



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

Interface

According to

IEC 61169-16, MIL-PRF-39012, CECC 22210

Documents

Assembly instruction

51 P10

Material and plating

Connector parts

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

Material

- Brass
- Brass
- Brass
- PTFE
- Silicone
- 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®)

Electrical data

Impedance	50 Ω
Frequency	DC to 11 GHz
Return loss	≥ 32 dB, DC to 2.5 GHz
	≥ 25 dB, 2.5 to 4 GHz
	≥ 20 dB, 4 to 11 GHz
Insertion loss	≤ 0.05 dB
Insulation resistance	≥ 5 x10 ³ MΩ
Center contact resistance	≤ 1 mΩ
Outer contact resistance	≤ 0.25 mΩ
Working voltage	500 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	1000 W @ 1 GHz
	700 W @ 2 GHz
RF-leakage	≥ 128 dB up to 1 GHz

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles	min. 500
Coupling nut retention	≥ 450 N
Center contact captivation: axial	≥ 28 N
radial	≥ 3 Ncm
Coupling test torque	max. 1.7 Nm
Recommended torque	0.7 Nm to 1.1 Nm

Environmental data

Temperature range	-55°C to +155°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. I
Moisture resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Tooling

Crimping tool	11W150-000
Crimp insert	11W150-208

Suitable cables

RG 142 B/U, RG 223 /U, RG 400 /U

Weight

Weight	24.2 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	20.11.07	Chr. Janßen	26.01.21	d00	20-1927	S. Huber-Siegl	26.01.21
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.com						Tel. : +49 8684 18-0 Email : info@rosenberger.com	
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