



Rosenberger provides the following subminiature coaxial connector series for various application fields:

SMB coaxial connectors (50 Ω and 75 Ω):

Snap-on connectors for applications up to 4 GHz, even in tightest locations.

75 Ω -versions are similar to British Telecom standard BT 43

SMG coaxial connectors:

Slide-on connectors for applications up to 4 GHz, mainly for rack systems and PCB applications

SMC coaxial connectors:

Screw-on connectors for applications up to 6 GHz

SSMB coaxial connectors:

Snap-on connectors, smaller dimensions than SMB, for applications up to 3 GHz

SSMC coaxial connectors:

Screw-on connectors, smaller dimensions than SMC, for applications up to 6 GHz

Please note:

Rosenberger defines male – female according the design of center contact.

Rosenberger bietet eine Reihe von Subminiatur-Koaxial-Steckverbinder-Serien für verschiedene Anwendungsbereiche:

SMB-Koaxial-Steckverbinder (50 Ω und 75 Ω):

Snap-on-Steckverbinder für Anwendungen bis 4 GHz, auch an schwer zugänglichen Stellen.

Die 75 Ω -Ausführungen sind ähnlich dem British Telecom-Standard BT 43

SMG-Koaxial-Steckverbinder:

Einschub-Steckverbinder für Anwendungen bis 4 GHz, besonders für Einschubtechnik und Leiterplattensysteme

SMC-Koaxial-Steckverbinder:

Schraub-Steckverbinder für Anwendungen bis 6 GHz

SSMB-Koaxial-Steckverbinder:

Snap-on-Steckverbinder, kleinere Abmessungen als SMB, für Anwendungen bis 3 GHz

SSMC-Koaxial-Steckverbinder:

Schraub-Steckverbinder, kleinere Abmessungen als SMC, für Anwendungen bis 6 GHz

Bitte beachten:

Rosenberger definiert die Stecker-Kuppler-Bezeichnung nach der Form des Innenleiters.

SMB, SMG, SMC, SSMB, SSMC



SMB
SMC, SMC
SSMB, SSMC

Contents

SMB 50 Ω

SMG

SMC

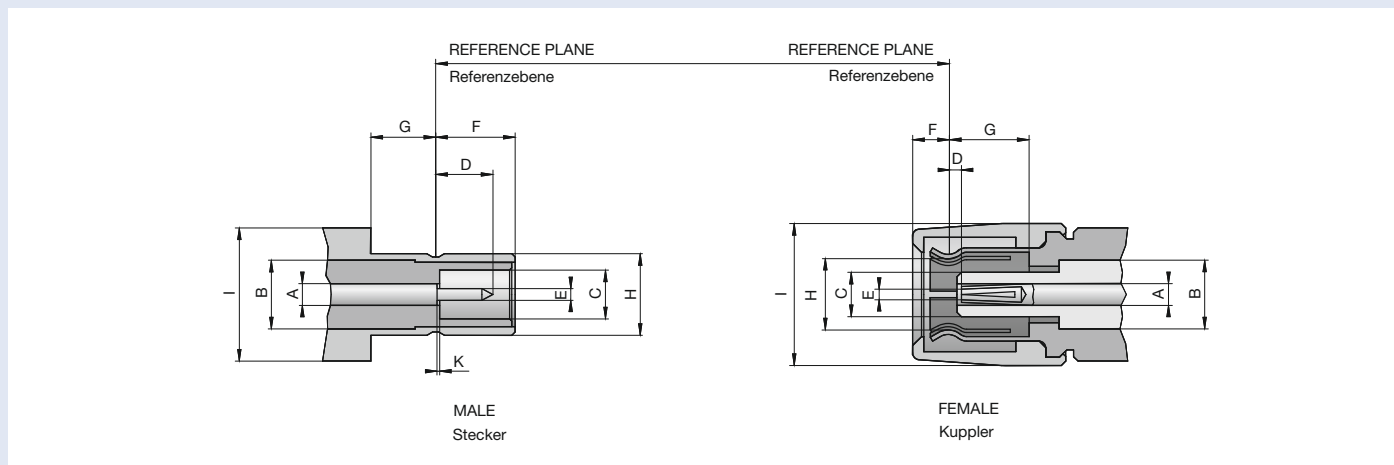
SMB 75 Ω

SSMB

SSMC

Interface Dimensions SMB, 50 Ω

Code 59



SMB, 50 Ω

dimension [mm]	Male Stecker		Female Kuppler	
	min.	max.	min.	max.
A	0.95 nom.		0.95 nom.	
B	3.05 nom.		3.05 nom.	
C	2.08			2.06
D		2.97	0.18	0.94
E	0.48	0.53		1)
F	3.33	3.58		1.63
G	1.65		3.58	
H	3.66	3.71		1)
I		6.50		6.50
K	0.00	0.18		

1) resilient, dimension to meet electrical and mechanical requirements

Features

Interface according to IEC 60169-10, CECC 22130, US MIL-PRF-39012

Frequency range DC to 4 GHz

Return loss (cable connector straight) ≥ 17 dB (typ.)

Impedance 50 Ω

Snap-on coupling

Product Range

Cable connectors

PCB connectors

Panel connectors

Adaptors

Terminations

Further connectors available on request

Technical Data SMB, 50 Ω

Code 59

Applicable standards Anwendbare Normen	
Interface according to <i>Interface gemäß</i>	IEC 60169-10, CECC 22130, MIL-PRF-39012
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 4 GHz
Return loss (cable connector straight) <i>Rückflussdämpfung (Kabelsteckverbinder gerade)</i>	≥ 17 dB (typ.)
Insertion loss <i>Dämpfung</i>	≤ 0.1 x √f (GHz) dB
Insulation resistance <i>Isolationswiderstand</i>	≥ 1 GΩ
Center contact resistance <i>Übergangswiderstand Innenleiter</i>	≤ 5 mΩ
Outer contact resistance <i>Übergangswiderstand Außenleiter</i>	≤ 2.5 mΩ
Test voltage <i>Prüfspannung</i>	750 V rms
Working voltage <i>Betriebsspannung</i>	250 V rms
Contact current <i>Kontaktstrombelastbarkeit</i>	≤ 1.5 A DC
RF-leakage <i>Schirmdämpfung</i>	≥ 55 dB @ DC to 1 GHz
Mechanical data Mechanische Daten	
Mating cycles <i>Steckzyklen</i>	≥ 500
Center contact captivation <i>Innenleiter Haltekraft</i>	axial: ≥ 10 N
Engagement force <i>Steckkraft</i>	≤ 63 N
Disengagement force <i>Ziehkraft</i>	8 N to 63 N
Environmental data Umweltdaten	
Temperature range <i>Temperaturbereich</i>	-55 °C to +155 °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
Moisture resistance <i>Feuchtigkeitsbeständigkeit</i>	MIL-STD-202, Method 106
Vibration <i>Vibration</i>	MIL-STD-202, Method 204, Condition B
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>	CuZn, Au plating
Crimping ferrule <i>Crimphülse</i>	Soft copper, Au plating
Dielectric <i>Dielektrikum</i>	PTFE
Gasket <i>Dichtung</i>	Rubber

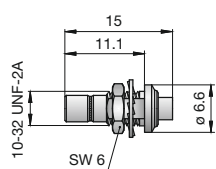
Rosenberger-connectors fulfill in principle the indicated data of the Technical Data. Individual values of connectors may deviate depending upon application, design, type of cable, assembly method and execution. Specific data sheets for particular products can be provided on request from your Rosenberger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

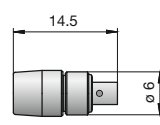
Panel Plug, solder, round flange

Semi-Rigid Cables

Ordering Number	Version	Cable Group	Assembly Instruction	Panel Piercing / PCB Layout	Packing Unit	
59 S 501-271 L5	rear mount	71	59 K5	B 22	1	

