

SMA



SMA coaxial connectors are high quality screw-on coupling connectors with defined maximum torque and feature high reliability, long service life, high mechanical stability and excellent electrical characteristics, in particular high return loss. SMA connectors can be applied in various RF applications up to 18 GHz, e.g. telecommunication and mobile communication, test & measurement equipment and instruments.

SMA-Koaxial-Steckverbinder sind qualitativ hochwertige Schraubsteckverbinder mit definiertem Anzugsdrehmoment und zeichnen sich aus durch höchstmögliche Zuverlässigkeit, hohe mechanische Stabilität, lange Lebensdauer und hervorragende elektrische Eigenschaften, insbesondere hohe Rückflussdämpfung. SMA-Steckverbinder sind bis in einen Frequenzbereich bis 18 GHz äußerst vielseitig einsetzbar, z. B. in der Telekommunikation, im Mobilfunk oder in der industriellen Messtechnik.

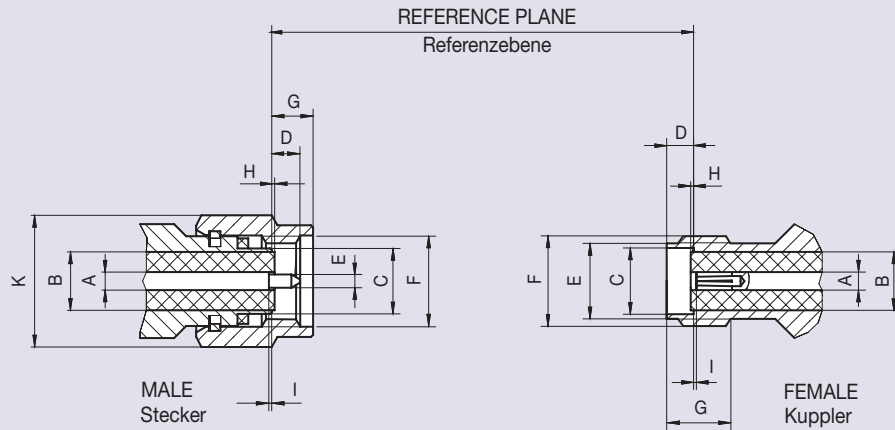
SMA

SMA



Interface Dimensions SMA

Code 32



	Male Stecker		Female Kuppler	
	min.	max.	min.	max.
A	Ø 1.245	Ø 1.295	Ø 1.245	Ø 1.295 ¹⁾
B	–	Ø 4.178	–	Ø 4.178
C	–	Ø 4.59	Ø 4.60	Ø 4.67
D	–	2.54	1.88	1.98
E	Ø 0.902	Ø 0.940	Ø 5.28	Ø 5.49
F	1/4-36 UNS-2B		1/4-36 UNS-2A	
G	–	3.43	4.32	–
H	-0.18	+0.05	-0.18	+0.05
I	0.00	–	0.00	0.41
K	hex 8		–	–

Dimensions in mm

¹⁾Contact diameter refers to 50 Ω

Features

- ▶ Interface according to IEC 60169-15, EN 122110, MIL-STD-348A, Fig. 310
- ▶ Frequency range DC to 18 GHz
- ▶ Return loss (cable connector straight) ≥ 30 dB (typ.)
- ▶ Impedance 50 Ω
- ▶ Screw-on coupling

Product Range

- ▶ Cable connectors
- ▶ PCB connectors
- ▶ Panel connectors
- ▶ Hermetically sealed versions
- ▶ Adaptors
- ▶ Terminations
- ▶ Tools and Accessories

