



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.

Rosenberger provides outer contact parts in the following materials:

- CuBe, Au plating
- Stainless steel, passivated
- CuZn, Au plating

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 Rückflusdämpfung. 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.

Rosenberger bietet die SMA-Außenleiterteile in folgenden Materialien an:

- CuBe, vergoldet
- Edelstahl, passiviert
- CuZn, vergoldet

SMA



Features

Interface according to IEC 60169-15, EN 122110, MIL-STD-348A, Fig.310

Frequency range DC to 18 GHz

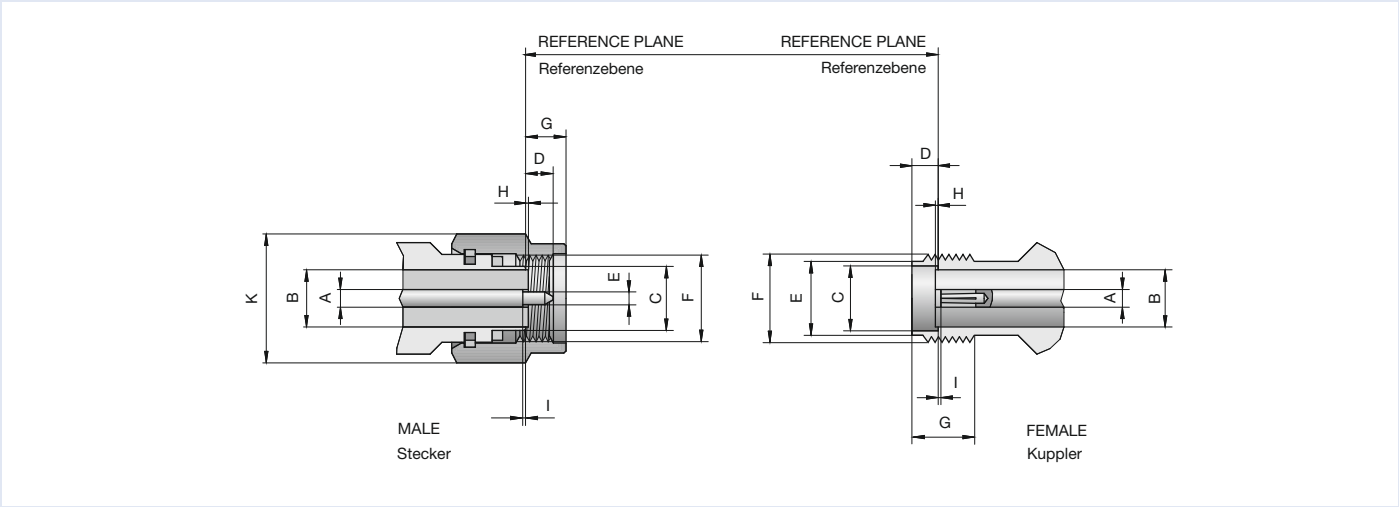
Return loss (cable connector straight) ≥ 30 dB (typ.)

Impedance 50 Ω

Screw-on coupling

Interface Dimensions SMA

Code 32



SMA

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

1) contact diameters refer to 50 Ω
2) resilient, dimension to meet electrical and mechanical requirements

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 (SMD, solder, press-fit, edge mount versions)
- Panel connectors (solder, stripline and microstrip types)
- Hermetically sealed versions
- Adaptors
- Terminations
- Tools and Accessories

Further connectors available on request

Technical Data SMA

Code 32

Applicable standards Anwendbare Normen	
Interface according to <i>Interface gemäß</i>	IEC 60169-15, EN 122110, MIL-STD-348A, Fig. 310
Quality tested according to <i>Qualitätsprüfung gemäß</i>	MIL-STD-202
Electrical data Elektrische Daten	
Impedance <i>Wellenwiderstand</i>	50 Ω
Frequency range <i>Frequenzbereich</i>	DC to 18 GHz
Return loss (cable connector straight) <i>Rückflussdämpfung (Kabelsteckverbinder gerade)</i>	≥ 30 dB (typ.)
Insertion loss <i>Dämpfung</i>	$\leq 0.04 \times \sqrt{f}$ (GHz) dB
Insulation resistance <i>Isolationswiderstand</i>	≥ 5 G Ω
Center contact resistance <i>Übergangswiderstand Innenleiter</i>	≤ 3 m Ω
Outer contact resistance <i>Übergangswiderstand Außenleiter</i>	≤ 2 m Ω
Test voltage <i>Prüfspannung</i>	1000 V rms
Working voltage <i>Betriebsspannung</i>	480 V rms
Power handling <i>Leistungsbelastbarkeit</i>	200 W @ 2.2 GHz
Rf-leakage <i>Schirmdämpfung</i>	≥ 100 dB @ DC to 1 GHz
Mechanical data Mechanische Daten	
Mating cycles <i>Steckzyklen</i>	CuBe / stainless steel: ≥ 500 CuZn: ≥ 100
Coupling nut retention <i>Überwurfmutter Haltekraft</i>	CuBe / stainless steel: ≥ 270 N CuZn: ≥ 180 N
Center contact captivation <i>Innenleiter Haltekraft</i>	CuBe / stainless steel: axial: ≥ 27 N, radial: ≥ 3 Ncm CuZn: axial: ≥ 20 N, radial: ≥ 1 Ncm
Coupling test torque <i>Prüfdrehmoment</i>	CuBe / stainless steel: ≤ 1.7 Nm CuZn: ≤ 0.6 Nm
Coupling torque recommended <i>Drehmoment empfohlen</i>	CuBe / stainless steel: 0.8 Nm to 1.1 Nm CuZn: 0.5 Nm
Environmental data Umweltdaten	
Temperature range <i>Temperaturbereich</i>	-65 °C to +165 °C
Thermal shock <i>Temperaturzyklen</i>	MIL-STD-202, Method 107, Condition B
Climatic category <i>Klimakategorie</i>	IEC 60068 65/165/21
Corrosion resistance <i>Korrosionsbeständigkeit</i>	MIL-STD-202, Method 101, Condition B
Moisture resistance <i>Feuchtigkeitsbeständigkeit</i>	MIL-STD-202, Method 106
Vibration <i>Vibration</i>	MIL-STD-202, Method 204, Condition D
Shock <i>Schock</i>	MIL-STD-202, Method 213, Condition I
Max. soldering temperature (PCB connectors) <i>Max. Löttemperatur (Leiterplattensteckverbinder)</i>	IEC 61760-1, +260 °C for 10 sec.
Materials Materialien	
Spring loaded contact parts <i>Federnde Kontaktteile</i>	CuBe, Au plating
Center contact <i>Innenleiter</i>	CuZn, Au plating
Outer contact <i>Außenleiter</i>	CuBe or equivalent, Au plating Stainless steel, passivated CuZn, Au / white bronze plating
Body <i>Gehäuse</i>	CuZn, Au / white bronze plating
Coupling nut <i>Überwurfmutter</i>	Stainless steel, passivated / Au plating CuZn, Au / white bronze plating
Crimping ferrule <i>Crimphülse</i>	Soft copper, white bronze plating
Dielectric <i>Dielektrikum</i>	PTFE
Gasket <i>Dichtung</i>	Silicon / Rubber

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.

