



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

**Interface**

Compatible to IEC 61169-8, MIL-PRF-39012, CECC 22120

**Documents**

Assembly instruction 51 T  
Panel piercing B 2

**Material and plating**

**Connector parts**

Connector parts	Material	Plating
Center contact	CuBe	AuroDur®, gold plated
Outer contact	Brass	White bronze(e.g. Optalloy®)
Body	Brass	Flash white bronze over silver(e.g. Optargen®)
Dielectric	PTFE	
Crimping ferrule	Copper	Flash white bronze over silver(e.g. Optargen®)

**Electrical data**

Impedance	75 Ω
Frequency	DC to 4 GHz
Return loss	≥ 30 dB @ DC to 1 GHz ≥ 23 dB @ 1 GHz to 2 GHz ≥ 18 dB @ 2 GHz to 4 GHz
Insertion loss	≤ 0.05 x √ f [GHz] dB @ DC to 4 GHz
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 1.5 mΩ
Outer contact resistance	≤ 1 mΩ
Test voltage (at sea level)	1500 V rms
Working voltage (at sea level)	400 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	80 W @ 2 GHz

- Limitations are possible due to the used cable type

**Mechanical data**

Mating cycles	≥ 500
Center contact captivation: axial	≥ 15 N

**Environmental data**

Temperature range	-65 °C to +165 °C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion resistance	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition G
Moisture resistance	MIL-STD-202, Method 106
RoHS	compliant

**Tooling**

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

**Suitable cables**

RG 179 B/U, RG 187 A/U

**Weight**

Weight	9.3 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
E. Schwangler	08.02.11	Chr. Janßen	08.03.21	c00	20-1927	S. Huber-Siegl	08.03.21

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