Technical Data SMA

Code 32

Applicable standards Anwendbare Normen	
Interface according to Interface gemäß	IEC 60169-15, EN 122110, MIL-STD-348A, Fig. 310
Electrical data Elektrische Daten	
Impedance Wellenwiderstand	50 Ω
Frequency range Frequenzbereich	DC to 18 GHz
Return loss (cable connector straight) Rückflusdämpfung (Kabelsteckverbinder gerade)	≥ 30 dB (typ.)
Insertion loss Dämpfung	≤ 0.04 x √f (GHz) dB
Insulation resistance Isolationswiderstand	≥ 5 GΩ
Center contact resistance Übergangswiderstand Innenleiter	≤ 3 mΩ
Outer contact resistance Übergangswiderstand Außenleiter	≤ 2 mΩ
Test voltage Prüfspannung	1000 V rms
Working voltage Betriebsspannung	480 V rms
Power handling Leistungsbelastbarkeit	200 W @ 2 GHz
RF leakage - Interface Schirmdämpfung	≥ 100 dB @ DC to 1 GHz
Mechanical data Mechanische Daten	
Mating cycles Steckzyklen	CuBe or equivalent / stainless steel: ≥ 500 CuZn: ≥ 100
Coupling nut retention Überwurfmutter Haltekraft	CuBe or equivalent / stainless steel: ≥ 270 N CuZn: ≥ 180 N
Center contact captivation Innenleiter Haltekraft	CuBe or equivalent / stainless steel: axial: ≥ 27 N, radial: ≥ 3 Ncm CuZn: axial: ≥ 20 N, radial: ≥ 1 Ncm
Coupling test torque Prüfdrehmoment	CuBe or equivalent / stainless steel: ≤ 1.7 Nm CuZn: ≤ 0.6 Nm
Coupling torque recommended Drehmoment empfohlen	CuBe or equivalent / stainless steel: 0.8 Nm to 1.1 Nm CuZn: 0.5 Nm
Environmental data Umweltdaten	
Temperature range Temperaturbereich	-65 °C to +165 °C
Thermal shock Temperaturzyklen	MIL-STD-202, Method 107, Condition B
Corrosion resistance Korrosionsbeständigkeit	MIL-STD-202, Method 101, Condition B
Moisture resistance Feuchtigkeitsbeständigkeit	MIL-STD-202, Method 106
Vibration Vibration	MIL-STD-202, Method 204, Condition D
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, Au plating
Center contact Innenleiter	CuZn, Au plating
Outer contact Außenleiter	CuBe or equivalent, Au / white bronze plating Stainless steel, passivated / Au plating CuZn, Au / white bronze plating
Body Gehäuse	CuBe or equivalent, Au / white bronze plating Stainless steel, passivated / Au plating CuZn, Au / white bronze plating
Coupling nut Überwurfmutter	CuBe or equivalent, Au / white bronze plating Stainless steel, passivated / Au plating CuZn, Au / white bronze plating
Crimping ferrule Crimphülse	Cu, Au / white bronze plating
Dielectric Dielektrikum	PTFE
Gasket Dichtung	Silicon / Rubber


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.

Cable Connectors Semi-Rigid Cables




Straight Plug, solder without pin, without dielectric

Semi-Rigid Cables

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	Cable Group	
32 S 121-272 S	107723	100	standard	Outer Contact: CuBe or equivalent, Au plating Coupling Nut: stainless steel, passivated	72	


Straight Plug, solder soldered center contact

Semi-Rigid Cables

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	Cable Group	
32 S 101-270 L5	101755	25	standard	CuBe or equivalent, Au plating	70	
32 S 102-271 L5	180587	100	standard	CuBe or equivalent, Au plating MIL-PRF-39012/79-4005	71	
32 S 102-272 L5	180309	100	standard	CuBe or equivalent, Au plating MIL-PRF-39012/79-4006	72	
32 S 122-271 S5	180644	100	standard	Outer Contact: CuBe or equivalent, Au plating Coupling Nut: stainless steel, passivated MIL-PRF-39012/79-3005	71	
32 S 122-272 S5	180810	100	standard	Outer Contact: CuBe or equivalent, Au plating Coupling Nut: stainless steel, passivated MIL-PRF-39012/79-3006	72	