Cable Connectors Semi-Rigid Cables

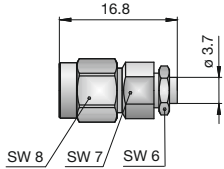
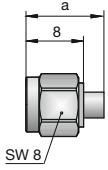
Straight Plug, solder
without pin, without dielectric

Semi-Rigid Cables

Ordering Number	Remarks	Cable Group	Assembly Instruction	Packing Unit	
32 S 101-272 L	CuBe or equivalent, Au plating a = 8.3 mm	72	32 A39	100	
32 S 121-272 S	Outer Contact: CuBe or equivalent, Au plating Coupling Nut: stainless steel, passivated a = 8.3 mm	72	32 A39	100	

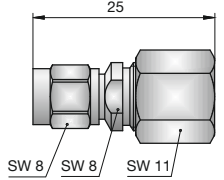
Straight Plug, solder
soldered center contact

Semi-Rigid Cables

Ordering Number	Remarks	Cable Group	Assembly Instruction	Packing Unit	
32 S 101-270 L5	CuBe or equivalent, Au plating	70	32 A11	1	
32 S 102-271 L5	CuBe or equivalent, Au plating a = 11.2 mm MIL-PRF 39012: 79-4005	71	32 A20	300	
32 S 122-271 S5	Outer Contact: CuBe or equivalent, Au plating Coupling Nut: stainless steel, passivated a = 11.2 mm MIL-PRF 39012: 79-3005	71	32 A20	300	
32 S 142-271 L5	CuZn, Au plating a = 11.2 mm	71	32 A20	300	
32 S 102-272 L5	CuBe or equivalent, Au plating a = 11.2 mm MIL-PRF 39012: 79-4006	72	32 A23	300	
32 S 122-272 S5	Outer Contact: CuBe or equivalent, Au plating Coupling Nut: stainless steel, passivated a = 11.2 mm MIL-PRF 39012: 79-3006	72	32 A23	300	
32 S 142-272 L5	CuZn, Au plating a = 11.2 mm	72	32 A23	300	

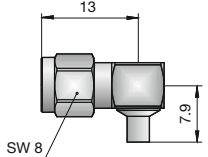
Straight Plug, clamp

Semi-Rigid Cables

Ordering Number	Remarks	Cable Group	Assembly Instruction	Packing Unit	
32 S 106-073 L5	CuBe or equivalent, Au plating	73	32 C1	1	

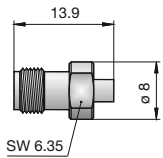
Right Angle Plug, solder

Semi-Rigid Cables

Ordering Number	Remarks	Cable Group	Assembly Instruction	Packing Unit	
32 S 206-271 L5	CuBe or equivalent, Au plating	71	32 E21	100	
32 S 246-271 L5	CuZn, Au plating	71	32 E21	100	
32 S 206-272 L5	CuBe or equivalent, Au plating	72	32 E20	100	
32 S 246-272 F5	CuZn, Au plating	72	32 E20	100	

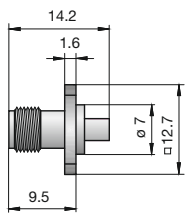
Straight Jack, solder

Semi-Rigid Cables

Ordering Number	Remarks	Cable Group	Assembly Instruction	Packing Unit	
32 K 101-271 L5	CuBe or equivalent, Au plating MIL-PRF 39012: 81-4005	71	32 A21	100	
32 K 101-272 L5	CuBe or equivalent, Au plating MIL-PRF 39012: 81-4006	72	32 A26	100	

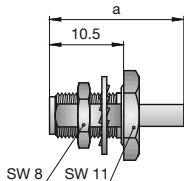
Panel Jack, solder, 4-hole flange

Semi-Rigid Cables

Ordering Number	Remarks	Cable Group	Assembly Instruction	Panel Piercing / PCB Layout	Packing Unit	
32 K 401-271 L5	CuBe or equivalent, Au plating MIL-PRF 39012: 82-4005	71	32 A21	B 55	100 blister	
32 K 401-272 L5	CuBe or equivalent, Au plating MIL-PRF 39012: 82-4006	72	32 A26	B 55	1	

Panel Jack, solder, hexagonal flange

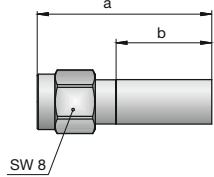
Semi-Rigid Cables

Ordering Number	Version	Remarks	Cable Group	Assembly Instruction	Panel Piercing / PCB Layout	Packing Unit	
32 K 601-271 L5	rear mount	CuBe or equivalent, Au plating a = 15 mm MIL-PRF 39012: 83-4005	71	32 A21	B 56	1, 100	
32 K 601-272 L5	rear mount	CuBe or equivalent, Au plating a = 15 mm MIL-PRF 39012: 83-4006	72	32 A26	B 56	1, 100	