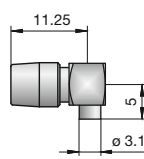
Straight Jack, solder

Semi-Rigid Cables

Ordering Number	Cable Group	Assembly Instruction	Packing Unit	
59 K 101-271 L5	71	59 K4	100	

Right Angle Jack, solder

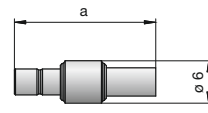
Semi-Rigid Cables

Ordering Number	Cable Group	Assembly Instruction	Packing Unit	
59 K 214-271 L5	71	59 K8	100	

Cable Connectors - Flexible Cables

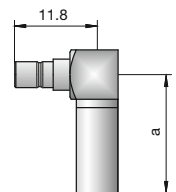
Straight Plug, crimp

Flexible Cables

Ordering Number	Remarks	Cable Group	Assembly Instruction	Crimp Inserts	Packing Unit	
59 S 102-101 L5	a = 20.0 mm MIL-PRF 39012: 68-0008	01	59 G2	11 W 150-402	1	
59 S 102-102 L5	a = 20.0 mm MIL-PRF 39012: 68-0009	02	59 G2	11 W 150-402	100	
59 S 102-103 L5	a = 20.0 mm	03	59 G2	11 W 150-402	100	
59 S 102-106 N5	a = 26.5 mm	06	34 A8	11 W 150-506	100	
59 S 102-1M4 L5	a = 23.0 mm	M4	59 G16, 59 G16-E	11 W 150-504	100	

Right Angle Plug, crimp

Flexible Cables

Ordering Number	Remarks	Cable Group	Assembly Instruction	Crimp Inserts	Packing Unit	
59 S 203-106 A4	a = 18.4 mm	06	59 C4	11 W 150-506	100	

Panel Plug, crimp, hexagonal flange

Flexible Cables

Ordering Number	Version	Cable Group	Assembly Instruction	Panel Piercing / PCB Layout	Crimp Inserts	Packing Unit	
59 S 607-101 L5	rear mount	01	59 G2	B 22	11 W 150-402	100	
59 S 607-102 L5	rear mount	02	59 G2	B 22	11 W 150-402	1	
59 S 607-103 L5	rear mount	03	59 G2	B 22	11 W 150-402	1	

Straight Jack, clamp

Flexible Cables

Ordering Number	Remarks	Cable Group	Assembly Instruction	Packing Unit	
59 K 101-001 L5	MIL-PRF 39012: 67-0003	01	59 A	1	
59 K 101-002 L5		02	59 A	1	

Straight Jack, crimp

Flexible Cables

Ordering Number	Remarks	Cable Group	Assembly Instruction	Crimp Inserts	Packing Unit	
59 K 106-101 L5	a = 18.0 mm	01	59 G2	11 W 150-402	100	
59 K 106-102 L5	a = 18.0 mm	02	59 G2	11 W 150-402	100	
59 K 106-103 L5	a = 18.0 mm	03	59 G2	11 W 150-402	100	
59 K 106-1M4 A4	a = 24.5 mm	M4	59 G17	11 W 15A-504	1000	
59 K 101-1V6 L5	a = 20.0 mm	V6	59 G2	11 W 150-404	100	
59 K 160-103 A4	Quick Lock	03	59 G2	11 W 150-402	100	

Right Angle Jack, solder-crimp

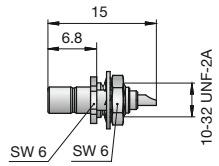
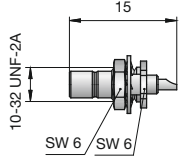
Flexible Cables

Ordering Number	Remarks	Cable Group	Assembly Instruction	Crimp Inserts	Packing Unit	
59 K 204-301 L5	a = 13.0 mm	01	59 F	11 W 150-102	100	
59 K 214-302 L5	a = 13.8 mm	02	59 F	11 W 150-102	100	
59 K 214-303 L5	a = 13.8 mm	03	59 F	11 W 150-103	100	
59 K 214-3M4 A4	a = 16.0 mm	M4	59 F9	11 W 150-504	1000	
59 K 214-3P7 L5	a = 16.5 mm	P7	59 F	11 W 150-150	100	
59 K 214-3V6 L5	a = 16.0 mm	V6	59 F	11 W 150-1V6	100	
59 K 260-302 A4	Quick Lock	02	59 F	11 W 150-102	100	

Panel Connectors - Solder End

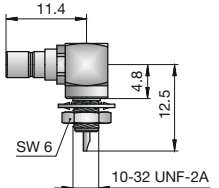
Panel Plug, hexagonal flange

Solder End

Ordering Number	Version	Remarks	Panel Piercing / PCB Layout	Packing Unit	
59 S 601-200 L5	front mount	MIL-STD-C-39012: 71-0002	B 22	100	
59 S 602-200 L5	rear mount	MIL-STD-C-39012: 71-0001	B 22	100	

Right Angle Panel Plug

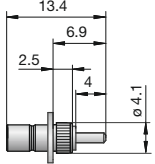
Solder End

Ordering Number	Version	Panel Piercing / PCB Layout	Packing Unit	
59 S 201-200 L5	front mount	B 22	1	

Panel Connectors - Coaxial End

Panel Plug, round flange

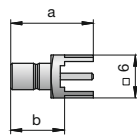
Coaxial End

Ordering Number	Version	Panel Piercing / PCB Layout	Packing Unit	
59 S 108-500 A4	press-in	B 137	200 blister	

PCB Connectors - Solder Pin

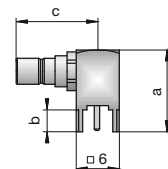
Straight Plug, PCB

Solder Pin

Ordering Number	Remarks	Panel Piercing / PCB Layout	Packing Unit	
59 S 101-400 L5	a = 11.5 mm; b = 7.5 mm	B 30	300	
59 S 102-400 L5	a = 16.5 mm; b = 13.0 mm, round pins	B 30	100	

Right Angle Plug, PCB

Solder Pin

Ordering Number	Remarks	Panel Piercing / PCB Layout	Packing	Packing Unit	
59 S 201-400 L5	a = 11.4 mm; b = 3.1 mm; c = 11.4 mm, round pins	B 30		200	
59 S 225-400 L5	a = 11.4 mm; b = 3.1 mm; c = 13.0 mm, round pins	B 30	VG 72.45000	200 blister; 450 tape & reel	
59 S 212-400 L5	a = 12.7 mm; b = 4.0 mm; c = 10.5 mm	B 30		200	

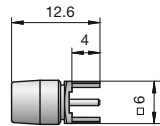
Right Angle Plug, PCB, panel mount

Solder Pin

Ordering Number	Version	Panel Piercing / PCB Layout	Packing Unit	
59 S 206-400 L5	rear mount	B 30 / 54	200	

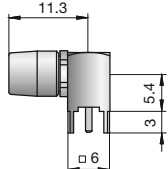
Straight Jack, PCB

Solder Pin

Ordering Number	Panel Piercing / PCB Layout	Packing Unit	
59 K 102-400 L5	B 30	100 blister	

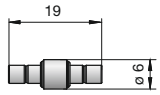
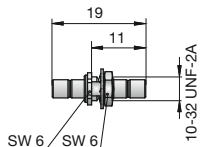
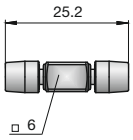
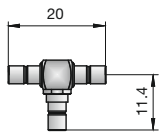
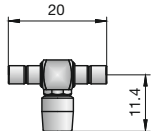
Right Angle Jack, PCB