Right Angle Plug, solder

Semi-Rigid Cables

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	Cable Group	
32 S 206-271 L5	180059	100	standard	CuBe or equivalent, Au plating	71	
32 S 206-272 L5	181242	100	standard	CuBe or equivalent, Au plating	72	


Straight Jack, solder

Semi-Rigid Cables

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	Cable Group	
32 K 101-271 L5	180113	25	standard	CuBe or equivalent, Au plating MIL-PRF-39012/81-4005	71	
32 K 101-272 L5	180118	25	standard	CuBe or equivalent, Au plating MIL-PRF-39012/81-4006	72	


Panel Jack, solder, 4-hole flange

Semi-Rigid Cables

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	Cable Group	
32 K 401-271 L5	180466	50	blister	CuBe or equivalent, Au plating 4-hole flange 12.7 mm 4 x Ø 2.6 mm MIL-PRF-39012/82-4005	71	
32 K 401-272 L5	106458	25	standard	CuBe or equivalent, Au plating 4-hole flange 12.7 mm 4 x Ø 2.6 mm MIL-PRF-39012/82-4006	72	

Panel Jack, solder, hexagonal flange




Semi-Rigid Cables

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	Cable Group	
32 K 601-271 L5	186139	50	standard	CuBe or equivalent, Au plating hexagonal flange rear mount MIL-PRF-39012/83-4005	71	
	144810	100	standard		71	
32 K 601-272 L5	180816	25	standard	CuBe or equivalent, Au plating hexagonal flange rear mount MIL-PRF-39012/83-4006	72	

Cable Connectors - Flexible Cables




Straight Plug, solder-crimp

Flexible Cables

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	Cable Group	
32 S 107-302 L5	104941	100	standard	CuBe or equivalent, Au plating	02	
32 S 107-303 L5	183429	100	standard	CuBe or equivalent, Au plating	03	
32 S 107-306 L5	105601	100	standard	CuBe or equivalent, Au plating	06	
32 S 107-307 L5	107400	100	standard	CuBe or equivalent, Au plating	07, 08	
32 S 107-302 N5	272663	100	standard	CuBe or equivalent, White bronze plating	02	
32 S 107-303 N5	272668	100	standard	CuBe or equivalent, White bronze plating	03	
32 S 107-307 N5	272669	100	standard	CuBe or equivalent, White bronze plating	07	



Right Angle Plug, solder-crimp

Flexible Cables

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	Cable Group	
32 S 207-302 L5	180969	100	standard	CuBe or equivalent, Au plating	02	
32 S 207-303 L5	108424	100	standard	CuBe or equivalent, Au plating	03	
32 S 207-306 L5	100422	100	standard	CuBe or equivalent, Au plating	06	
32 S 207-307 L5	100866	100	standard	CuBe or equivalent, Au plating	07, 08	
32 S 207-303 N5	272672	100	standard	CuBe or equivalent, White bronze plating	03	
32 S 207-306 N5	273730	100	standard	CuBe or equivalent, White bronze plating	06	
32 S 207-307 N5	272675	100	standard	CuBe or equivalent, White bronze plating	07	


Straight Jack, solder-crimp

Flexible Cables

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	Cable Group	
32 K 107-302 L5	105180	25	standard	CuBe or equivalent, Au plating	02	
32 K 107-303 L5	103075	25	standard	CuBe or equivalent, Au plating	03	
32 K 107-306 L5	103935	25	standard	CuBe or equivalent, Au plating	06	
32 K 107-307 L5	105796	25	standard	CuBe or equivalent, Au plating	07, 08	



Panel Jack, solder-crimp, 4-hole flange

Flexible Cables

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	Cable Group	
32 K 407-302 L5	108093	25	standard	CuBe or equivalent, Au plating 4-hole flange 12.7 mm 4 x Ø 2.6 mm	02	
32 K 407-303 L5	107890	25	standard	CuBe or equivalent, Au plating 4-hole flange 12.7 mm 4 x Ø 2.6 mm	03	

