



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

Interface

According to

IEC 60169-11, DIN 47231

Documents

Assembly instruction

60S20

Panel piercing

B 12b

Material and plating

Connector parts

- Center contact
- Outer contact
- Dielectric
- Gasket

Material

- Spring bronze
- Brass
- PTFE
- Silicone

Plating

- Silver, 3-6 μm
- White bronze(e.g. Optalloy®)

Electrical data

Impedance	50 Ω
Frequency	DC to 14 GHz
Return loss	≥ 36 dB @ DC to 2.7 GHz ≥ 33 dB @ 2.7 GHz to 4 GHz ≥ 30 dB @ 4 GHz to 6 GHz
Insertion loss	≤ 0.1 x √f [GHz] dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 1 mΩ
Outer contact resistance	≤ 0.1 mΩ
Test voltage (at sea level)	2500 V rms
Working voltage (at sea level)	500 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	1000 W @ 2 GHz
RF-leakage	≥ 114 dB @ DC to 1 GHz
Intermodulation (3 rd order)	≥ 160 dBc (2 x 43 dBm)

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles	≥ 500
Center contact captivation: axial	≥ 80 N
Coupling torque (recommended)	10 Nm
Proof torque	15 Nm

Environmental data

Temperature range	-40 °C to +85 °C
Climatic category	IEC 60068-1 (40/85/21)
Dry Heat	IEC 60169-1, Sub-clause 16.2.1
Damp Heat (steady state)	IEC 60169-1, Sub-clause 16.2.2
Cold	IEC 60169-1, Sub-clause 16.2.3
Rapid change of temperature	IEC 60169-1, Sub-clause 16.4
Corrosion resistance	IEC 60169-1, Sub-clause 16.7
Vibration	IEC 60169-1, Sub-clause 15.2.2
Degree of protection (mated pair)	IEC 60529, IP67
RoHS	compliant

Suitable cables

UT 141, RG 402 /U, RTK-FS 141

Weight

Weight 31.60 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
Huppenberger	06/02/13	J_Gramsamer	30.03.15	d00	15-0397	J_Krautenbacher	30.03.15

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