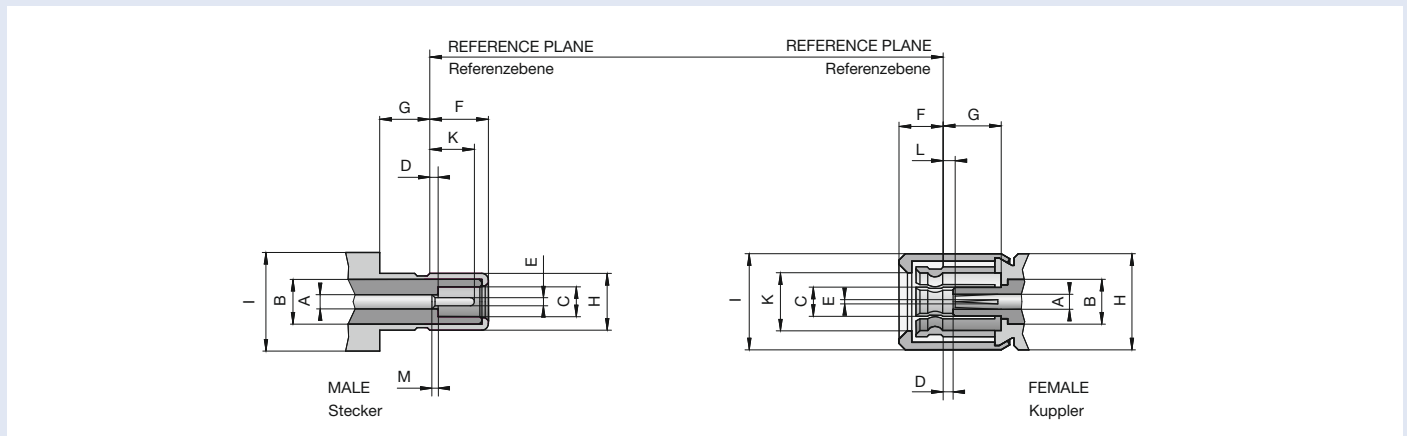


Interface Dimensions SSMB

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>	$\leq 0.1 \times \sqrt{f}$ (GHz) dB
Insulation resistance <i>Isolationswiderstand</i>	≥ 1 G Ω
Center contact resistance <i>Übergangswiderstand Innenleiter</i>	≤ 5 m Ω
Outer contact resistance <i>Übergangswiderstand Außenleiter</i>	≤ 2.5 m Ω
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	