Panel Jack, solder-crimp, hexagonal flange

Flexible Cables

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	Cable Group	
32 K 607-302 L5	104992	50	standard	CuBe or equivalent, Au plating hexagonal flange rear mount	02	
32 K 607-303 L5	105326	25	standard	CuBe or equivalent, Au plating hexagonal flange rear mount	03	
32 K 607-303 N5	272677	25	standard	CuBe or equivalent, White bronze plating hexagonal flange rear mount	03	

Panel Connectors - Solder End

Panel Jack, 4-hole flange

Solder End

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
32 K 421-200 E3	105829	25	blister	stainless steel, Au plating 4-hole flange 12.7 mm 4 x Ø 2.6 mm MIL-PRF-39012/60-3001	

Right Angle Panel Jack, 4-hole flange

Solder End

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
32 K 241-200 L5	143090	100	blister	CuZn, Au plating 4-hole flange 12.7 mm 4 x Ø 2.6 mm	


Panel Jack, 2-hole flange

Solder End

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
32 K 701-200 E3	101418	50	blister	stainless steel, Au plating 2-hole flange 16 mm 2 x Ø 2.6 mm MIL-PRF-39012/60-4002	

Panel Jack, hexagonal flange


Solder End

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
32 K 603-200 L5	101268	50	standard	CuBe or equivalent, Au plating hexagonal flange rear mount	

Panel Connectors - Coaxial End


Panel Plug Straight Terminal
4-hole flange

Coaxial End

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
32 S 422-500 S5	104346	25	standard	stainless steel, passivated 4-hole flange 12.7 mm 4 x Ø 2,6 mm length 30.6 mm	


Panel Jack, solder mount

Coaxial End

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
32 K 103-5H0 L5	108390	5	blister	CuBe or equivalent, Au plating sealed with a glass feedthru matched to 50 Ω Leakage rate < 10 ⁻⁶ mbar x l / sec. Pressure max. 2 N/mm ² hermetic sealed	


Panel Jack Straight Terminal

Coaxial End

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
32 K 141-500 L5	102188	100	standard	CuZn, Au plating	

Panel Jack Straight Terminal
hexagonal flange

Coaxial End

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
32 K 644-500 L5	106215	50	blister	CuZn, Au plating	


Panel Jack Straight Terminal 4-hole flange

Coaxial End

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
32 K 441-500 L5	180487	50	blister	CuZn, Au plating 4-hole flange 12.7 mm 4 x Ø 2.6 mm length 14.6 mm	
32 K 486-500 L5	107946	50	blister	CuZn, Au plating 4-hole flange 12.7 mm 4 x Ø 2.6 mm length 17 mm	
32 K 44N-500 L5	205084	50	blister	CuZn, Au plating 4-hole flange 12.7 mm 4 x Ø 2.6 mm length 20.5 mm	
32 K 482-500 N5	102800	25	blister	CuZn, white bronze plating 4-hole flange 12.7 mm 4 x Ø 2.6 mm length 21.5 mm	
32 K 449-500 L5	166468	50	blister	CuZn, Au plating 4-hole flange 12.7 mm 4 x Ø 2.6 mm length 27.4 mm	
32 K 402-500 E3	107207	50	blister	stainless steel, Au plating 4-hole flange 12.7 mm 4 x Ø 2.6 mm length 27.4 mm captivated center contact	
32 K 422-500 S5	186127	50	blister	stainless steel, passivated 4-hole flange 12.7 mm 4 x Ø 2.6 mm length 27.4 mm captivated center contact	

Panel Jack Straight Terminal 2-hole flange




Coaxial End

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
32 K 722-500 E3	106766	25	standard	stainless steel, Au plating 2-hole flange 16 mm 2 x Ø 2.6 mm length 27.4 mm captivated center contact	