Solder Pin

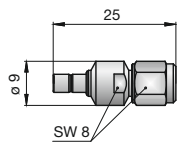
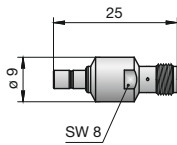
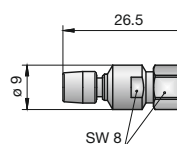
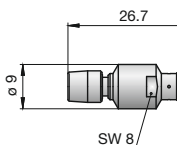
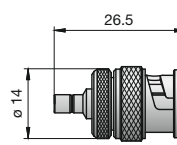
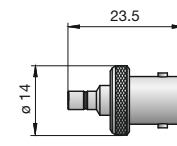
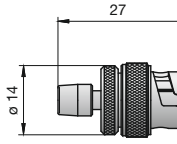
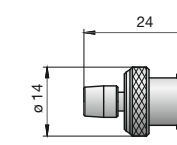
Ordering Number	Remarks	Panel Piercing / PCB Layout	Packing Unit	
59 K 201-400 L5	round pins	B 30	100	

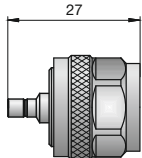
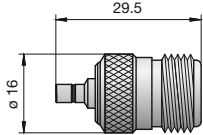
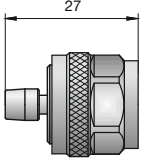
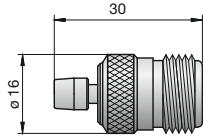
Adaptors

Adaptors (In Series)

Ordering Number	Version	Remarks	Panel Piercing / PCB Layout	Packing Unit	
59 S 101-S00 L5	straight	SMB male - male		1	
59 S 601-S00 L5	straight panel	SMB male - male hexagonal flange	B 22	1	
59 K 101-K00 L5	straight	SMB female - female		1	
59 S 301-S00 L5	T-adaptor	SMB male - male - male		1	
59 S 301-K00 L5	T-adaptor	SMB male - female - male		1	

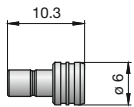
Adaptors (Inter Series)

Ordering Number	Version	Remarks	Packing Unit	
59 S 132-S00 L5	straight	SMB male - SMA male	1	
59 S 132-K00 L5	straight	SMB male - SMA female	1	
59 K 132-S00 L5	straight	SMB female - SMA male	1	
59 K 132-K00 L5	straight	SMB female - SMA female	1	
59 S 151-S00 L5	straight	SMB male - BNC male	1	
59 S 151-K00 L5	straight	SMB male - BNC female	1	
59 K 151-S00 L5	straight	SMB female - BNC male	1	
59 K 151-K00 L5	straight	SMB female - BNC female	1	

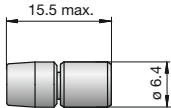
Ordering Number	Version	Remarks	Packing Unit	
59 S 153-S00 L5	straight	SMB male - N male	1	
59 S 153-K00 L5	straight	SMB male - N female	1	
59 K 153-S00 L5	straight	SMB female - N male	1	
59 K 153-K00 L5	straight	SMB female - N female	1	

Terminations

Termination Plug

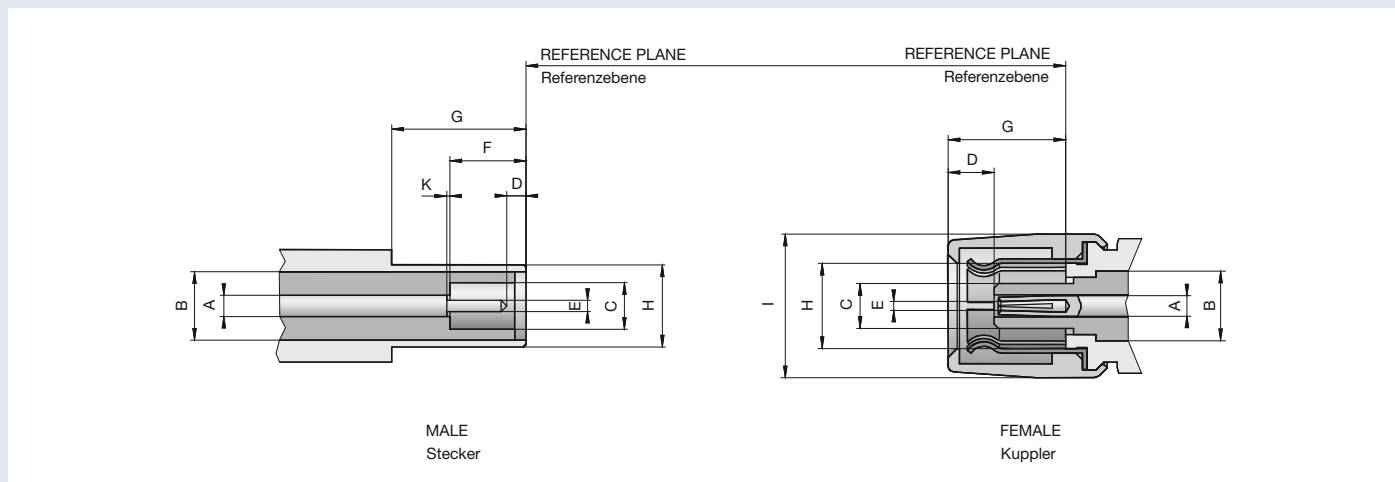
Ordering Number	Remarks	Return Loss	Packing Unit	
59 S 15R-001 E3	1 Watt Frequency: DC to 6 GHz	≥ 23.1 dB @ DC to 2.5 GHz ≥ 17 dB @ 2.5 GHz to 6 GHz	1	

Termination Jack

Ordering Number	Remarks	Return Loss	Packing Unit	
59 K 15R-001 E3	1 Watt Frequency: DC to 2 GHz	≥ 24.9 dB @ DC to 1 GHz ≥ 20.8 dB @ 1 GHz to 2 GHz	1	

Interface Dimensions SMG, 50 Ω

Code 49



SMG, 50 Ω

dimension [mm]	Male Stecker		Female Kuppler	
	min.	max.	min.	max.
A	0.95 nom.		0.95 nom.	
B	3.05 nom.		3.05 nom.	
C	2.08	2.16		2.06
D	0.61		1.81	2.36
E	0.48	0.53		1)
F	3.40			
G	6.00			6.10
H	3.66	3.71		1)
I		6.50		6.50
K	0.00	0.18		

1) resilient, dimension to meet electrical and mechanical requirements

Features

- Interface intermateable with SMB connectors
- Frequency range DC to 4 GHz
- Return loss (cable connector straight) ≥ 17 dB (typ.)
- Impedance 50 Ω
- Slide-on coupling

Product Range

- Cable connectors
- PCB connectors
- Panel connectors

Further connectors available on request

Technical Data SMG, 50 Ω

Code 49

Applicable standards Anwendbare Normen	
Interface intermatible with <i>Interface steckkompatibel mit</i>	SMB connectors
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 4 GHz
Return loss (cable connector straight) <i>Rückflussdämpfung (Kabelsteckverbinder gerade)</i>	≥ 17 dB (typ.)
Insertion loss <i>Dämpfung</i>	≤ 0.1 x √f (GHz) dB
Insulation resistance <i>Isolationswiderstand</i>	≥ 1 GΩ
Center contact resistance <i>Übergangswiderstand Innenleiter</i>	≤ 5 mΩ
Outer contact resistance <i>Übergangswiderstand Außenleiter</i>	≤ 2.5 mΩ
Test voltage <i>Prüfspannung</i>	750 V rms
Working voltage <i>Betriebsspannung</i>	250 V rms
Contact current <i>Kontaktstrombelastbarkeit</i>	≤ 1.5 A DC
RF-leakage <i>Schirmdämpfung</i>	≥ 55 dB @ DC to 1 GHz
Mechanical data Mechanische Daten	
Mating cycles <i>Steckzyklen</i>	≥ 500
Center contact captivation <i>Innenleiter Haltekraft</i>	axial: ≥ 10 N
Engagement force <i>Steckkraft</i>	≤ 8 N
Disengagement force <i>Ziehkraft</i>	≥ 3 N
Environmental data Umweltdaten	
Temperature range <i>Temperaturbereich</i>	-55 °C to +155 °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
Moisture resistance <i>Feuchtigkeitsbeständigkeit</i>	MIL-STD-202, Method 106
Vibration <i>Vibration</i>	MIL-STD-202, Method 204, Condition C
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>	CuZn, Au plating
Crimping ferrule <i>Crimphülse</i>	Soft copper, Au plating
Dielectric <i>Dielektrikum</i>	PTFE
Gasket <i>Dichtung</i>	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.

