



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

**Interface**

According to  
RPC-N according to

Rosenberger SnapN  
IEC 60169-16 ; CECC 22 210 ; MIL-STD 348A/304

**Documents**

N/A

**Material and plating**

**Connector parts**

- Center contact
- Outer contact RPC-N
- Outer contact SnapN
- Coupling nut RPC-N
- Detent spring SnapN
- Latching sleeve SnapN
- Dielectric RPC-N
- Dielectric SnapN

**Material**

- Beryllium copper
- Stainless steel
- Brass
- Stainless steel
- Spring bronze
- Brass
- PPE
- PTFE

**Plating**

- Gold, min. 1.27 µm, over chemical nickel
- Passivated
- White bronze(e.g. Optalloy®)
- Passivated
- White bronze(e.g. Optalloy®)
- White bronze(e.g. Optalloy®)

**Electrical data**

Impedance	50 Ω
Frequency	DC to 11 GHz
Return loss	≥ 26 dB, DC to 11 GHz
Insertion loss	≤ 0.05 dB x √ f [GHz] dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 1 mΩ
Outer contact resistance	≤ 1 mΩ
Test voltage (at sea level)	2500 V rms
Working voltage (at sea level)	500 V rms
RF-leakage	≥ 90 dB @ DC to 1 GHz

**Mechanical data**

Mating cycles RPC-N	≥ 500
Mating cycles SnapN	≥ 200
Center contact captivation	≥ 28 N
Coupling test torque RPC-N	1.70 Nm
Recommended torque RPC-N	0.70 Nm to 1.10 Nm
Engagement force SnapN	30 N typical
Disengagement force SnapN	30 N typical

Please always use the latching sleeve for locking and unlocking units

**Environmental data**

Temperature range	-40°C to +85°C
Thermal shock	IEC 61169-1, Subclause 9.4.4
Corrosion	IEC 61169-1, Subclause 9.4.6
Vibration	IEC 61169-1, Subclause 9.3.3
Shock	IEC 61169-1, Subclause 9.3.14
Moisture resistance	IEC 61169-1, Subclause 9.4.3
RoHS	compliant

**Tooling**

N/A

**Suitable cables**

N/A

**Weight**

Weight	65.8 g/pce
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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	Rev.	Engineering change number	Name	Date
Herbert Babinger	02/08/06	J_Gramsamer	31.03.15	b00	15-0397	J_Krautenbacher	31.03.15

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