



All dimensions are in mm; tolerances acc. ISO 2768 m-H

**Interface**

Long-wipe side:

Related to  
According to

MIL-STD-348

Rosenberger Longwipe SMP 17K000-000

SMA side:  
According to

IEC 60169-15; EN 122110; MIL-STD-348

**Documents**

N/A

**Material and plating**

**Connector parts**

- Center contact
- Outer contact Long-wipe SMP side
- Outer contact SMA side
- Dielectric

**Material**

- CuBe
- CuBe
- Stainless steel
- PTFE

**Plating**

- AuroDur®, gold plated
- AuroDur®, gold plated
- Passivated

**Electrical data**

Impedance	50 Ω	
Frequency	DC to 6 GHz	
Return loss	≥ 35 dB @ DC to 3 GHz	
	≥ 26 dB @ 3 GHz to 6 GHz	
Insertion loss	≤ 0.05 x √f [GHz] dB	
Insulation resistance	≥ 5 GΩ	
Center contact resistance	≤ 6 mΩ, Long-wipe side;	≤ 3 mΩ, SMA side
Outer contact resistance	≤ 2 mΩ, Long-wipe side;	≤ 2 mΩ, SMA side
Test voltage (at sea level)	500 V rms	
Working voltage (at sea level)	335 V rms	

**Mechanical data**

	Long-wipe SMP side	SMA side
Mating cycles		≥ 500
if mating part is Smooth bore	≥ 1000	
if mating part is Limited detent	≥ 500	
if mating part is Full detent	≥ 100	
Center contact captivation	≥ 27 N	≥ 27 N
Engagement force		N/A
- Smooth bore	≤ 9 N	
- Limited detent	≤ 45 N	
- Full detent	≤ 68 N	
Disengagement force		N/A
- Smooth bore	≥ 2.2 N	
- Limited detent	≥ 9 N	
- Full detent	≥ 22 N	

**Environmental data**

Temperature range	-65 °C to +155 °C
Rapid change of temperature (related to SMP)	IEC 60068-2-14 (-65°C to 155°C, 1h dwell, 50 cycles)
Vibration (related to SMP)	MIL-STD-202, Method 204, Condition B
Shock (related to SMP)	MIL-STD-202, Method 213, Condition A
Damp heat (related to SMP)	IEC 60068-2-78 (40°C, 93% RH, 56d)
High temperature endurance	IEC 60169-1, Sub-clause 18 (+155°C, 250 hours)
RoHS	compliant

**Tooling**

N/A

**Suitable cables**

N/A

**Weight**

Weight 4.6 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.



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RF\_35/05.10/6.0

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
M. Schmid	27/05/11	Chr. Janßen	14.10.20	c00	20-1927	S. Huber-Siegl	14.10.20

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