHz	≥ 21 dB @ DC to 18 GHz	
05 K 1P4-S00 S3	straight	RPC-N 50 Ω female - RPC-SL 40 GHz male, max. Frequency 18 GHz	≥ 21 dB @ DC to 18 GHz	
07 P 1P4-S00 S3	straight	RPC-7 - RPC-SL 40 GHz male, max. Frequency 18 GHz	≥ 21 dB @ DC to 18 GHz	
02 S 1P4-S00 S3	straight	RPC-2.92 male - RPC-SL 40 GHz male	≥ 21 dB @ DC to 26.5 GHz ≥ 19 dB @ 26.5 to 40 GHz	
02 K 1P4-S00 S3	straight	RPC-2.92 female - RPC-SL 40 GHz male	≥ 21 dB @ DC to 26.5 GHz ≥ 19 dB @ 26.5 to 40 GHz	

Ordering Number	Version	Remarks	Return Loss	
09 S 1P4-S00 S3	straight	RPC-2.40 male - RPC-SL 40 GHz male	≥ 21 dB @ DC to 26.5 GHz ≥ 19 dB @ 26.5 GHz to 40 GHz	
09 K 1P4-S00 S3	straight	RPC-2.40 female - RPC-SL 40 GHz male	≥ 21 dB @ DC to 26.5 GHz ≥ 19 dB @ 26.5 GHz to 40 GHz	

Torque Wrench

Ordering Number	Remarks	
04 W 021-000	flat 18 mm - 2 Nm torque for RPC-SL 26.5 GHz, RPC-SL 40 GHz	