



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	Brass	Plating	AuroDur®, gold plated
Outer contact	CuBe or equiv.		Flash white bronze over silver(e.g. Optargen®)
Body	Brass		Flash white bronze over silver(e.g. Optargen®)
Dielectric	PTFE		
Gasket	Silicone		
Coupling nut	CuBe or equiv.		White bronze(e.g. Optalloy®)
Crimping ferrule	Copper		White bronze(e.g. Optalloy®)

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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 <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	11W150-108

**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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