



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 P6

**Material and plating**

**Connector parts**

Center contact	Material	Brass	Plating	AuroDur®, gold plated
Outer contact	Material	Brass	Plating	Flash white bronze over silver(e.g. Optargen®)
Body	Material	Brass	Plating	Flash white bronze over silver(e.g. Optargen®)
Dielectric	Material	PTFE		
Gasket	Material	NeopreneCR 50C6		
Crimping ferrule	Material	Copper	Plating	Flash white bronze over silver(e.g. Optargen®)

**Electrical data**

Impedance	75 Ω
Frequency	DC to 4 GHz
Return loss	≥ 35 dB @ DC to 1 GHz ≥ 30 dB @ 1 GHz to 2 GHz ≥ 28 dB @ 2 GHz to 4 GHz
Insertion loss	≤ 0.05 √ f [GHz] dB
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	≥ 27 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	11W150-213

**Suitable cables**

Tella TM 13

**Weight**

Weight	11.9 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
Andreas Fellner	28.09.11	Chr. Janßen	18.03.21	e00	20-1927	S. Huber-Siegl	18.03.21