Cable Connectors - Flexible Cables

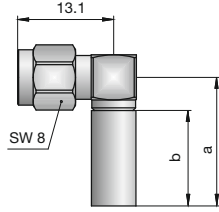
Straight Plug, solder-crimp

Flexible Cables

Ordering Number	Remarks	Cable Group	Assembly Instruction	Crimp Inserts	Packing Unit	
32 S 107-302 L5	CuBe or equivalent, Au plating a = 18.0 mm; b = 7.0 mm	02	32 B5	11 W 150-102	100	
32 S 127-302 S5	stainless steel, passivated a = 18.0 mm; b = 7.0 mm	02	32 B5	11 W 150-102	100	
32 S 147-302 L5	CuZn, Au plating a = 18.0 mm; b = 7.0 mm	02	32 B5	11 W 150-102	100	
32 S 147-302 N5	CuZn, white bronze plating a = 18.0 mm; b = 7.0 mm	02	32 B5	11 W 150-102	100	
32 S 107-303 L5	CuBe or equivalent, Au plating a = 18.0 mm; b = 7.0 mm	03	32 B5	11 W 150-102	100	
32 S 127-303 S5	stainless steel, passivated a = 18.0 mm; b = 7.0 mm	03	32 B5	11 W 150-102	100	
32 S 147-303 L5	CuZn, Au plating a = 18.0 mm; b = 7.0 mm	03	32 B5	11 W 150-102	100	
32 S 147-303 N5	CuZn, white bronze plating a = 18.0 mm; b = 7.0 mm	03	32 B5	11 W 150-102	100	
32 S 107-306 L5	CuBe or equivalent, Au plating a = 24.4 mm; b = 13.5 mm	06	32 B8	11 W 150-108	100	
32 S 127-306 S5	stainless steel, passivated a = 24.4 mm; b = 13.5 mm	06	32 B8	11 W 150-108	100	
32 S 147-306 L5	CuZn, Au plating a = 24.4 mm; b = 13.5 mm	06	32 B8	11 W 150-108	100	
32 S 147-306 N5	CuZn, white bronze plating a = 24.4 mm; b = 13.5 mm	06	32 B8	11 W 150-108	100	
32 S 107-307 L5	CuBe or equivalent, Au plating a = 24.4 mm; b = 13.5 mm	07, 08	32 B8	11 W 150-108	100	
32 S 127-307 S5	stainless steel, passivated a = 24.4 mm; b = 13.5 mm	07, 08	32 B8	11 W 150-108	100	
32 S 147-307 L5	CuZn, Au plating a = 24.4 mm; b = 13.5 mm	07, 08	32 B8	11 W 150-108	100	
32 S 147-307 N5	CuZn, white bronze plating a = 24.4 mm; b = 13.5 mm	07, 08	32 B8	11 W 150-108	100	

Right Angle Plug, solder-crimp

Flexible Cables

Ordering Number	Remarks	Cable Group	Assembly Instruction	Crimp Inserts	Packing Unit	
32 S 207-302 L5	CuBe or equivalent, Au plating a = 12.1 mm; b = 7.0 mm	02	32 B6	11 W 150-102	100	
32 S 247-302 L5	CuZn, Au plating a = 12.1 mm; b = 7.0 mm	02	32 B6	11 W 150-102	100	
32 S 247-302 N5	CuZn, white bronze plating a = 12.1 mm; b = 7.0 mm	02	32 B6	11 W 150-102	100	
32 S 207-303 L5	CuBe or equivalent, Au plating a = 12.1 mm; b = 7.0 mm	03	32 B6	11 W 150-102	100	
32 S 247-303 L5	CuZn, Au plating a = 12.1 mm; b = 7.0 mm	03	32 B6	11 W 150-102	100	
32 S 247-303 N5	CuZn, white bronze plating a = 12.1 mm; b = 7.0 mm	03	32 B6	11 W 150-102	100	
32 S 207-306 L5	CuBe or equivalent, Au plating a = 18.5 mm; b = 13.5 mm	06	32 B9	11 W 150-108	100	
32 S 247-306 L5	CuZn, Au plating a = 18.5 mm; b = 13.5 mm	06	32 B9	11 W 150-108	100	
32 S 247-306 N5	CuZn, white bronze plating a = 18.5 mm; b = 13.5 mm	06	32 B9	11 W 150-108	100	
32 S 207-307 L5	CuBe or equivalent, Au plating a = 18.5 mm; b = 13.5 mm	07, 08	32 B9	11 W 150-108	100	
32 S 247-307 L5	CuZn, Au plating a = 18.5 mm; b = 13.5 mm	07, 08	32 B9	11 W 150-108	100	
32 S 247-307 N5	CuZn, white bronze plating a = 18.5 mm; b = 13.5 mm	07, 08	32 B9	11 W 150-108	100	

Straight Jack, solder-crimp

Flexible Cables

Ordering Number	Remarks	Cable Group	Assembly Instruction	Crimp Inserts	Packing Unit	
32 K 107-302 L5	CuBe or equivalent, Au plating a = 20.0 mm; b = 7.0 mm	02	32 B21	11 W 150-102	100	
32 K 107-303 L5	CuBe or equivalent, Au plating a = 20.0 mm; b = 7.0 mm	03	32 B21	11 W 150-102	100	
32 K 107-306 L5	CuBe or equivalent, Au plating a = 25.5 mm; b = 13.5 mm	06	32 B8	11 W 150-108	1	
32 K 107-307 L5	CuBe or equivalent, Au plating a = 25.5 mm; b = 13.5 mm	07, 08	32 B8	11 W 150-108	100	

Panel Jack, solder-crimp, 4-hole flange

Flexible Cables

Ordering Number	Remarks	Cable Group	Assembly Instruction	Panel Piercing / PCB Layout	Crimp Inserts	Packing Unit	
32 K 407-302 L5	CuBe or equivalent, Au plating a = 20.0 mm; b = 7.0 mm	02	32 B21	B 55	11 W 150-102	100	
32 K 407-303 L5	CuBe or equivalent, Au plating a = 20.0 mm; b = 7.0 mm	03	32 B21	B 55	11 W 150-102	100	
32 K 407-306 L5	CuBe or equivalent, Au plating a = 25.5 mm; b = 13.5 mm	06	32 B8	B 55	11 W 150-108	100	
32 K 407-307 L5	CuBe or equivalent, Au plating a = 25.5 mm; b = 13.5 mm	07, 08	32 B8	B 55	11 W 150-108	100	