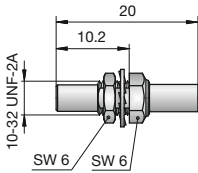
Rosenberger-Steckverbinder erfüllen grundsätzlich die in den Technischen Daten angegebenen Daten. Je nach Anwendung, Bauart, Kabeltyp, Montageart und -ausführung können einzelne Werte von Steckverbindern hiervon abweichen. Spezifische Datenblätter zu einzelnen Produkten erhalten Sie auf Anfrage von Ihrem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

Cable Connectors - Flexible Cables

Panel Plug, crimp, hexagonal flange

Flexible Cables

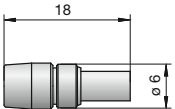
Ordering Number	Version	Cable Group	Assembly Instruction	Panel Piercing / PCB Layout	Crimp Inserts	Packing Unit
49 S 607-102 L5	rear mount	02	59 G2	B 22	11 W 150-402	100



Straight Jack, crimp

Flexible Cables

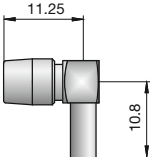
Ordering Number	Cable Group	Assembly Instruction	Crimp Inserts	Packing Unit
49 K 106-102 L5	02	59 G2	11 W 150-402	100



Right Angle Jack, solder-crimp

Flexible Cables

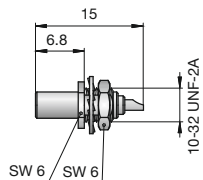
Ordering Number	Cable Group	Assembly Instruction	Crimp Inserts	Packing Unit
49 K 201-302 L5	02	59 F	11 W 150-102	100



Panel Connectors - Solder End

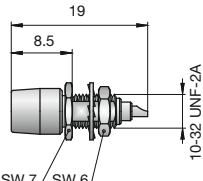
Panel Plug, hexagonal flange

Solder End

Ordering Number	Version	Panel Piercing / PCB Layout	Packing Unit	
49 S 601-200 L5	front mount	B 22	1	

Panel Jack, hexagonal flange

Solder End

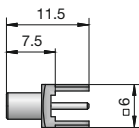
Ordering Number	Version	Panel Piercing / PCB Layout	Packing Unit	
49 K 601-200 E3	front mount	B 22	100	

 SMB
 SMG, SMC
 SSMB, SSMC

PCB Connectors - Solder Pin

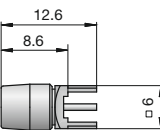
Straight Plug, PCB

Solder Pin

Ordering Number	Panel Piercing / PCB Layout	Packing Unit	
49 S 101-400 L5	B 30	100 blister	

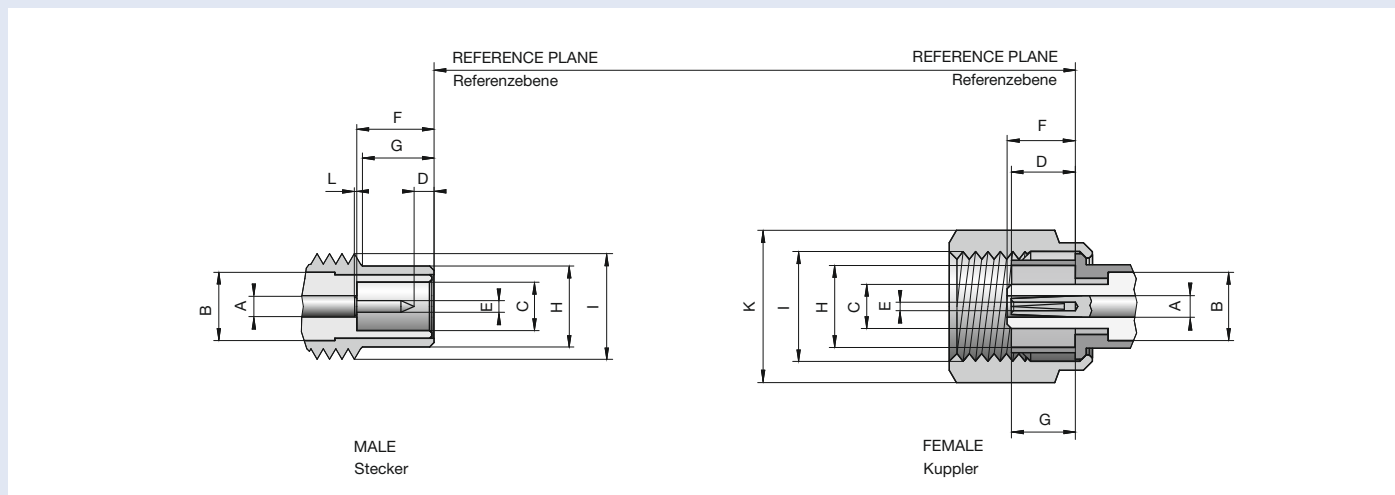
Straight Jack, PCB

Solder Pin

Ordering Number	Panel Piercing / PCB Layout	Packing Unit	
49 K 102-400 L5	B 30	100 blister	

Interface Dimensions SMC, 50 Ω

Code 39



SMC, 50 Ω

dimension [mm]	Male Stecker		Female Kuppler	
	min.	max.	min.	max.
A	0.95 nom.		0.95 nom.	
B	3.05 nom.		3.05 nom.	
C	2.08			2.06
D	0.61		2.85	3.40
E	0.48	0.53		1)
F	3.40			3.40
G	3.12	3.38		3.10
H		3.71	3.73	
I	10-32 UNF-2A		10-32 UNF-2B	
K			hex 6	
L	0.00	0.18		

1) resilient, dimension to meet electrical and mechanical requirements

Features

Interface according to IEC 60169-9, CECC 22140, US MIL-PRF-39012
 Frequency range DC to 6 GHz
 Return loss (cable connector straight) ≥ 20 dB @ 3 GHz
 Impedance 50 Ω
 Screw-on coupling

