



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

Interface

According to
Mechanically compatible with
SMP according to

IEC 61169-35
RPC-3.50 and SMA
MIL-STD-348

Documents

N/A

Material and plating

Connector parts

Center contact
Outer contact RPC-2.92
Outer contact SMP
Dielectric

Material

CuBe
Stainless steel
CuBe
PEEK

Plating

Gold, min. 1.27 µm, over chemical nickel
Passivated
Gold, min. 1.27 µm, over chemical nickel

Adaptor
RPC-2.92 Jack – SMP Jack

02K119-K00E3

Electrical data

Impedance	50 Ω
Frequency	DC to 40 GHz
Return loss	≥ 32 dB, DC GHz to 12 GHz ≥ 26 dB, 12 GHz to 26.5 GHz ≥ 21 dB, 26.5 GHz to 40 GHz
Insertion loss	≤ 0.05 x √f(GHz)dB
Insulation resistance	≥ 5 GΩ
Proof voltage (at sea level)	500 V rms
Working voltage (at sea level)	250 V rms

Mechanical data

Mating cycles RPC-2.92	≥ 500
Mating cycles SMP	
if mating part is Smooth bore, Catcher's Mitt	≥ 1000
if mating part is Limited detent	≥ 500
if mating part is Full detent	≥ 100
Center contact captivation	≥ 20 N
Coupling test torque RPC-2.92	1.70 Nm
Coupling torque recommended RPC-2.92	0.80 Nm to 1.10 Nm
Engagement force SMP	
- Smooth Bore, Catcher's Mitt	≤ 9 N
- Limited detent	≤ 45 N
- Full detent	≤ 68 N
Disengagement force SMP	
- Smooth Bore, Catcher's Mitt	≥ 2.2 N
- Limited detent	≥ 9 N
- Full detent	≥ 22 N

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
RoHS	compliant

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Technical Data Sheet

Rosenberger

Adaptor
RPC-2.92 Jack – SMP Jack

02K119-K00E3

Tooling

N/A

Suitable cables

N/A

Weight

9.2 g/pce

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



Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Herbert Babinger	06.12.04	F. Reiner	27.10.22	e00	22-1915	T. Börgerding	03.11.22

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