



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

Interface

According to IEC 60169-9, CECC 22140, US MIL-C-39012

Documents

Assembly instruction 59 K5
 Panel piercing B 22

Material and plating

Connector parts

Center contact
 Outer contact
 Body
 Dielectric
 Coupling nut

Material

Brass
 Brass
 Brass
 PTFE
 Brass

Plating

AuroDur®, gold plated
 AuroDur®, gold plated
 Gold, min. 0.8 μm , over nickel
 Gold, 0.1 μm

Electrical data

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss	≥ 25 dB, DC to 1 GHz ≥ 18 dB, 1 to 3 GHz ≥ 17 dB, 3 to 6 GHz
Insertion loss	≤ 0.1 x √f(GHz) dB
Insulation resistance	≥ 1x10 ³ 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
RF-leakage	≥ 90 dB up to 1 GHz

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles	min. 500
Coupling test torque	max. 0.71 Nm
Recommended torque	0.25 Nm to 0.35 Nm
Center contact captivation: axial	≥ 10 N

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. D
Moisture resistance	MIL-STD-202, Meth. 106
Corrosion	MIL-STD-202, Meth. 101, Cond B
RoHS	compliant

Tooling

N/A

Suitable cables

UT 85, RG 405

Weight

Weight 1.5 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.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Inge Mühlauer	21/12/04	Sa. Krautenbacher	17.03.14	f00	14-0352	T. Krojer	17.03.14
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de					Tel.: +49 8684 18-0 Fax: +49 8684 18-499 email: info@rosenberger.de		Page 2 / 2