Product Range

Cable connectors
 PCB connectors
 Panel connectors
 Adaptors

Further connectors available on request

Technical Data SMC, 50 Ω

Code 39

Applicable standards Anwendbare Normen	
Interface according to <i>Interface gemäß</i>	IEC 60169-9, CECC 22140, MIL-PRF-39012
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 6 GHz
Return loss (cable connector straight) <i>Rückflussdämpfung (Kabelsteckverbinder gerade)</i>	≥ 30 dB @ DC to 1 GHz ≥ 20 dB @ 1 GHz to 3 GHz ≥ 18 dB @ 3 GHz to 6 GHz
Insertion loss <i>Dämpfung</i>	≤ 0.1 x √f (GHz) dB
Insulation resistance <i>Isolationswiderstand</i>	≥ 1 GΩ
Center contact resistance <i>Übergangswiderstand Innenleiter</i>	≤ 5 mΩ
Outer contact resistance <i>Übergangswiderstand Außenleiter</i>	≤ 2.5 mΩ
Test voltage <i>Prüfspannung</i>	750 V rms
Working voltage <i>Betriebsspannung</i>	250 V rms
Contact current <i>Kontaktstrombelastbarkeit</i>	≤ 1.5 A DC
RF-leakage <i>Schirmdämpfung</i>	≥ 90 dB @ DC to 1 GHz
Mechanical data Mechanische Daten	
Mating cycles <i>Steckzyklen</i>	≥ 500
Center contact captivation <i>Innenleiter Haltekraft</i>	axial: ≥ 10 N
Coupling test torque <i>Prüfdrehmoment</i>	≤ 0.71 Nm
Coupling torque recommended <i>Drehmoment empfohlen</i>	0.25 Nm to 0.35 Nm
Environmental data Umweltdaten	
Temperature range <i>Temperaturbereich</i>	-55 °C to +155 °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
Moisture resistance <i>Feuchtigkeitsbeständigkeit</i>	MIL-STD-202, Method 106
Vibration <i>Vibration</i>	MIL-STD-202, Method 204, Condition D
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>	CuZn, Au plating
Crimping ferrule <i>Crimphülse</i>	Soft copper, Au plating
Dielectric <i>Dielektrikum</i>	PTFE
Gasket <i>Dichtung</i>	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

Panel Plug, solder, round flange

Semi-Rigid Cables

Ordering Number	Version	Cable Group	Assembly Instruction	Panel Piercing / PCB Layout	Packing Unit	
39 S 501-271 L5	rear mount	71	59 K5	B 22	100	

Right Angle Jack, solder

Semi-Rigid Cables

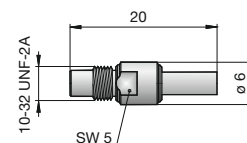
Ordering Number	Cable Group	Assembly Instruction	Packing Unit	
39 K 20A-271 L5	71	59 K1	100	

Cable Connectors - Flexible Cables

Straight Plug, crimp

Flexible Cables

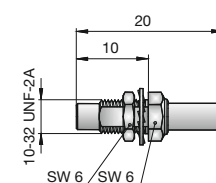
Ordering Number	Cable Group	Assembly Instruction	Crimp Inserts	Packing Unit
39 S 102-101 L5	01	59 G2	11 W 150-402	1
39 S 102-102 L5	02	59 G2	11 W 150-402	1
39 S 102-103 L5	03	59 G2	11 W 150-402	1



Panel Plug, crimp, hexagonal flange

Flexible Cables

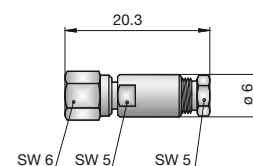
Ordering Number	Version	Cable Group	Assembly Instruction	Panel Piercing / PCB Layout	Crimp Inserts	Packing Unit
39 S 607-101 L5	rear mount	01	59 G2	B 22	11 W 150-402	1
39 S 607-102 L5	rear mount	02	59 G2	B 22	11 W 150-402	1
39 S 607-103 L5	rear mount	03	59 G2	B 22	11 W 150-402	1



Straight Jack, clamp

Flexible Cables

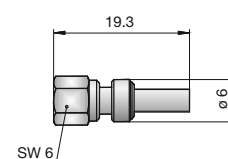
Ordering Number	Cable Group	Assembly Instruction	Packing Unit
39 K 101-002 L5	02, 03	59 A	1



Straight Jack, crimp

Flexible Cables

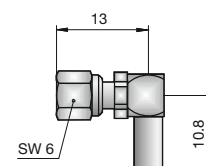
Ordering Number	Cable Group	Assembly Instruction	Crimp Inserts	Packing Unit
39 K 102-101 L5	01	59 G2	11 W 150-402	1
39 K 102-102 L5	02	59 G2	11 W 150-402	1
39 K 102-103 L5	03	59 G2	11 W 150-402	1



Right Angle Jack, solder-crimp

Flexible Cables

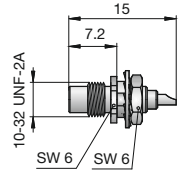
Ordering Number	Cable Group	Assembly Instruction	Crimp Inserts	Packing Unit
39 K 202-301 L5	01	59 F	11 W 150-101	1, 100
39 K 202-302 L5	02	59 F	11 W 150-102	1
39 K 202-303 L5	03	59 F	11 W 150-103	1



Panel Connectors - Solder End

Panel Plug, hexagonal flange

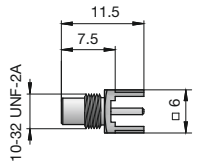
Solder End

Ordering Number	Version	Panel Piercing / PCB Layout	Packing Unit	
39 S 601-200 L5	front mount	B 22	1	

PCB Connectors - Solder Pin

Straight Plug, PCB

Solder Pin

Ordering Number	Panel Piercing / PCB Layout	Packing Unit	
39 S 101-400 L5	B 30	100	

Right Angle Plug, PCB

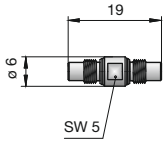
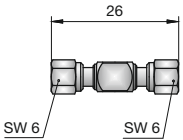
Solder Pin

Ordering Number	Panel Piercing / PCB Layout	Packing Unit	
39 S 201-400 L5	B 30	200 blister	

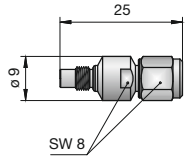
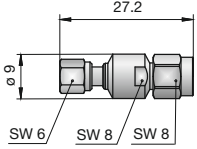
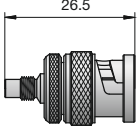
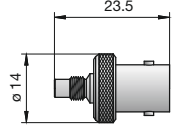
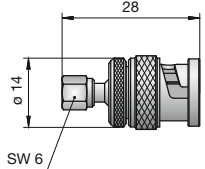
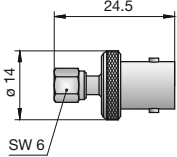
SMB
SMG, SMC
SSMB, SSMC

Adaptors

Adaptors (In Series)

Ordering Number	Version	Remarks	Packing Unit	
39 S 101-S00 L5	straight	SMC male - male	1	
39 K 101-K00 L5	straight	SMC female - female	1	

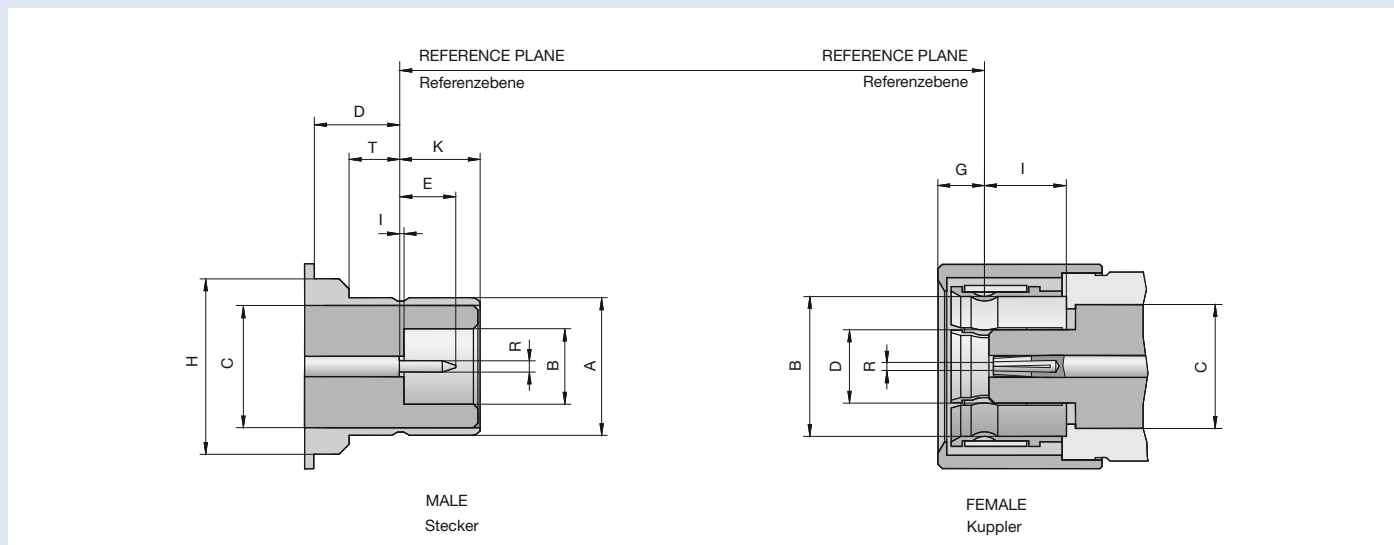
Adaptors (Inter Series)