Panel Jack, solder-crimp, hexagonal flange

Flexible Cables

Ordering Number	Version	Remarks	Cable Group	Assembly Instruction	Panel Piercing / PCB Layout	Crimp Inserts	Packing Unit	
32 K 607-302 L5	rear mount	CuBe or equivalent, Au plating a = 20.0 mm; b = 7.0 mm	02	32 B21	B 57	11 W 150-102	100	
32 K 647-302 N5	rear mount	CuZn, white bronze plating a = 20.0 mm; b = 7.0 mm	02	32 B21	B 57	11 W 150-102	100	
32 K 607-303 L5	rear mount	CuBe or equivalent, Au plating a = 20.0 mm; b = 7.0 mm	03	32 B21	B 57	11 W 150-102	100	
32 K 647-303 N5	rear mount	CuZn, white bronze plating a = 20.0 mm; b = 7.0 mm	03	32 B21	B 57	11 W 150-102	100	
32 K 607-306 L5	rear mount	CuBe or equivalent, Au plating a = 26.5 mm; b = 13.5 mm	06	32 B8	B 57	11 W 150-108	1	
32 K 607-307 L5	rear mount	CuBe or equivalent, Au plating a = 26.5 mm; b = 13.5 mm	07, 08	32 B8	B 57	11 W 150-108	1	

Panel Connectors - Solder End

Panel Plug, 4-hole flange

Solder End

Ordering Number	Remarks	Panel Piercing / PCB Layout	Packing Unit	
32 S 421-200 S3	stainless steel, passivated	B 55a	100 blister	

Panel Jack, 4-hole flange

Solder End

Ordering Number	Remarks	Panel Piercing / PCB Layout	Packing Unit	
32 K 421-200 E3	stainless steel, Au plating MIL-PRF 39012: 60-3001	B 55a	100 blister	
32 K 40A-200 E3	stainless steel, Au plating	B 55a	100 blister	
32 K 441-200 N5	CuZn, white bronze plating	B 55a	100 blister	

Right Angle Panel Jack, 4-hole flange

Solder End

Ordering Number	Remarks	Panel Piercing / PCB Layout	Packing Unit	
32 K 221-200 S5	stainless steel, passivated	B 55a	50 blister	
32 K 241-200 L5	CuZn, Au plating	B 55a	100 blister	

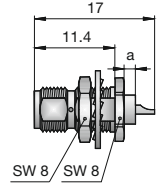
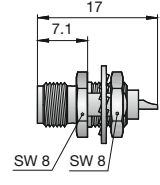
Panel Jack, 2-hole flange

Solder End

Ordering Number	Remarks	Panel Piercing / PCB Layout	Packing Unit	
32 K 701-200 E3	stainless steel, Au plating MIL-PRF 39012: 60-4002	B 55h	100 blister	
32 K 721-200 S5	stainless steel, passivated MIL-PRF 39012: 60-3002	B 55h	100 blister	
32 K 741-200 N5	CuZn, white bronze plating	B 55h	100 blister	

Panel Jack, hexagonal flange

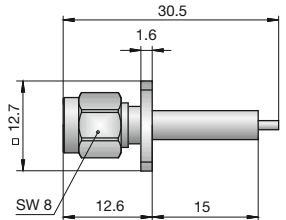
Solder End

Ordering Number	Version	Remarks	Panel Piercing / PCB Layout	Packing Unit	
32 K 603-200 L5	rear mount	CuBe or equivalent, Au plating a = 1.6 mm	B 56	100	
32 K 622-200 S5	front mount	stainless steel, passivated MIL-PRF 39012: 61-3002	B 56	1	

Panel Connectors - Coaxial End

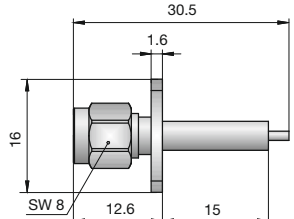
Panel Plug Straight Terminal
4-hole flange

Coaxial End

Ordering Number	Remarks	Panel Piercing / PCB Layout	Packing Unit	
32 S 422-500 S5	stainless steel, passivated	B 55a	1	

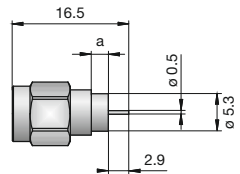
Panel Plug Straight Terminal
2-hole flange

Coaxial End

Ordering Number	Remarks	Panel Piercing / PCB Layout	Packing Unit	
32 S 722-500 S5	stainless steel, passivated	B 55a	1	

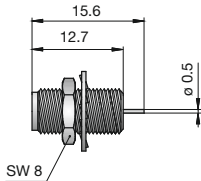
Panel Plug, solder mount

Coaxial End

Ordering Number	Version	Remarks	Packing Unit	
32 S 102-5H0 L5	hermetic sealed	Outer Contact: CuSn, Au plating Coupling Nut: stainless steel, Au plating sealed with a glass feedthru matched to 50 Ω Leakage rate < 10 ⁻⁶ cc/sec. Pressure max. 2 N/mm ² a = 2.4 mm	100 blister	

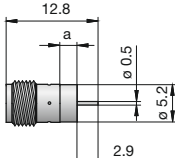
Panel Jack, spark plug

Coaxial End

Ordering Number	Version	Remarks	Panel Piercing / PCB Layout	Packing Unit	
32 K 101-5H0 L5	hermetic sealed	CuBe or equivalent, Au plating sealed with a glass feedthru matched to 50Ω Leakage rate < 10 ⁻⁶ cc/sec. Pressure max. 2 N/mm ²	1/4-36 UNS-2A	1	

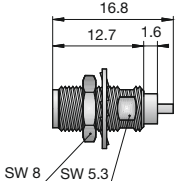
Panel Jack, solder mount

Coaxial End

Ordering Number	Version	Remarks	Packing Unit	
32 K 103-5H0 L5	hermetic sealed	CuBe or equivalent, Au plating sealed with a glass feedthru matched to 50 Ω Leakage rate < 10 ⁻⁶ cc/sec. Pressure max. 2 N/mm ² a = 3.2 mm	100 blister	

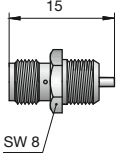
Panel Jack Straight Terminal

Coaxial End

Ordering Number	Remarks	Panel Piercing / PCB Layout	Packing Unit	
32 K 141-500 L5	CuZn, Au plating	1/4-36 UNS-2A	100	
32 K 141-500 N5	CuZn, white bronze plating	1/4-36 UNS-2A	100	

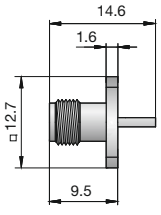
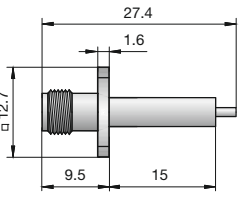
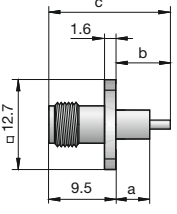
Panel Jack Straight Terminal
hexagonal flange