Panel Connectors - Stripline according MIL M83517


Panel Jack, 4-hole flange

Stripline

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
32 K 421-600 S5	102255	25	blister	stainless steel, passivated 4-hole flange 12.7 mm 4 x Ø 2.6 mm length 12 mm	
32 K 441-600 L5	100392	25	blister	CuZn, Au plating 4-hole flange 12.7 mm 4 x Ø 2.6 mm length 12 mm	
32 K 424-600 S5	104815	25	blister	stainless steel, passivated 4-hole flange 12.7 mm 4 x Ø 2.6 mm length 13.7 mm	


Panel Jack, 2-hole flange

Stripline

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
32 K 724-600 S5	102406	25	blister	stainless steel, passivated 2-hole flange 12.7 mm 2 x Ø 2.6 mm length 13.7 mm	

Panel Jack, 4-hole flange


Microstrip

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
32 K 421-700 S5	106562	25	blister	stainless steel, passivated 4-hole flange 12.7 mm 4 x Ø 2.6 mm length 10.8 mm	

PCB Connectors - SMD


Straight Jack, PCB

SMD

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
32 K 10A-40M L5	142174	100	blister	CuZn, Au plating	



Right Angle Jack, PCB

SMD

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
32 K 242-40M L5	157634	500	tape & reel	CuZn, Au plating	
	103746	100	blister		

Right Angle Panel Jack, PCB, edge mount


SMD

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
32 K 243-40M L5	168322	50	blister	CuZn, Au plating for panel thickness 0 mm to 2.5 mm	
32 K 145-400 L5	180380	100	blister	CuZn, Au plating for panel thickness 1.8 mm	

PCB Connectors - Solder Pin


Straight Jack, PCB

Solder Pin

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
32 K 101-400 L5	180119	100	blister	CuBe or equivalent, Au plating	


Right Angle Jack, PCB

Solder Pin

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
32 K 201-400 L5	180273	100	blister	CuBe or equivalent, Au plating without stand-off	

Right Angle Panel Jack, PCB

Solder Pin

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
32 K 246-400 L5	180442	100	blister	CuZn, Au plating	

Adaptors

Adaptors SMA - SMA

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
32 S 103-S00 L5	101017	1	standard	SMA male - male Outer contact: stainless steel, Au plating Coupling Nut: CuBe or equivalent, Au plating	
32 S 105-K00 L5	180625	1	standard	SMA male - female CuBe or equivalent, Au plating	
32 K 101-K00 L5	183610	1	standard	SMA female - female CuBe or equivalent, Au plating	
32 K 101-KH0 L5	180124	1	standard	SMA female - female CuBe or equivalent, Au plating round flange panel thickness max. 4.8 mm hermetic sealed	
32 K 601-K00 L5	275305	1	standard	SMA female - female CuBe or equivalent, Au plating hexagonal flange panel thickness max. 6.4 mm	
32 S 221-K00 L5	108701	1	standard	SMA male - female right angle CuBe or equivalent, Au plating	
32 S 301-K00 L5	101491	1	standard	SMA female - male - female T-adaptor CuBe or equivalent, Au plating This adaptor is a non-matched 3 dB divider for LF applications	
32 K 301-K00 L5	180464	1	standard	SMA female - female - female T-adaptor CuBe or equivalent, Au plating This adaptor is a non-matched 3 dB divider for LF applications	





Adaptors SMA - P-SMP

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
119 S 132-S00 S5	197285	1	standard	P-SMP male - SMA male	
119 S 132-K00 S5	210521	1	standard	P-SMP male - SMA female	
119 K 132-S00 L5	197683	1	standard	P-SMP female - SMA male	
119 K 132-K00 L5	210505	1	standard	P-SMP female - SMA female	
119 K 732-K0B S5	226655	1	standard	P-SMP female - SMA female 2-hole flange floating test adaptor	

