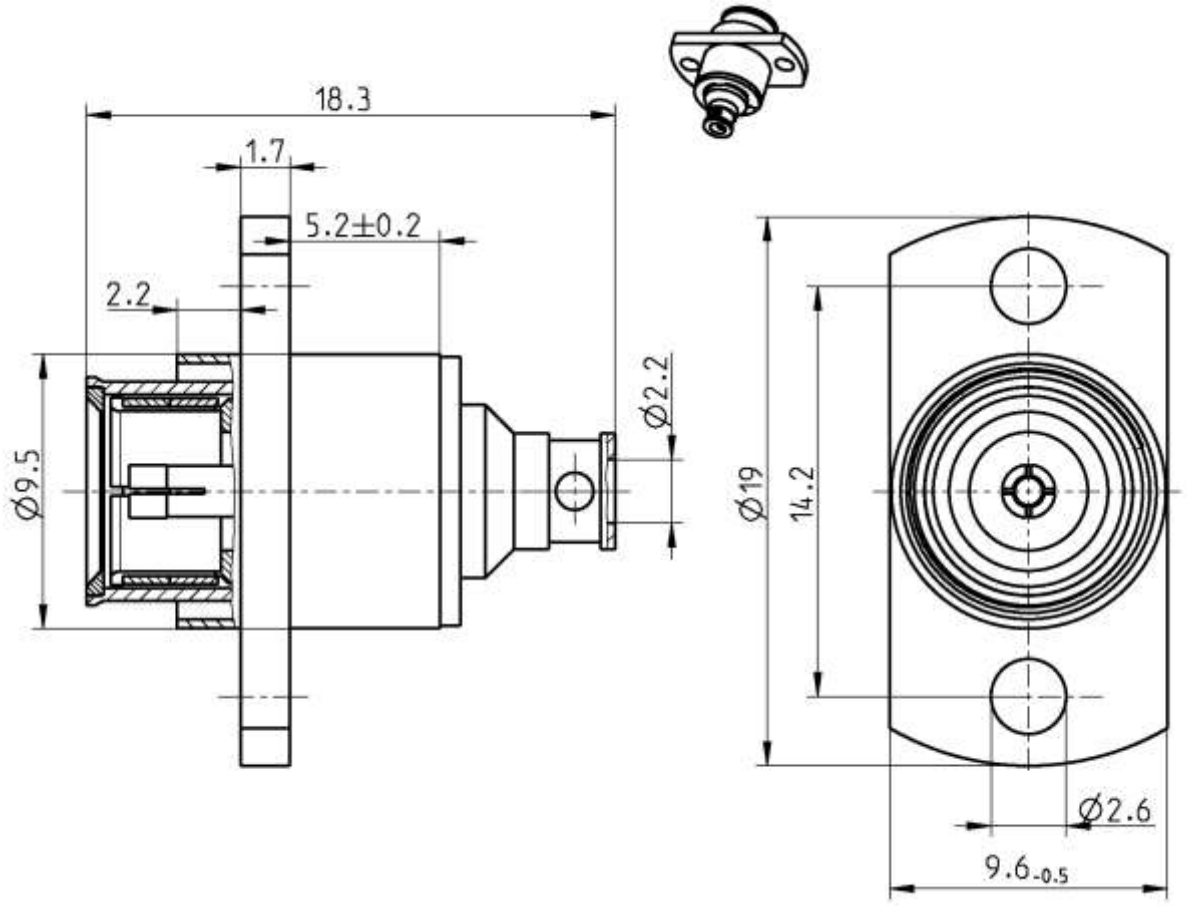
Technical Data Sheet		Rosenberger
RPC-SP	Panel jack floating	**10K762-271N3**



All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to	MIL-STD 348A and IEC 61169-33
Mechanically compatible with	OSP and BMA

Documents

Assembly instruction	10 E
Panel piercing	B 100

Material and plating

Connector parts	**Material**	**Plating**
Center contact	CuBe	Gold, min. 1.27 µm, over chemical nickel
Outer contact	Brass	Flash white bronze over silver(e.g. Optargen®)
Body	Brass	Silver, 3-6 µm
Flange	Brass	Flash white bronze over silver(e.g. Optargen®)
Dielectric	PTFE	

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Technical Data Sheet		Rosenberger
RPC-SP	Panel jack floating	**10K762-271N3**

Electrical data

Impedance	50 Ω
Frequency	DC to 22 GHz
Return loss	≥ 21 dB, DC to 22 GHz
Insertion loss	≤ 0.04 x $\sqrt{f(GHz)}$ dB
Insulation resistance	≥ 5 GΩ
Test voltage (at sea level)	1000 V rms
Working voltage (at sea level)	400 V rms
RF-leakage	≥ 85 dB up to 1 GHz

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles	≥ 1000
Center contact captivation	≥ 27 N
Engagement force	≤ 13.5 N
Disengagement force	≥ 2 N
Misalignment	radial 0.55 mm min.
Spring force	min. 5.6 N at rest max. 19 N at max. spring travel
Spring travel	2.6 mm max.

Environmental data

Temperature range	-40°C to +85°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition D
Shock	MIL-STD-202, Method 213, Condition I
Moisture resistance	MIL-STD-202, Method 106
RoHS	compliant

Tooling

N/A

Suitable cables

UT 085 / RTK-FS 085 / RTK-Flex 405

Weight

5.1 g/pcs

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Approved	Date
H. Babinger	17.09.04	F. Reiner	16.07.18

Rev.	Engineering change number	Name	Date
c00	18-1258	A. Plötz	31.07.18

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