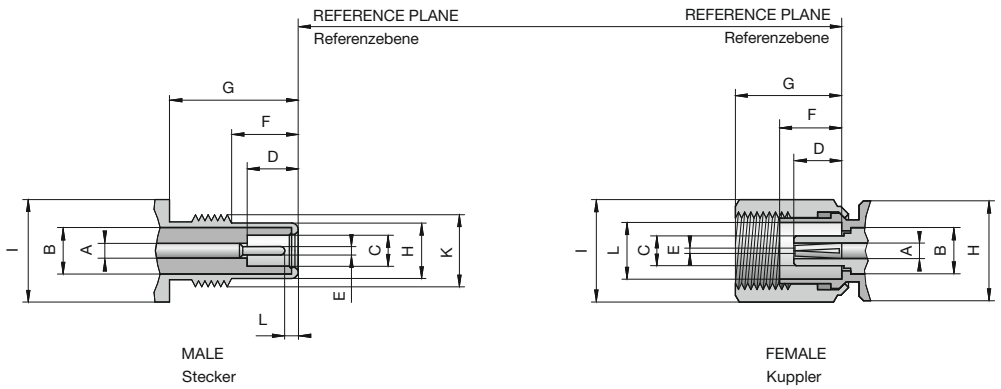
Interface Dimensions SSMC *Code 38*



SSMC

	Male | *Stecker*		Female | *Kuppler*	
dimension [mm]	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*

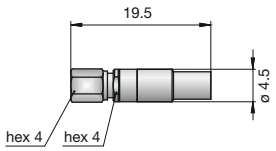
Applicable standards | *Anwendbare Normen*	
Interface according to | *Interface gemäß*	EN 122180, IEC 60169-20
Quality tested according to | *Qualitätsprüfung gemäß*	IEC 60068
Electrical data | *Elektrische Daten*	
Impedance | *Wellenwiderstand*	50 Ω
Frequency range | *Frequenzbereich*	DC to 6 GHz
Return loss (cable connector straight) | *Rückflussdämpfung (Kabelsteckverbinder gerade)*	≥ 16 dB (typ.)
Insertion loss | *Dämpfung*	≤ 0.1 x $\sqrt{f\ (GHz)}$ dB
Insulation resistance | *Isolationswiderstand*	≥ 1 GΩ
Center contact resistance | *Übergangswiderstand Innenleiter*	≤ 5 mΩ
Outer contact resistance | *Übergangswiderstand Außenleiter*	≤ 2.5 mΩ
Test voltage | *Prüfspannung*	500 V rms
Working voltage | *Betriebsspannung*	175 V rms
RF-leakage | *Schirmdämpfung*	≥ 70 dB @ DC to 1 GHz
Mechanical data | *Mechanische Daten*	
Mating cycles | *Steckzyklen*	≥ 500
Coupling nut retention | *Überwurfmutter Haltekraft*	≥ 100 N
Center contact captivation | *Innenleiter Haltekraft*	axial: ≥ 8 N
Coupling test torque | *Prüfdrehmoment*	≤ 0.3 Nm
Coupling torque recommended | *Drehmoment empfohlen*	0.20 Nm to 0.23 Nm
Environmental data | *Umweltdaten*	
Temperature range | *Temperaturbereich*	-55 °C to +155 °C
Dry heat | *Trockene Wärme*	IEC 60068-2-2
Damp heat | *Feuchte Wärme*	IEC 60068-2-78
Climatic category | *Klimakategorie*	IEC 60068-2-1 55/155/21
Vibration | *Vibration*	IEC 60068-2-6 (10 Hz to 500 Hz, 98 m/s²)
Max. soldering temperature (PCB connectors) | *Max. Löttemperatur (Leiterplattensteckverbinder)*	IEC 61760-1, +260 °C for 10 sec.
Materials | *Materialien*	
Spring loaded contact parts | *Federnde Kontaktteile*	CuBe, Au plating
Center contact | *Innenleiter*	CuBe, Au plating
Outer contact | *Außenleiter*	CuZn, Au plating
Crimping ferrule | *Crimphülse*	Soft copper, Au plating
Dielectric | *Dielektrikum*	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.

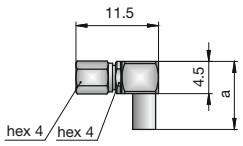
Rosenberger-Steckverbinder erfüllen grundsätzlich die in den Technischen Daten angegebenen Daten. Je nach Anwendung, Bauart, Kabeltyp, Montageart und -ausführung können einzelne Werte von Steckverbindern hiervon abweichen. Spezifische Datenblätter zu einzelnen Produkten erhalten Sie auf Anfrage von Ihrem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