Ordering Number	Version	Remarks	Packing Unit	
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	
39 S 151-S00 L5	straight	SMC male - BNC male	1	
39 S 151-K00 L5	straight	SMC male - BNC female	1	
39 K 151-S00 L5	straight	SMC female - BNC male	1	
39 K 151-K00 L5	straight	SMC female - BNC female	1	

SMB
SMG, SMC
SSMB, SSMC

Interface Dimensions SMB, 75 Ω

Code 759



SMB, 75 Ω

dimension [mm]	Male Stecker		Female Kuppler	
	min.	max.	min.	max.
A	6.20	6.25		
B	3.35		6.25	
C	5.60 nom.		5.60 nom.	
D	2.36			3.33
E		2.97		
G				2.36
H		7.94		
I		0.18	3.58	
K	3.33	3.58		
R	0.48	0.53	1)	
T	2.01			

1) resilient, dimension to meet electrical and mechanical requirements

Features

Interface similar to BT 43 (BS 9210 F0022)
 Frequency range DC to 4 GHz
 Return loss (cable connector straight) ≥ 20 dB (typ.)
 Impedance 75 Ω
 Snap-on coupling

Product Range

Cable connectors
 PCB connectors (solder, press-fit versions)
 Panel connectors
 Adaptors

Further connectors available on request

Technical Data SMB, 75 Ω

Code 759

Applicable standards Anwendbare Normen	
Interface similar to <i>Interface ähnlich</i>	BT 43 (BS 9210 F0022)
Quality tested according to <i>Qualitätsprüfung gemäß</i>	IEC 60068
Electrical data Elektrische Daten	
Impedance <i>Wellenwiderstand</i>	75 Ω
Frequency range <i>Frequenzbereich</i>	DC to 4 GHz
Return loss (cable connector straight) <i>Rückflussdämpfung (Kabelsteckverbinder gerade)</i>	≥ 20 dB (typ.)
Insertion loss <i>Dämpfung</i>	≤ 0.1 x √f (GHz) dB
Insulation resistance <i>Isolationswiderstand</i>	≥ 2 GΩ
Center contact resistance <i>Übergangswiderstand Innenleiter</i>	≤ 5 mΩ
Outer contact resistance <i>Übergangswiderstand Außenleiter</i>	≤ 2.5 mΩ
Test voltage <i>Prüfspannung</i>	750 V rms
Working voltage <i>Betriebsspannung</i>	250 V rms
Contact current <i>Kontaktstrombelastbarkeit</i>	≤ 1.0 A DC
RF-leakage <i>Schirmdämpfung</i>	≥ 70 dB @ DC to 1 GHz
Mechanical data Mechanische Daten	
Mating cycles <i>Steckzyklen</i>	≥ 500
Center contact captivation <i>Innenleiter Haltekraft</i>	axial: ≥ 10 N
Engagement force <i>Steckkraft</i>	8 N to 63 N
Disengagement force <i>Ziehkraft</i>	8 N to 63 N
Environmental data Umweltdaten	
Temperature range <i>Temperaturbereich</i>	-40 °C to +100 °C
Dry heat <i>Trockene Wärme</i>	IEC 60068-2-2
Damp heat <i>Feuchte Wärme</i>	IEC 60068-2-78
Climatic category <i>Klimakategorie</i>	IEC 60068-2-1 40/100/21
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>	CuZn, Au plating
Crimping ferrule <i>Crimphülse</i>	Soft copper, Ni plating
Dielectric <i>Dielektrikum</i>	PTFE

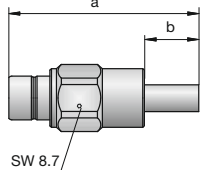
Rosenberger-connectors fulfill in principle the indicated data of the Technical Data. Individual values of connectors may deviate depending upon application, design, type of cable, assembly method and execution. Specific data sheets for particular products can be provided on request from your Rosenberger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

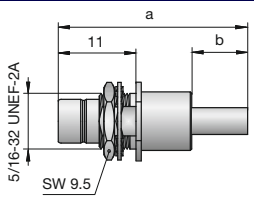
Straight Plug, crimp

Flexible Cables

Ordering Number	Remarks	Cable Group	Assembly Instruction	Crimp Inserts	Packing Unit	
759 S 113-102 L3	a= 26.3 mm; b= 7.8 mm	02	759 D4	11 W 150-402	100	

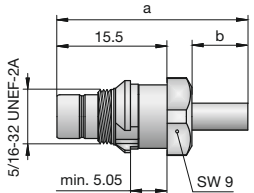
Panel Plug, crimp, hexagonal flange

Flexible Cables

Ordering Number	Version	Remarks	Cable Group	Assembly Instruction	Panel Piercing / PCB Layout	Crimp Inserts	Packing Unit	
759 S 611-102 L3	rear mount	a= 26.3 mm; b= 7.8 mm	02	759 D4	B 65	11 W 150-402	100	

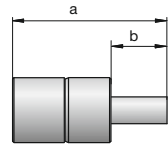
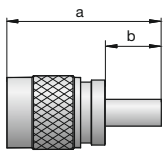
Clip-type Panel Plug, crimp, hexagonal flange

Flexible Cables

Ordering Number	Version	Remarks	Cable Group	Assembly Instruction	Panel Piercing / PCB Layout	Crimp Inserts	Packing Unit	
759 S 613-102 L3	rear mount	a= 26.3 mm; b= 7.8 mm	02	759 D4	B 66	11 W 150-402	100	
759 S 613-1V6 L3	rear mount	a= 27.5 mm; b= 9.0 mm	V6	759 D4	B 66	11 W 150-404	100	

Straight Jack, crimp

Flexible Cables

Ordering Number	Version	Remarks	Cable Group	Assembly Instruction	Crimp Inserts	Packing Unit	
759 K 103-102 L3		a=22.4 mm; b=7.8 mm	02	759 D4	11 W 150-402	100	
759 K 103-1V6 L3		a= 23.6 mm; b= 9.0 mm	V6	759 D4	11 W 150-404	100	
759 K 153-102 L3	Quick Lock	a= 21.9 mm; b= 7.8 mm	02	759 D4	11 W 150-402	100	
759 K 153-1V6 L5	Quick Lock	a= 23.14 mm; b= 9.0 mm	V6	759 D4	11 W 150-404	100	

Right Angle Jack, solder-crimp

Flexible Cables

Ordering Number	Remarks	Cable Group	Assembly Instruction	Crimp Inserts	Packing Unit	
759 K 202-302 L5	a = 10.5 mm; b = 15.5 mm	02	759 C	11 W 150-102	1	

