

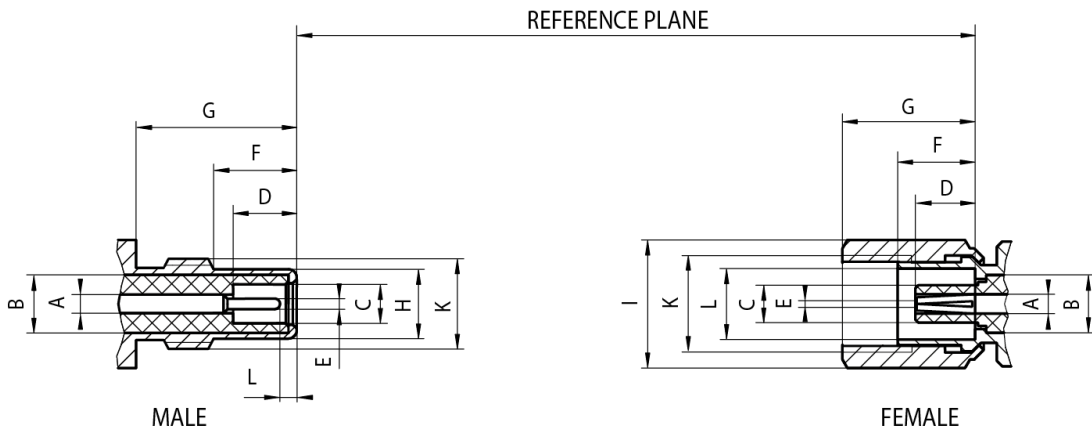
# Technical Data

# Rosenberger

38

SSMC

38-000-000\_TD



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

Dimensions in mm

1) Contact diameter refers to 50 Ω

2) Resilient, dimension to meet electrical and mechanical requirements

## Interface

According to

EN 122180, IEC 60169-20

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RFB00035

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Chr. Janßen	05.02.2019	Chr. Janßen	05.02.2019	a00	19-s083	J_Krautenbac	12.03.2019
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**Technical Data****Rosenberger**

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SSMC

**38-000-000\_TD****Electrical data**

Impedance	50 Ω
Frequency range	DC to 6 GHz
Return loss (cable connector straight)	≥ 16 dB (typ.)
Insertion loss	≤ 0.1 x √[f GHz] dB
Insulation resistance	≥ 1 GΩ
Center contact resistance	≤ 5 mΩ
Outer contact resistance	≤ 2.5 mΩ
Test voltage	500 V rms
Working voltage	175 V rms
RF-leakage - Interface	≥ 70 dB @ DC to 1 GHz

**Mechanical data**

Mating cycles	≥ 500
Coupling nut retention	≥ 100 N
Center contact captivation	axial: ≥ 8 N
Coupling test torque	≤ 0.3 Nm
Coupling torque recommended	0.20 Nm to 0.23 Nm

**Environmental data**

Temperature range	-55 °C to +155 °C
Dry heat	IEC 60068-2-2
Damp heat	IEC 60068-2-78
Climatic category	IEC 60068-2-1 55/155/21
Vibration	IEC 60068-2-6 (10 Hz to 500 Hz, 98 m/s <sup>2</sup> )
Max. soldering temperature (PCB connectors)	IEC 61760-1, +260 °C for 10 sec.

**Materials**

Connector parts	Material	Plating
Spring loaded contact parts	CuBe	Au
Center contact	CuBe	Au
Outer contact	CuZn	Au
Crimping ferrule	Cu	Au
Dielectric	PTFE	

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