Coaxial End

Ordering Number	Remarks	Panel Piercing / PCB Layout	Packing Unit	
32 K 644-500 L5	CuZn, Au plating	1/4-36 UNS-2A	100 blister	

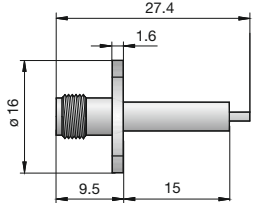
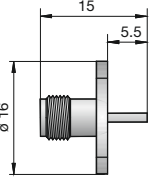
Panel Jack Straight Terminal
4-hole flange

Coaxial End

Ordering Number	Remarks	Panel Piercing / PCB Layout	Packing Unit	
32 K 441-500 L5	CuZn, Au plating	B 55h	100 blister	
32 K 402-500 E3	stainless steel, Au plating captivated center contact	B 55a	50 blister	
32 K 422-500 S5	stainless steel, passivated captivated center contact	B 55a	50 blister	
32 K 449-500 L5	CuZn, Au plating	B 55a	50 blister	
32 K 44R-500 L5	CuZn, Au plating a = 4.5 mm; b = 6.0 mm, c = 15.5 mm	B 55a	100 blister	
32 K 486-500 L5	CuZn, Au plating a = 5.0 mm; b = 7.5 mm, c = 17.0 mm	B 55a	100 blister	
32 K 482-500 N5	CuZn, white bronze plating a = 8.0 mm; b = 12.0 mm; c = 21.5 mm	B 55a	100 blister	

Panel Jack Straight Terminal
2-hole flange

Coaxial End

Ordering Number	Remarks	Panel Piercing / PCB Layout	Packing Unit	
32 K 722-500 E3	stainless steel, Au plating captivated center contact	B 55a	1	
32 K 722-500 S5	stainless steel, passivated captivated center contact	B 55a	50 blister	
32 K 752-500 N5	CuZn, white bronze plating	B 55h	100 blister	

Panel Connectors - Stripline according MIL M83517

Panel Jack, 4-hole flange

Stripline

Ordering Number	Remarks	Panel Piercing / PCB Layout	Packing Unit	
32 K 421-600 S5	stainless steel, passivated	B 55	100 blister	
32 K 441-600 L5	CuZn, Au plating	B 55	100 blister	
32 K 441-600 N5	CuZn, white bronze plating	B 55	100 blister	
32 K 424-600 S5	stainless steel, passivated	B 55g	100 blister	

Panel Jack, 2-hole flange

Stripline

Ordering Number	Remarks	Panel Piercing / PCB Layout	Packing Unit	
32 K 724-600 S5	stainless steel, passivated	B 55g	100 blister	

Panel Connectors - Microstrip according to MIL M83517

Panel Plug, 4-hole flange

Microstrip

Ordering Number	Remarks	Panel Piercing / PCB Layout	Packing Unit	
32 S 421-700 S5	stainless steel, passivated s = 0.3 mm	B 55	100 blister	
32 S 422-700 S5	stainless steel, passivated s = 0.5 mm	B 55	100 blister	

Panel Jack, 4-hole flange

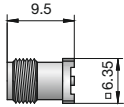
Microstrip

Ordering Number	Remarks	Panel Piercing / PCB Layout	Packing Unit	
32 K 421-700 S5	stainless steel, passivated s = 0.3 mm	B 55	100 blister	

PCB Connectors - SMD

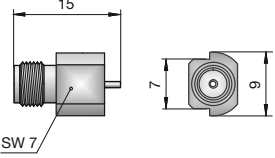
Straight Jack

SMD

Ordering Number	Remarks	Panel Piercing / PCB Layout	Packing	Packing Unit	
32 K 10A-40M L5	CuZn, Au plating	B 163	VG 08.50000	500 tape & reel	

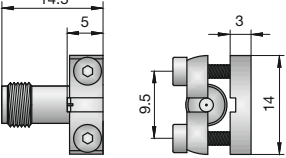
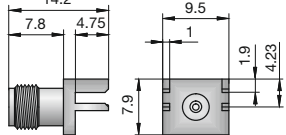
Right Angle Jack

SMD

Ordering Number	Remarks	Panel Piercing / PCB Layout	Packing	Packing Unit	
32 K 242-40M L5	CuZn, Au plating	B 207	VG 57.50000	100 blister, 500 tape & reel	

Right Angle Panel Jack, edge mount

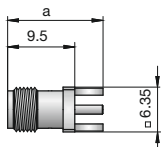
SMD

Ordering Number	Remarks	Panel Piercing / PCB Layout	Packing Unit	
32 K 243-40M L5	CuZn, Au plating for panel thickness 0 mm to 2.5 mm	B 208	50 blister	
32 K 145-400 L5	CuZn, Au plating for panel thickness 1.8 mm	B 206	100 blister	

PCB Connectors - Solder Pin

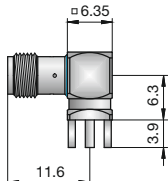
Straight Jack

Solder Pin

Ordering Number	Remarks	Panel Piercing / PCB Layout	Packing Unit	
32 K 101-400 L5	CuBe or equivalent, Au plating a = 13,5 mm	B 30b	100 blister	

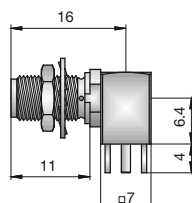
Right Angle Jack

Solder Pin

Ordering Number	Remarks	Panel Piercing / PCB Layout	Packing Unit	
32 K 201-400 L5	CuBe or equivalent, Au plating without stand-off	B 30b	200 blister	
32 K 249-400 L5	CuZn, Au plating 0.5 mm stand-off version	B 30b	200 blister	

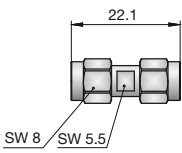
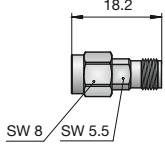
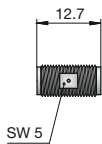
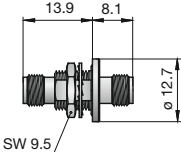
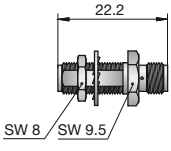
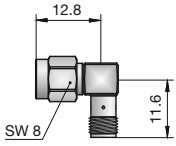
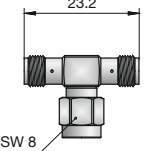
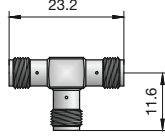
Right Angle Panel Jack

