



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

Interface

According to DIN EN 61169-8

Documents

Assembly instruction 51 T

Material and plating

Connector parts

Center contact	Material: Spring bronze	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®)

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RFB00035/12.20/6.4

Electrical data

Impedance	50 Ω
Frequency	DC to 10 GHz
Return loss	≥ 28 dB, DC to 1 GHz ≥ 25 dB, 1 to 2 GHz ≥ 20 dB, 2 to 10 GHz
Insertion loss	≤ 0.05 x √ f [GHz] dB
Insulation resistance	≥ 5 x 10 ³ 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	≥ 500
Center contact captivation: axial	≥ 15 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 316 /U-d, K02252d

Weight

Weight	10.1 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
Chr. Entsfellner	17.07.08	Chr. Janßen	17.12.20	f00	20-1927	S. Huber-Siegl	17.12.20

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