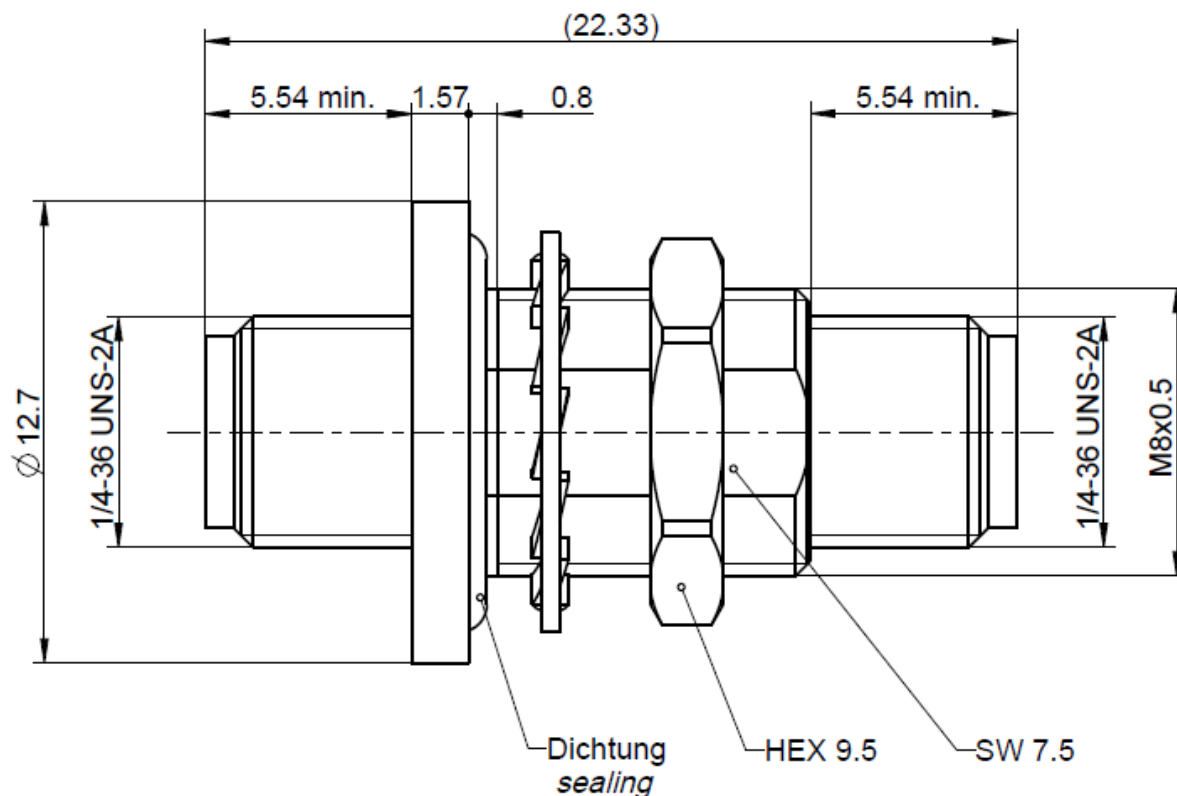




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to
Mechanically compatible with

IEC 61169-35
RPC-3.50 and SMA

Documents

Panel piercing

B 58

Material and plating

Connector parts

Center contact
Outer contact
Body
Dielectric
Hermetic bead
Gasket
Hexagon nut
Tooth lock washer

Material

CuBe
Stainless steel
CuBe or equiv.
PS
Glass
Silicone
CuBe or equiv.
Tin bronze

Plating

AuroDur®, gold plated
Passivated
Gold, min. 0.15 μm , over chemical nickel
Gold, 0.1 μm min.
Gold, 0.1 μm min.

Technical Data Sheet

Rosenberger

RPC-2.92

Panel Adaptor
Hermetic Sealed

02K641-KH0S3

Electrical data

Impedance	50 Ω
Frequency	DC to 40 GHz
Return loss	≥ 14 dB, DC to 40 GHz
Insertion loss	≤ 0.04 x $\sqrt{f(\text{GHz})}$ dB
Insulation resistance	≥ 5 GΩ
Proof voltage (at sea level)	750 V rms
Working voltage (at sea level)	250 V rms
RF-leakage	≥ 100 dB up to 1 GHz

Mechanical data

Mating cycles	≥ 500
Center contact captivation: axial	≥ 20 N
Coupling torque recommended	0.80 Nm to 1.10 Nm
Recommended torque for hexagon nut	2.5 Nm

Environmental data

Temperature range	-40 °C to +85 °C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. D
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture resistance	MIL-STD-202, Meth. 106
Hermeticity	≤ 10 ⁻⁶ mbar x l/s
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

7.4 g/pce

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.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
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