Adaptors SMA - QMA

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
28 S 132-S00 N5	157980	1	standard	QMA male - SMA male	
28 S 132-K00 N5	154721	1	standard	QMA male - SMA female	
28 K 132-S00 N5	147025	1	standard	QMA female - SMA male	
28 K 132-K00 N5	156117	1	standard	QMA female - SMA female	

Adaptors SMA - BNC 50 Ω

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
32 S 151-S00 L5	103531	1	standard	SMA male - BNC male	
32 S 151-K00 L5	106545	1	standard	SMA male - BNC female	
32 K 151-S00 L5	103503	1	standard	SMA female - BNC male	
32 K 151-K00 L5	102638	1	standard	SMA female - BNC female	



Adaptors SMA - TNC 50 Ω

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
32 S 156-S00 L5	104498	1	standard	SMA male - TNC male	
32 S 156-K00 L5	107063	1	standard	SMA male - TNC female	
56 S 132-K00 L5	192179	1	standard	TNC male - SMA female	
56 K 132-K00 L5	108760	1	standard	TNC female - SMA female	


Adaptors SMA - N 50 Ω

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
32 S 153-S00 L5	102934	1	standard	SMA male - N male	
32 S 153-K00 L5	101424	1	standard	SMA male - N female	
53 S 132-K00 L5	189568	1	standard	N male - SMA female	
53 K 132-K00 L5	108780	1	standard	N female - SMA female	
32 S 453-K00 L5	107096	1	standard	SMA male - N female 4-hole flange	
32 K 453-K00 L5	100755	1	standard	SMA female - N female 4-hole flange	


Adaptors SMA - SMA Reverse

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
32R S 132-K00 L5	159287	1	standard	SMA Reverse male - SMA Standard female	
32R K 132-S00 L5	180528	1	standard	SMA Reverse female - SMA Standard male	

Adaptors SMA - 1.0-2.3 DIN 41626

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
32 K 145-S00 L5	103442	1	standard	SMA female - 1.0-2.3 DIN 41626 male	




Adaptors SMA - MCX

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
29 S 132-K01 N5	151696	1	standard	MCX male - SMA female hexagonal flange	

Adaptors SMA - SMB

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
59 S 132-K00 L5	182491	1	standard	SMB male - SMA female	
59 K 132-K00 L5	182487	1	standard	SMB female - SMA female	
59 K 132-S00 L5	104605	1	standard	SMB female - SMA male	
59 S 132-S00 L5	108160	1	standard	SMB male - SMA male	

Adaptors SMA - SMC

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
39 S 132-S00 L5	101139	1	standard	SMC male - SMA male	
39 S 132-K00 L5	104040	1	standard	SMC male - SMA female	
39 K 132-K00 L5	180220	1	standard	SMC female - SMA female	



Adaptors SMA - SMP

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	Return Loss	
19 S 132-S00 S3	100585	1	standard	SMP male - SMA male		
19 K 132-S00 D3	150878	1	standard	SMP female - SMA male		
19 S 132-K00 S3	101244	1	standard	SMP male - SMA female		
19 K 132-K00 D3	105168	1	standard	SMP female - SMA female		
17 K 732-K0A S5	243229	1	standard	Longwipe-SMP female - SMA female 2-hole flange floating test adaptor	≥ 23 dB @ DC to 3 GHz ≥ 20 dB @ 3 GHz to 6 GHz	


Adaptors SMA - 7-16

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
32 K 160-S00 N5	157551	1	standard	SMA female - 7-16 male	
32 S 160-S00 N5	160222	1	standard	SMA male - 7-16 male	

Adaptors SMA - 4.3-10

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
32 K 164-S00 N1	259821	1	standard	SMA female - 4.3-10 male screw type	
32 S 164-K00 N1	259820	1	standard	SMA male - 4.3-10 female	


Adaptors SMA - FMC

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
16 S 132-K00 L5	163582	5	standard	FMC male - SMA female	



