



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

**Interface**

According to IEC 60169-10, CECC 22130, MIL-PRF-39012

**Documents**

Assembly instruction 59 G2

**Material and plating**

**Connector parts**

Center contact	Material	CuBe
Outer contact		CuBe
Dielectric		PTFE
Crimping ferrule		Copper

**Plating**

AuroDur®, gold plated  
 AuroDur®, gold plated  
 Gold, 0.1 µm min.

**Electrical data**

Impedance	50 Ω
Frequency	DC to 4 GHz
Return loss	≥ 25 dB, DC to 1 GHz ≥ 20 dB, 1 to 3 GHz ≥ 18 dB, 3 to 4 GHz
Insertion loss	≤ 0.1 x √f(GHz) dB
Insulation resistance	≥ 1x10 <sup>3</sup> MΩ
Center contact resistance	≤ 5 mΩ
Outer contact resistance	≤ 2.5 mΩ
Test voltage	750 V rms, 50 Hz, at sea level
Working voltage	≤ 250 V rms, 50 Hz, at sea level
Contact current	1.5 A DC typ.
RF-leakage	≥ 55 dB up to 1 GHz

- Limitations are possible due to the used cable type -

**Mechanical data**

Mating cycles	≥ 500
Center contact captivation: axial	≥ 10 N
Engagement force	≤ 63 N
Disengagement force	8 N min. to 63 N max.

**Environmental data**

Temperature range	-55°C to +155°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Moisture resistance	MIL-STD-202, Meth. 106
RoHS	compliant

**Tooling**

Crimping tool	11W150-000
Crimp insert	11W150-402

**Suitable cables**

RG 196 A/U, RG 178 B/U

**Weight**

Weight	2.3 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.

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



Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
König A.	12.10.06	Chr. Janßen	03.02.21	d00	20-1927	S. Huber-Siegl	03.02.21
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany <a href="http://www.rosenberger.com">www.rosenberger.com</a>				Tel. : +49 8684 18-0 Email : <a href="mailto:info@rosenberger.com">info@rosenberger.com</a>			Page 2 / 2

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