



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

Interface

According to IEC 61169-4, EN 122190, DIN 47223

Documents

Panel piercing B 75

Material and plating

Connector parts

Center contact female side
Center contact male side
Outer contact
Body
Dielectric
Gasket

Material

Spring bronze
Brass
Brass
Brass
PTFE
Silicone

Plating

Silver, 3-6 µm
Silver, 3-6 µm
Flash white bronze over silver(e.g. Optargen®)
Flash white bronze over silver(e.g. Optargen®)

Electrical data

Impedance	50 Ω
Operating frequency	698 to 2700 MHz
Return Loss	≥ 26 dB
Insertion Loss	≤ 0.1 dB
Center contact resistance	< 0.4 mΩ
Outer contact resistance	< 1.5 mΩ
RF-leakage	< -128 dB @1 GHz
Intermodulation (3 rd Order)	< -115 dBm @ 2 x 20 W
Power handling (at 20 °C, sea level, VSWR 1.0)	1500W
DC pass	-
AISG	-
Nominal impulse discharge current	25 kA (8/20 μs)
Residual voltage	< 130 V (20kA, 8/20 μs) < 15 V (4kV 1.2/50μs, 2kA 8/20 μs)
Residual energy	< 25 μJ (4kV 1.2/50μs, 2kA 8/20 μs)

Mechanical data

Mating cycles	min. 500
Coupling nut retention	≥ 1000 N
Center contact captivation: axial	≥ 200 N
radial	≥ 2 Ncm
Coupling torque (recommended)	25 to 30 Nm
Proof torque	max. 35 Nm

Environmental data

Temperature range	-45°C to +85°C
Rapid change of temperature	IEC 60068-2-14 Test Na
Corrosion salt mist	IEC 60068-2-11 Test Ka
Vibration	IEC 60068-2-6 Test Fc
Shock	IEC 60068-2-27 Test Ea
Climatic class	IEC 60068-1 (45/85/56)
Cold	IEC 60068-2-1 Test A
Dry heat	IEC 60068-2-2 Test B
Damp heat (steady state)	IEC 60068-2-3 Test Ca
Degree of protection (mated pair)	IEC 60529, IP68 2.5 bar, mated condition
RoHS	compliant

Weight

Weight	424 g
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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.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Hauke Schütt	03/03/10	Sa. Krautenbacher	20.03.14	b00	14-0352	T. Krojer	20.03.14
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