



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

**Interface**

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

**Documents**

Assembly instruction 32 B6

**Material and plating**

**Connector parts**

Connector parts	Material
Center contact	Brass
Outer contact	CuBe or equivalent
Body	Brass
Dielectric	PTFE
Gasket	Silicone
Coupling nut	CuBe or equivalent
Crimping ferrule	Copper

**Plating**

Center contact	AuroDur®, gold plated
Outer contact	AuroDur®, gold plated
Coupling nut	AuroDur®, gold plated
Crimping ferrule	Gold, 0.1 µm
Body	AuroDur®, gold plated

**Electrical data**

Impedance	50 Ω
Frequency	DC to 12.4 GHz
VSWR	≤ 1.05 + 0.01 x f [GHz], DC to 5 GHz
Insertion loss	≤ 0.04 x √f(GHz) dB, DC to 5 GHz
Insulation resistance	≥ 5 x10 <sup>3</sup> 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	11W150-102

**Suitable cables**

TZC 502 2101, RG 316 /U-d, K 02252 D

**Weight**

Weight	4.70 g/pce
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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Rong Fang	15/03/04	J_Krautenbacher	21.07.16	f00	15-1629	I_Wallner	21.07.16
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany <a href="http://www.rosenberger.de">www.rosenberger.de</a>					Tel.: +49 8684 18-0 email: <a href="mailto:info@rosenberger.de">info@rosenberger.de</a>		Page 2 / 2

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