Panel Connectors - Solder End

Panel Plug, hexagonal flange

Solder End

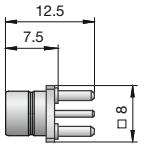
Ordering Number	Version	Panel Piercing / PCB Layout	Packing Unit	
759 S 602-200 L5	rear mount	B 65	100	

SMB
SMG, SMC
SSMB, SSMC

PCB Connectors - Solder Pin

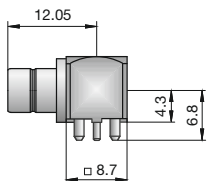
Straight Plug, PCB

Solder Pin

Ordering Number	Remarks	Panel Piercing / PCB Layout	Packing Unit	
759 S 105-400 L5	round pins	B 68	100 blister	

Right Angle Plug, PCB

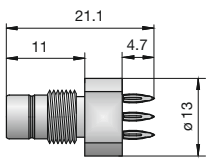
Solder Pin

Ordering Number	Remarks	Panel Piercing / PCB Layout	Packing Unit	
759 S 205-400 L3	round pins	B 68	50 blister 250 tape & reel	

PCB Connectors - press-fit

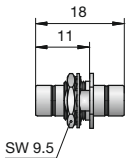
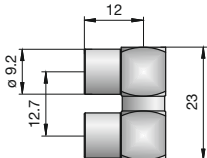
Straight Plug, PCB

Press-fit

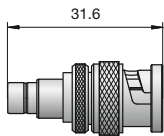
Ordering Number	Remarks	Panel Piercing / PCB Layout	Packing Unit	
759 S 502-40P L5	2 extra screw holes M 2.5	B 7 / 220	100 blister	

Adaptors

Adaptors (In Series)

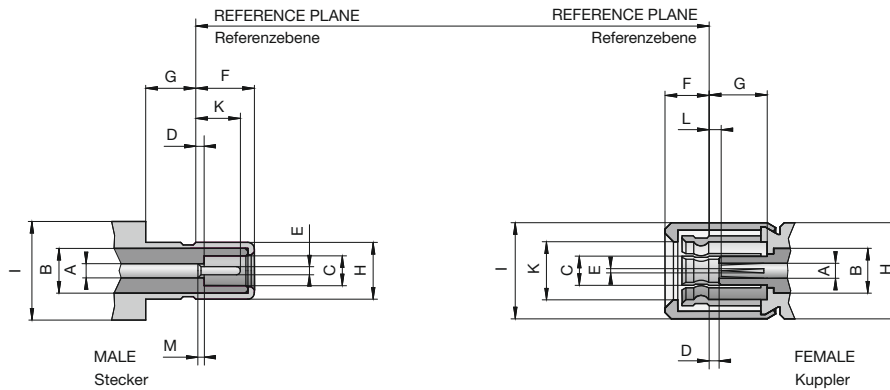
Ordering Number	Version	Remarks	Packing Unit	
759 S 601-S00 L5	straight	SMB 75 Ω male - male hexagonal flange	1	
759 K 900-K00 L5	U-link	SMB 75 Ω female - female	1	

Adaptors (Inter Series)

Ordering Number	Version	Remarks	Packing Unit	
759 S 171-S00 L5	straight	SMB 75 Ω male - BNC 75 Ω male	1	

Interface Dimensions SSMB

Code 35



SSMB

dimension [mm]	Male Stecker		Female Kuppler	
	min.	max.	min.	max.
A		1)		1)
B	2.11 nom.		2.11 nom.	
C	1.37			1.35
D		0.56	0.53	
E	0.35	0.38		2)
F		2.77		2.26
G	2.30		2.74	
H		2.69	4.50 nom.	
I	4.50 nom.		4.50 nom.	
K		2.44	2.74	
L			0.53	0.89
M	0.00	0.13		

1) contact diameters refer to 50 Ω

2) resilient, dimension to meet electrical and mechanical requirements

Features

Interface according to EN 122170, IEC 60169-19
 Frequency range DC to 3 GHz
 Return loss (cable connector straight) ≥ 17 dB (typ.)
 Impedance 50 Ω
 Snap-on coupling

Product Range

Cable connectors
 PCB connectors
 Panel connectors

Further connectors available on request

Technical Data SSMB

Code 35

Applicable standards Anwendbare Normen	
Interface according to <i>Interface gemäß</i>	EN 122170, IEC 60169-19
Quality tested according to <i>Qualitätsprüfung gemäß</i>	IEC 60068
Electrical data Elektrische Daten	
Impedance <i>Wellenwiderstand</i>	50 Ω
Frequency range <i>Frequenzbereich</i>	DC to 3 GHz
Return loss (cable connector straight) <i>Rückflussdämpfung (Kabelsteckverbinder gerade)</i>	≥ 17 dB (typ.)
Insertion loss <i>Dämpfung</i>	≤ 0.1 x √f (GHz) dB
Insulation resistance <i>Isolationswiderstand</i>	≥ 1 GΩ
Center contact resistance <i>Übergangswiderstand Innenleiter</i>	≤ 5 mΩ
Outer contact resistance <i>Übergangswiderstand Außenleiter</i>	≤ 2.5 mΩ
Test voltage <i>Prüfspannung</i>	500 V rms
Working voltage <i>Betriebsspannung</i>	175 V rms
RF-leakage <i>Schirmdämpfung</i>	≥ 40 dB @ DC to 1 GHz
Mechanical data Mechanische Daten	
Mating cycles <i>Steckzyklen</i>	≥ 500
Center contact captivation <i>Innenleiter Haltekraft</i>	axial: ≥ 8 N
Engagement force <i>Steckkraft</i>	8 N to 27 N
Disengagement force <i>Ziehkraft</i>	8 N to 27 N
Environmental data Umweltdaten	
Temperature range <i>Temperaturbereich</i>	-55 °C to +155 °C
Dry heat <i>Trockene Wärme</i>	IEC 60068-2-2
Damp heat <i>Feuchte Wärme</i>	IEC 60068-2-78
Climatic category <i>Klimakategorie</i>	IEC 60068-2-1 55/155/21
Vibration <i>Vibration</i>	IEC 60068-2-6 (10 Hz to 500 Hz, 98 m/s ²)
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>	CuBe, Au plating
Outer contact <i>Außenleiter</i>	CuZn, Au plating
Crimping ferrule <i>Crimphülse</i>	Soft copper, Au plating
Dielectric <i>Dielektrikum</i>	PTFE

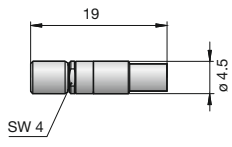
Rosenberger-connectors fulfill in principle the indicated data of the Technical Data. Individual values of connectors may deviate depending upon application, design, type of cable, assembly method and execution. Specific data sheets for particular products can be provided on request from your Rosenberger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

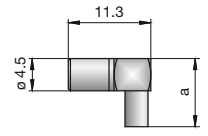
Straight Jack, solder-crimp

Flexible Cables

Ordering Number	Cable Group	Assembly Instruction	Crimp Inserts	Packing Unit	
35 K 102-301 L5	01	35 B	11 W 150-101	1	
35 K 102-302 L5	02	35 B	11 W 150-102	1	

Right Angle Jack, solder-crimp

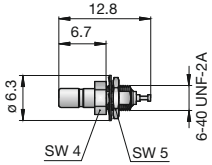
Flexible Cables

Ordering Number	Remarks	Cable Group	Assembly Instruction	Crimp Inserts	Packing Unit	
35 K 203-301 L5	a = 9.3 mm	01	35 C	11 W 150-101	100	
35 K 203-302 L5	a = 12.3 mm	02	35 C1	11 W 150-102	100	

Panel Connectors - Solder End

Panel Plug, hexagonal flange

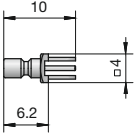
Solder End

Ordering Number	Version	Panel Piercing / PCB Layout	Packing Unit	
35 S 601-200 L5	front mount	B 23	1	