Solder Pin

Ordering Number	Remarks	Panel Piercing / PCB Layout	Packing Unit	
32 K 246-400 L5	CuZn, Au plating	B 66b / 168	100 blister	

Adaptors

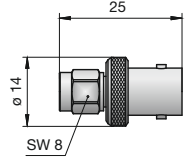
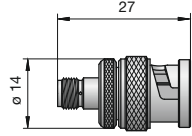
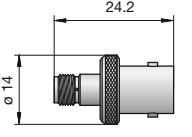
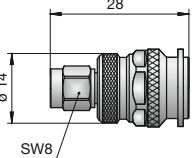
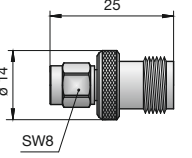
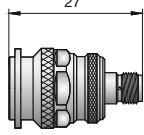
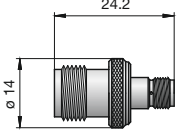
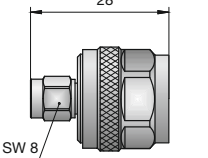
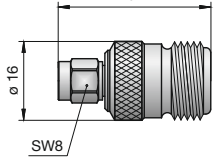
Adaptors (In Series)

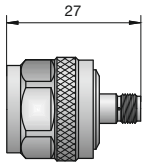
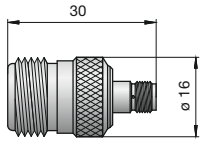
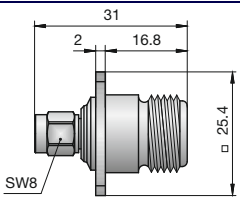
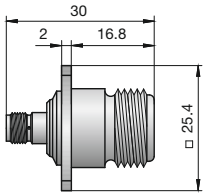
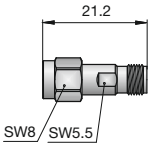
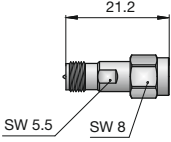
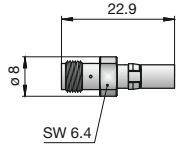
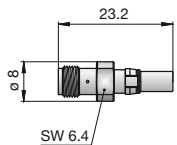
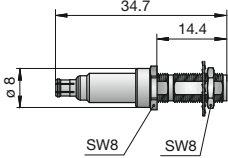
Ordering Number	Version	Remarks	Panel Piercing / PCB Layout	Packing Unit	
32 S 103-S00 L5	straight	SMA male - male Outer contact: stainless steel, Au plating Coupling Nut: CuBe or equivalent, Au plating		1	
32 S 105-K00 L5	straight	SMA male - female CuBe or equivalent, Au plating		1	
32 K 101-K00 L5	straight	SMA female - female CuBe or equivalent, Au plating		1	
32 K 101-KH0 L5	straight panel	SMA female - female CuBe or equivalent, Au plating round flange panel thickness max. 4.8 mm hermetic sealed	B 58	1	
32 K 621-K00 E3	straight panel	SMA female - female stainless steel, Au plating hexagonal flange panel thickness max. 6.4 mm tool width 9.5 mm	B 56	1	
32 S 221-K00 E3	right angle	SMA male - female CuBe or equivalent, Au plating		1	
32 S 301-K00 L5	T-adaptor	SMA female - male - female CuBe or equivalent, Au plating This connector is a non-matched 3 dB divider for LF applications		1	
32 K 301-K00 L5	T-adaptor	SMA female - female - female CuBe or equivalent, Au plating This connector is a non-matched 3 dB divider for LF applications		1	

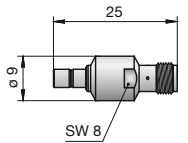
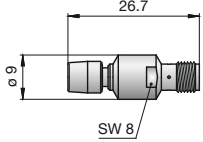
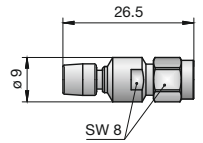
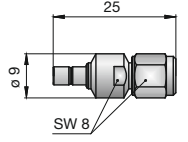
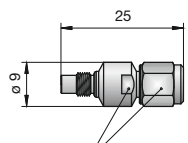
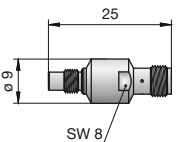
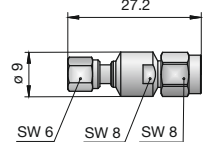
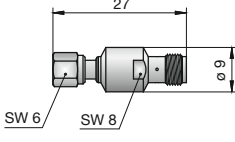
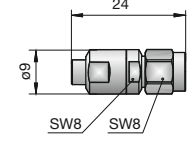
SMA

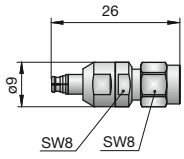
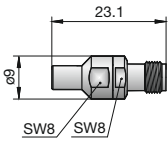
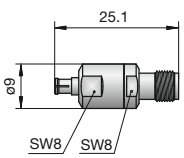
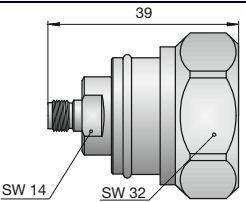
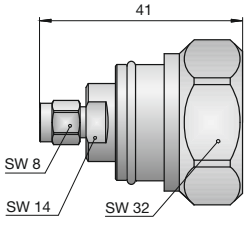
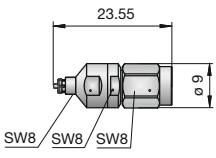
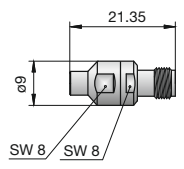
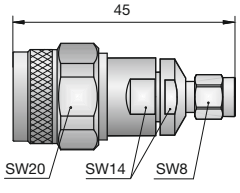
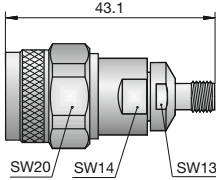
Adaptors (Inter Series)