Adaptors SMA - RPC-N 50 Ω

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	Return Loss	
05 S 132-S00 S3	103663	1	standard	RPC-N 50 Ω male - SMA male	≥ 23 dB @ DC to 18 GHz	
05 S 132-K00 S3	107667	1	standard	RPC-N 50 Ω male - SMA female	≥ 23 dB @ DC to 18 GHz	
05 K 132-S00 S3	106954	1	standard	RPC-N 50 Ω female - SMA male	≥ 23 dB @ DC to 18 GHz	
05 K 132-K00 S3	101188	1	standard	RPC-N 50 Ω female - SMA female	≥ 23 dB @ DC to 18 GHz	
05 S 432-S00 S3	106111	1	standard	RPC-N 50 Ω male - SMA male 4-hole flange 25.4 mm	≥ 23 dB @ DC to 18 GHz	
05 S 432-K00 S3	104647	1	standard	RPC-N 50 Ω male - SMA female 4-hole flange 25.4 mm	≥ 23 dB @ DC to 18 GHz	
05 K 432-S00 S3	101117	1	standard	RPC-N 50 Ω female - SMA male 4-hole flange 25.4 mm	≥ 23 dB @ DC to 18 GHz	
05 K 432-K00 S3	105197	1	standard	RPC-N 50 Ω female - SMA female 4-hole flange 25.4 mm	≥ 23 dB @ DC to 18 GHz	




Adaptors SMA - RPC-TNC

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	Return Loss	
06 S 132-S00 S3	104496	1	standard	RPC-TNC male - SMA male	≥ 19 dB @ DC to 18 GHz	
06 S 132-K00 S3	105636	1	standard	RPC-TNC male - SMA female	≥ 19 dB @ DC to 18 GHz	
06 K 132-S00 S3	103106	1	standard	RPC-TNC female - SMA male	≥ 19 dB @ DC to 18 GHz	
06 K 132-K00 S3	107148	1	standard	RPC-TNC female - SMA female	≥ 19 dB @ DC to 18 GHz	

Adaptors SMA - RPC-7

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	Return Loss	
07 P 132-S00 S3	103063	1	standard	RPC-7 - SMA male	≥ 23 dB @ DC to 18 GHz	
07 P 132-K00 S3	148627	1	standard	RPC-7 - SMA female	≥ 23 dB @ DC to 18 GHz	

Adaptors SMA - Micro-RF

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
15 S 132-K04 L5	155284	1	standard	Micro-RF male - SMA female for 15 K 101-40M E4 slide-on Mating cycles $\geq 200,000$	
15 S 132-K02 L5	161744	1	standard	Micro-RF male - SMA female for 15 K 101-40M E4 snap-on Mating cycles $\geq 10,000$	
15 S 132-K05 L5	155288	1	standard	Micro-RF male - SMA female for 15 K 101-40M E4 snap-on Mating cycles $\geq 10,000$	

Terminations

Termination Pug

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	Return Loss
32 S 15R-0.5 E3	102158	10	blister	0.5 Watt Frequency: DC to 12.4 GHz	≥ 32.2 dB @ DC to 2 GHz ≥ 26.4 dB @ 2 GHz to 8 GHz ≥ 21.2 dB @ 8 GHz to 12.4 GHz
32 S 17R-0.5 E3	143523	10	blister	0.5 Watt Frequency: DC to 18 GHz	≥ 32.2 dB @ DC to 2 GHz ≥ 26.4 dB @ 2 GHz to 8 GHz ≥ 21.2 dB @ 8 GHz to 12.4 GHz ≥ 20.8 dB @ 12.4 GHz to 18 GHz
32 S 15R-1.0 E3	104116	10	blister	1 Watt Frequency: DC to 18 GHz	≥ 28.3 dB @ DC to 4 GHz ≥ 26.4 dB @ 4 GHz to 6 GHz ≥ 24.3 dB @ 6 GHz to 10 GHz ≥ 23.1 dB @ 10 GHz to 12.4 GHz ≥ 22.1 dB @ 12.4 GHz to 14 GHz ≥ 19.1 dB @ 14 GHz to 18 GHz