PCB Connectors - Solder Pin

Straight Plug, PCB

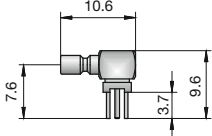
Solder Pin

Ordering Number	Remarks	Panel Piercing / PCB Layout	Packing Unit	
35 S 101-400 L5	round pins	B 35	200 blister	

SMB
SMG, SMC
SSMB, SSMC

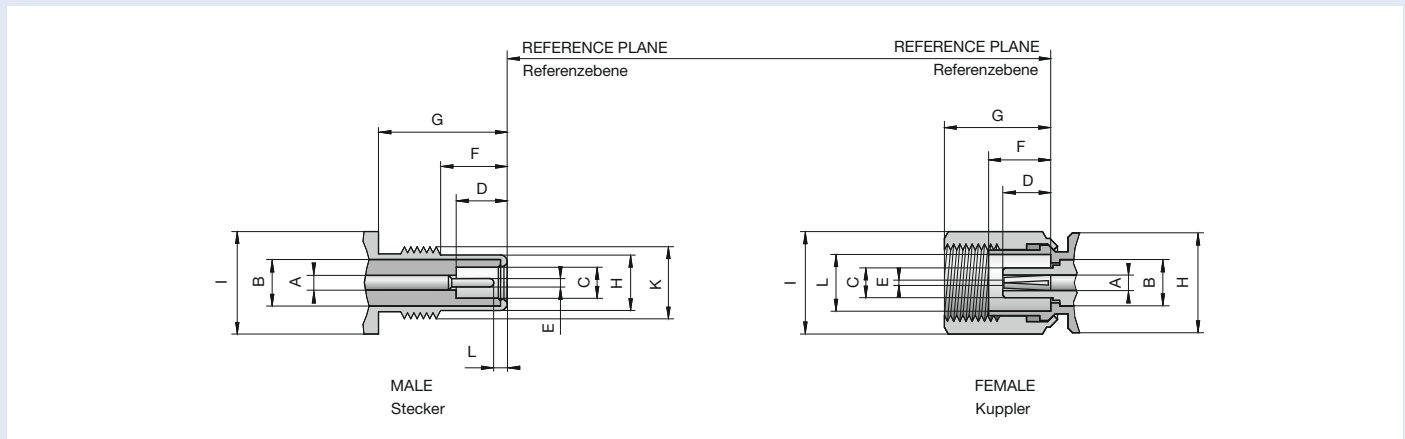
Right Angle Plug, PCB

Solder Pin

Ordering Number	Remarks	Panel Piercing / PCB Layout	Packing Unit	
35 S 201-400 L5	round pins	B 35	200 blister	

Interface Dimensions SSMC

Code 38



SSMC

dimension [mm]	Male Stecker		Female Kuppler	
	min.	max.	min.	max.
A		1)		1)
B	2.11 nom.		2.11 nom.	
C	1.37			1.35
D	2.29			2.29
E	0.35	0.38		2)
F	2.94			2.84
G	5.71			5.70
H		2.54	4.50 nom	
I	4.50 nom		hex 4	
K	6-40 UNF-2A		6-40 UNF-2B	
L		0.84	2.59	

1) contact diameters refer to 50 Ω

2) resilient, dimension to meet electrical and mechanical requirements

Features

Interface according to EN 122180, IEC 60169-20
 Frequency range DC to 6 GHz
 Return loss (cable connector straight) ≥ 16 dB (typ.)
 Impedance 50 Ω
 Screw-on coupling

Product Range

Cable connectors
 Panel connectors

Further connectors available on request

Technical Data SSMC

Code 38

Applicable standards Anwendbare Normen	
Interface according to <i>Interface gemäß</i>	EN 122180, IEC 60169-20
Quality tested according to <i>Qualitätsprüfung gemäß</i>	IEC 60068
Electrical data Elektrische Daten	
Impedance <i>Wellenwiderstand</i>	50 Ω
Frequency range <i>Frequenzbereich</i>	DC to 6 GHz
Return loss (cable connector straight) <i>Rückflussdämpfung (Kabelsteckverbinder gerade)</i>	≥ 16 dB (typ.)
Insertion loss <i>Dämpfung</i>	≤ 0.1 x √f (GHz) dB
Insulation resistance <i>Isolationswiderstand</i>	≥ 1 GΩ
Center contact resistance <i>Übergangswiderstand Innenleiter</i>	≤ 5 mΩ
Outer contact resistance <i>Übergangswiderstand Außenleiter</i>	≤ 2.5 mΩ
Test voltage <i>Prüfspannung</i>	500 V rms
Working voltage <i>Betriebsspannung</i>	175 V rms
RF-leakage <i>Schirmdämpfung</i>	≥ 70 dB @ DC to 1 GHz
Mechanical data Mechanische Daten	
Mating cycles <i>Steckzyklen</i>	≥ 500
Coupling nut retention <i>Überwurfmutter Haltekraft</i>	≥ 100 N
Center contact captivation <i>Innenleiter Haltekraft</i>	axial: ≥ 8 N
Coupling test torque <i>Prüfdrehmoment</i>	≤ 0.3 Nm
Coupling torque recommended <i>Drehmoment empfohlen</i>	0.20 Nm to 0.23 Nm
Environmental data Umweltdaten	
Temperature range <i>Temperaturbereich</i>	-55 °C to +155 °C
Dry heat <i>Trockene Wärme</i>	IEC 60068-2-2
Damp heat <i>Feuchte Wärme</i>	IEC 60068-2-78
Climatic category <i>Klimakategorie</i>	IEC 60068-2-1 55/155/21
Vibration <i>Vibration</i>	IEC 60068-2-6 (10 Hz to 500 Hz, 98 m/s ²)
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>	CuBe, Au plating
Outer contact <i>Außenleiter</i>	CuZn, Au plating
Crimping ferrule <i>Crimphülse</i>	Soft copper, Au plating
Dielectric <i>Dielektrikum</i>	PTFE

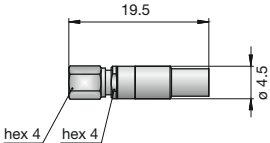
Rosenberger-connectors fulfill in principle the indicated data of the Technical Data. Individual values of connectors may deviate depending upon application, design, type of cable, assembly method and execution. Specific data sheets for particular products can be provided on request from your Rosenberger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

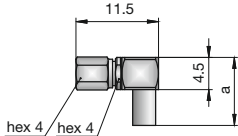
Straight Jack, solder-crimp

Flexible Cables

Ordering Number	Cable Group	Assembly Instruction	Crimp Inserts	Packing Unit	
38 K 102-301 L5	01	35 B	11 W 150-101	100	

Right Angle Jack, solder-crimp

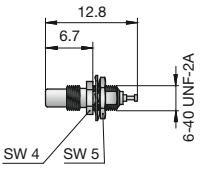
Flexible Cables

Ordering Number	Remarks	Cable Group	Assembly Instruction	Crimp Inserts	Packing Unit	
38 K 202-301 L5	a = 9.3 mm	01	35 C	11 W 150-101	100	
38 K 202-302 L5	a = 12.3 mm	02	35 C1	11 W 150-102	1	

Panel Connectors - Solder End

Panel Plug, hexagonal flange

Solder End

Ordering Number	Version	Panel Piercing / PCB Layout	Packing Unit	
38 S 601-200 L5	front mount	B 23	1	 <p>Technical drawing of a panel plug showing dimensions: 12.8 (total width), 6.7 (width of the hexagonal flange), 6-40 UNF-2A (thread specification), SW 4 (width of the solder end), and SW 5 (width of the main body).</p>