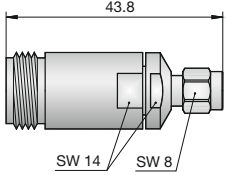
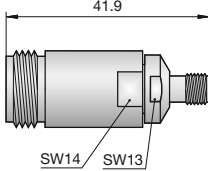
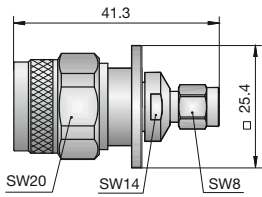
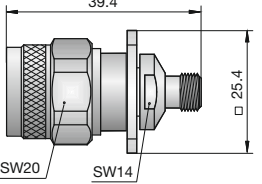
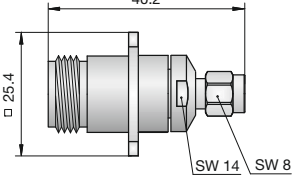
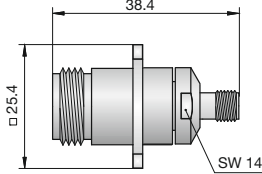
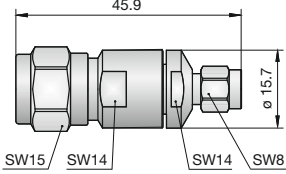
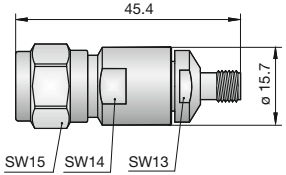
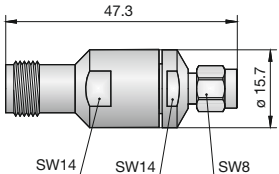
Ordering Number	Version	Remarks	Return Loss	Panel Piercing / PCB Layout	Packing Unit	
119 S 132-S00 S5	straight	P-SMP male - SMA male			1	
119 S 132-K00 S5	straight	P-SMP male - SMA female			1	
119 K 132-S00 L5	straight	P-SMP female - SMA male			1	
119 K 132-K00 L5	straight	P-SMP female - SMA female			1	
28 S 132-S00 N5	straight	QMA male - SMA male			1	
28 S 132-K00 N5	straight	QMA male - SMA female			1	
28 K 132-S00 N5	straight	QMA female - SMA male			1	
28 K 132-K00 N5	straight	QMA female - SMA female			1	
32 S 151-S00 L5	straight	SMA male - BNC male			1	

Ordering Number	Version	Remarks	Return Loss	Panel Piercing / PCB Layout	Packing Unit	
32 S 151-K00 L5	straight	SMA male - BNC female			1	
32 K 151-S00 L5	straight	SMA female - BNC male			1	
32 K 151-K00 L5	straight	SMA female - BNC female			1	
32 S 156-S00 L5	straight	SMA male - TNC male			1	
32 S 156-K00 L5	straight	SMA male - TNC female			1	
56 S 132-K00 N5	straight	TNC male - SMA female			1	
56 K 132-K00 N5	straight	TNC female - SMA female			1	
32 S 153-S00 L5	straight	SMA male - N male			1	
32 S 153-K00 L5	straight	SMA male - N female			1	

Ordering Number	Version	Remarks	Return Loss	Panel Piercing / PCB Layout	Packing Unit	
53 S 132-K00 L5	straight	N male - SMA female			1	
53 K 132-K00 L5	straight	N female - SMA female			1	
32 S 453-K00 L5	straight panel	SMA male - N female 4-hole flange		B 12	1	
32 K 453-K00 L5	straight panel	SMA female - N female 4-hole flange		B 12	1	
32 RS 132-K00 L5	straight	SMA reverse male - SMA Standard female			1	
32 RK 132-S00 L5	straight	SMA reverse female - SMA Standard male			1	
32 K 145-S00 L5	straight	SMA female - 1.0-2.3 DIN 41626 male			1	
32 K 145-K00 L5	straight	SMA female - 1.0-2.3 DIN 41626 female			1	
29 S 132-K01 N5	straight panel	MCX male - SMA female		B 56	1	

Ordering Number	Version	Remarks	Return Loss	Panel Piercing / PCB Layout	Packing Unit	
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59 K 132-K00 L5	straight	SMB female - SMA female			1	
59 K 132-S00 L5	straight	SMB female - SMA male			1	
59 S 132-S00 L5	straight	SMB male - SMA male			1	
39 S 132-S00 L5	straight	SMC male - SMA male			1	
39 S 132-K00 L5	straight	SMC male - SMA female			1	
39 K 132-S00 L5	straight	SMC female - SMA male			1	
39 K 132-K00 L5	straight	SMC female - SMA female			1	
19 S 132-S00 S3	straight	SMP male - SMA male			1	

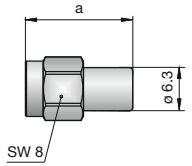
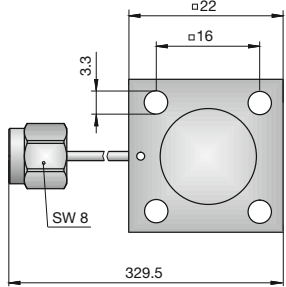
Ordering Number	Version	Remarks	Return Loss	Panel Piercing / PCB Layout	Packing Unit	
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19 S 132-K00 S3	straight	SMP male - SMA female			1	
19 K 132-K00 D3	straight	SMP female - SMA female			1	
32 K 160-S00 N5	straight	SMA female - 7-16 male			1	
32 S 160-S00 N5	straight	SMA male - 7-16 male			1	
16 S 132-S00 L5	straight	FMC male - SMA male			1	
16 K 132-K00 S5	straight	FMC female - SMA female			1	
05 S 132-S00 S3	straight	RPC-N 50 Ω male - SMA male	≥ 23 dB @ DC to 18 GHz		1	
05 S 132-K00 S3	straight	RPC-N 50 Ω male - SMA female	≥ 23 dB @ DC to 18 GHz		1	

Ordering Number	Version	Remarks	Return Loss	Panel Piercing / PCB Layout	Packing Unit	
05 K 132-S00 S3	straight	RPC-N 50 Ω female - SMA male	≥ 23 dB @ DC to 18 GHz		1	
05 K 132-K00 S3	straight	RPC-N 50 Ω female - SMA female	≥ 23 dB @ DC to 18 GHz		1	
05 S 432-S00 S3	straight panel	RPC-N 50 Ω male - SMA male, 4-hole flange	≥ 23 dB @ DC to 18 GHz	B 12	1	
05 S 432-K00 S3	straight panel	RPC-N 50 Ω male - SMA female, 4-hole flange	≥ 23 dB @ DC to 18 GHz	B 12	1	
05 K 432-S00 S3	straight panel	RPC-N 50 Ω female - SMA male, 4-hole flange	≥ 23 dB @ DC to 18 GHz	B 12	1	
05 K 432-K00 S3	straight panel	RPC-N 50 Ω female - SMA female, 4-hole flange	≥ 23 dB @ DC to 18 GHz	B 12	1	
06 S 132-S00 S3	straight	RPC-TNC male - SMA male	≥ 19 dB @ DC to 18 GHz		1	
06 S 132-K00 S3	straight	RPC-TNC male - SMA female	≥ 19 dB @ DC to 18 GHz		1	
06 K 132-S00 S3	straight	RPC-TNC female - SMA male	≥ 19 dB @ DC to 18 GHz		1	

