



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

**Interface**

According to IEC 60169-4, VG 95250, EN 122190, DIN 47223

**Documents**

Panel piercing B 75  
Assembly instruction 60 X02

**Material and plating**

**Connector parts**

Center contact  
Outer contact  
Body  
Dielectric  
Gasket

**Material**

Spring bronze  
Brass  
Brass  
PTFE  
Silicone

**Plating**

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	800 to 2500 MHz
Return Loss	≥ 26 dB, 800 to 960 MHz ≥ 21 dB, 960 to 1700 MHz ≥ 26 dB, 1700 to 2400 MHz ≥ 23 dB, 2400 to 2500 MHz
Insertion Loss	≤ 0.1 dB
Center contact resistance	< 0.4 mΩ
Outer contact resistance	< 1.5 mΩ
Power handling (at 20 °C, sea level, VSWR 1.0)	1.8 KW @ 1 GHz
RF-leakage	≥ 128 dB @ 1 GHz
Intermodulation (3 <sup>rd</sup> Order)	< -115 dBm @ 2 x 20 W
Nominal impulse discharge current	mult. 40 kA, Wave 10/350 μS mult. 100 kA, Wave 8/20 μS
Residual voltage	< 110 V @ 20 kA, Wave 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	506 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.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
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