Termination Jack

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	Return Loss
32 K 15R-001 E3	100375	10	blister	1 Watt Frequency: DC to 12.4 GHz	≥ 32.2 dB @ DC to 2 GHz ≥ 26.4 dB @ 2 GHz to 8 GHz ≥ 21.2 dB @ 8 GHz to 12.4 GHz
32 K 17R-001 E3	137568	10	standard	1 Watt Frequency: DC to 18 GHz	≥ 32.2 dB @ DC to 2 GHz ≥ 26.4 dB @ 2 GHz to 8 GHz ≥ 21.2 dB @ 8 GHz to 12.4 GHz ≥ 20.8 dB @ 12.4 GHz to 18 GHz





Accessories

Protection Cap with chain


Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
32 Z 112-000 F	102320	1	standard	male with chain	

Short

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
32 Z 111-000 L5	104865	1	standard	male	
32 Z 114-000 L5	100327	1	standard	female	


Special Tools

Torque Wrench

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
32 W 100-016	103855	1	standard	SMA torque 0.9 Nm flat 8 mm	

Assembly Tool Kit SMA

for Semi Rigid Cables

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks	
32 W 100-000	102773	1	box	complete tool set in plastic box	

**Contents of the Assembly Tool Kit
for Semi Rigid Cables (32 W 100-000)**

Rosenberger No.	Order No.	Sales Unit	Packaging	Remarks
32 W 100-001	102044	1	standard	Soldering Fixture Lötvorrichtung
32 W 100-002	104396	1	standard	Insert for RG 405 Backen für RG 405
32 W 100-003	105898	1	standard	Insert for RG 405 Backen für RG 405
32 W 100-004	102850	1	standard	Jack Locator Fixierschraube für Kuppler
32 W 100-005	104607	1	standard	Plug Locator Fixierschraube für Stecker
32 W 100-006	102502	1	standard	Soldering Gauge 0.25 mm Distanzlehre 0.25 mm
32 W 100-007	100680	1	standard	Soldering Gauge 0.4 mm Distanzlehre 0.4 mm
32 W 100-008	106817	1	standard	Contact Support (for Plug and Jack) Kontakthalter (für Stecker und Kuppler)
32 W 100-009	103318	1	standard	Dielectric Insertion Tool for Plug Isolierteil-Einpresswerkzeug für Stecker
32 W 100-010	107090	1	standard	Dielectric Insertion Tool for Jack Isolierteil-Einpresswerkzeug für Kuppler
32 W 100-011	108733	1	standard	Assembly Jig (Center Contact + Insulator) Montagelehre (Innenleiter + Isolierteil)
32 W 100-012	100798	1	standard	Assembly Jig (Outer Contact + Coupling Nut) Montagelehre (Außenleiter + Überwurfmutter)
32 W 100-013	102523	1	standard	Assembly Jig (Center Contact + Insulator) Montagelehre (Innenleiter + Isolierteil)
32 W 100-014	104294	1	standard	Cutting Tool Planschneidewerkzeug
32 W 100-015	108584	1	standard	Sharpening Tool Anspitzwerkzeug
32 W 100-016	103855	1	standard	Torque Wrench (0.9 Nm) Drehmomentschlüssel (0.9 Nm)
32 W 100-017	103665	1	standard	Insulator Insertion Tool Andrückwerkzeug für Isolierteil
32 W 100-018	103451	1	standard	Insulator Press-in Tool Einpresswerkzeug für Isolierteil
32 W 100-022/01	119710	1	standard	Conical Sleeve Kegelhülse
32 W 100-022/02	112888	1	standard	Arrester Gegenhalter
32 W 100-022/03	109562	1	standard	Fixing Tool I Stössel I
32 W 100-022/04	121928	1	standard	Fixing Tool II Stössel II