



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

Interface

According to IEC 60169-15, EN 122110, MIL-STD-348A, Fig. 310

Documents

Assembly instruction 32 B9

Material and plating

Connector parts

Center contact
Outer contact
Body
Dielectric
Gasket
Coupling nut
Crimping ferrule

Material

Brass
CuBe or equiv.
Brass
PTFE
Silicone
CuBe or equiv.
Copper

Plating

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

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Electrical data

Impedance	50 Ω
Frequency	DC to 12.4 GHz
VSWR	≤ 1.03, DC to 1 GHz
	≤ 1.05, 1 to 2.5 GHz
	≤ 1.20, 2.5 to 5 GHz
Insertion loss	≤ 0.04 x √f(GHz) dB, DC to 5 GHz
Insulation resistance	≥ 5 x10 ³ MΩ
Center contact resistance	≤ 3 mΩ
Outer contact resistance	≤ 2 mΩ
Test voltage	1000 V rms
Working voltage	480 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	≤ 200 W @ 2 GHz
RF-leakage	≥ 100 dB up to 1 GHz

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles	min. 500
Coupling nut retention	≥ 270 N
Center contact captivation: axial	≥ 20 N
Coupling test torque	max. 1.7 Nm
Recommended torque	0.8 Nm to 1.1 Nm

Environmental data

Temperature range	-65°C to +165°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

Tooling

Crimping tool	11W150-000
Crimp insert	11W150-108

Suitable cables

RG 142 B/U ; RG 223 /U ; RG 400 /U

Weight

Weight	5.5 g/pce
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For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



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Rong Fang	15.03.04	Chr. Janßen	18.11.20	h00	20-1927	S. Huber-Siegl	18.11.20
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de						Tel. : +49 8684 18-0 Email : info@rosenberger.de	
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