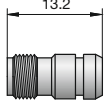
Ordering Number	Version	Remarks	Return Loss	Panel Piercing / PCB Layout	Packing Unit	
06 K 132-K00 S3	straight	RPC-TNC female - SMA female	≥ 19 dB @ DC to 18 GHz		1	
07 P 132-S00 S3	straight	RPC-7 - SMA male	≥ 23 dB @ DC to 18 GHz		1	
07 P 132-K00 S3	straight	RPC-7 - SMA female	≥ 23 dB @ DC to 18 GHz		1	
15 S 132-K04 L5	straight	Micro-RF male - SMA female for 15 K 101-40M E4 slide-on Mating cycles ≥ 200000			1	
15 S 132-K02 L5	straight	Micro-RF male - SMA female for 15 K 101-40M E4 snap-on Mating cycles ≥ 10000			1	
15 S 132-K05 L5	straight	Micro-RF male - SMA female for 15 K 101-40M E4 snap-on Mating cycles ≥ 10000			1	

Terminations

Termination Pug

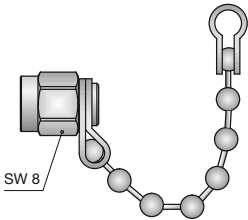
Ordering Number	Remarks	Return Loss	Packing Unit	
32 S 15R-0.5 F5	0.5 Watt Frequency: DC to 12.4 GHz a = 15.5 mm	≥ 32.2 dB @ DC to 2 GHz ≥ 26.4 dB @ 2 GHz to 8 GHz ≥ 21.2 dB @ 8 GHz to 12.4 GHz	1	
32 S 17R-0.5 F5	0.5 Watt Frequency: DC to 18 GHz a = 15.5 mm	≥ 32.2 dB @ DC to 2 GHz ≥ 26.4 dB @ 2 GHz to 8 GHz ≥ 21.2 dB @ 8 GHz to 12.4 GHz ≥ 20.8 dB @ 12.4 GHz to 18 GHz	1	
32 S 15R-1.0 F5	1 Watt Frequency: DC to 18 GHz a = 15.5 mm	≥ 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	1	
32 S 17B-1.0 E3	1 Watt Frequency: DC to 18 GHz a = 10.0 mm	≥ 26.4 dB @ DC to 1 GHz ≥ 19.1 dB @ 1 GHz to 18 GHz	1	
32 S 22R-080 L5	80 Watt Frequency: DC to 2.3 GHz	typ. 30.7 dB @ DC to 2 GHz typ. 26.4 dB @ 2 GHz to 2.3 GHz	1	

Termination Jack

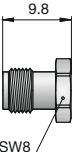
Ordering Number	Remarks	Return Loss	Packing Unit	
32 K 15R-001 E3	1 Watt Frequency: DC to 12.4 GHz	≥ 32.2 dB @ DC to 2 GHz ≥ 26.4 dB @ 2 GHz to 8 GHz ≥ 21.2 dB @ 8 GHz to 12.4 GHz	1	
32 K 17R-001 E3	1 Watt Frequency: DC to 18 GHz	≥ 32.2 dB @ DC to 2 GHz ≥ 26.4 dB @ 2 GHz to 8 GHz ≥ 21.2 dB @ 8 GHz to 12.4 GHz ≥ 20.8 dB @ 12.4 GHz to 18 GHz	1	

Accessories

Protection Cap with chain

Ordering Number	Remarks	Packing Unit	
32 Z 112-000 F	male with seal	1	

Short

Ordering Number	Remarks	Packing Unit	
32 Z 111-000 L5	male	1	
32 Z 114-000 L5	female	1	

Special Tools

Assembly Tool Kit SMA

for Semi Rigid Cables

Ordering Number	Remarks	Packing Unit	
32 W 100-000	complete tool set in plastic box	1	

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

Ordering Number	Remarks
32 W 100-001	Soldering Fixture Lötvorrichtung
32 W 100-002	Insert for RG 405 Backen für RG 405
32 W 100-003	Insert for RG 405 Backen für RG 405
32 W 100-004	Jack Locator Fixierschraube für Kuppler
32 W 100-005	Plug Locator Fixierschraube für Stecker
32 W 100-006	Soldering Gauge 0.25 mm Distanzlehre 0.25 mm
32 W 100-007	Soldering Gauge 0.4 mm Distanzlehre 0.4 mm
32 W 100-008	Contact Support (for plug and jack) Kontakthalter (für Stecker und Kuppler)
32 W 100-009	Dielectric Insertion Tool for Plugs Isolierteil-Einpresswerkzeug für Stecker
32 W 100-010	Dielectric Insertion Tool for Jacks Isolierteil-Einpresswerkzeug für Kuppler
32 W 100-011	Assembly Jig (center contact + insulator) Montagelehre (Innenleiter + Isolierteil)
32 W 100-012	Assembly Jig (outer contact + coupling nut) Montagelehre (Außenleiter + Überwurfmutter)
32 W 100-013	Assembly Jig (center contact + insulator) Montagelehre (Innenleiter + Isolierteil)
32 W 100-014	Cutting Tool Planschneidewerkzeug
32 W 100-015	Sharpening Tool Anspitzwerkzeug
32 W 100-016	Torque Wrench Drehmomentschlüssel
32 W 100-017	Insulator Insertion Tool Andrückwerkzeug für Isolierteil
32 W 100-018	Insulator Press In Tool Einpresswerkzeug für Isolierteil
32 W 100-022/01	Conical Sleeve Kegelhülse
32 W 100-022/02	Arrester Gegenhalter
32 W 100-022/03	Fixing Tool I Stößel I
32 W 100-022/04	Fixing Tool II Stößel II