



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

**Material and plating**

**Connector parts**

- Center contact
- Outer contact
- Body
- Dielectric
- Gasket
- Crimping ferrule

**Material**

- Spring bronze
- Brass
- Brass
- PTFE
- NeopreneCR 50C6
- Copper

**Plating**

- AuroDur®, gold plated
- Flash white bronze over silver(e.g. Optargen®)
- Flash white bronze over silver(e.g. Optargen®)
- Flash white bronze over silver(e.g. Optargen®)

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RFB00035/12.20/6.4

**Electrical data**

Impedance	75 Ω
Frequency	DC to 4 GHz
Return loss	≥ 32 dB, DC to 1 GHz ≥ 25 dB, 1 to 2 GHz ≥ 18 dB, 2 to 4 GHz
Insertion loss	≤ 0.05 x √ f [GHz] dB
Insulation resistance	≥ 5 x 10 <sup>3</sup> MΩ
Center contact resistance	≤ 1.5 mΩ
Outer contact resistance	≤ 1 mΩ
Test voltage	1500 V rms
Working voltage	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	min. 500
Center contact captivation: axial	≥ 27 N

**Environmental data**

Temperature range	-45°C to +85°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. B
Shock	MIL-STD-202, Meth. 213, Cond. G
Moisture resistance	MIL-STD-202, Meth. 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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For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Inge Mühlauer	16.07.08	Chr. Janßen	18.03.21	c00	20-1927	S. Huber-Siegl	18.03.21

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