



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

Interface

According to IEC 60498, MIL-STD-348A, Fig. 314, NIM ND-545

Documents

Assembly instruction 57 B

Material and plating

Connector parts

	Material	Plating
Center contact	Beryllium copper	Gold, min. 1.27 µm, over nickel
Outer contact	Beryllium copper	Flash white bronze over silver(e.g. Optargen®)
Body	Brass	Flash white bronze over silver(e.g. Optargen®)
Dielectric	PTFE	
Gasket	Silicone	

Electrical data

Impedance	50 Ω
Frequency	DC to 300 MHz
Insulation resistance	≥ 1 x 10 ⁶ MΩ
Center contact resistance	≤ 2 mΩ
Outer contact resistance	≤ 1.5 mΩ
Test voltage (at sea level)	min. 5,000 V rms min. 10,000 Vdc
Working voltage (at sea level)	max. 3,500 V rms max. 5,000 V DC
Operating currents	max. 500 mA average max. 10 A peak

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles	min. 500
Coupling nut retention	≥ 450 N

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. A
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture resistance	MIL-STD-202, Meth. 106

Tooling

Crimping tool	11W150-000
Crimp insert	11W150-106

Suitable cables

RG 58 C/U, RG 141/U

Packing

Standard	1 pce in bag
Weight	20.4 g/pce

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.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Rong Fang	29/04/05	Chr. Entfellner	14/11/05	b00	05-0412	Krautenb. J.	14/11/05
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de					Tel.: +49 8684 18-0 Fax: +49 8684 18-499 email: info@rosenberger.de		Page 2 / 2