



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

Interface

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

Documents

N/A

Material and plating

Connector parts

Center contact plug side
Center contact jack side
Outer contact
Body
Dielectric
Gasket

Material

Brass
Spring bronze
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®)

7-16

Adaptor
Plug – Jack

60S231-K00N1

Electrical data

Impedance 50 Ω
 Frequency DC to 7.5 GHz
 Return loss ≥ 33 dB, DC to 2.5 GHz
 ≥ 30 dB, 2.5 to 4 GHz
 Insertion loss ≤ 0.05 dB
 Insulation resistance ≥ 10⁴ MΩ
 Center contact resistance ≤ 0.4 mΩ
 Outer contact resistance ≤ 1.5 mΩ
 Working voltage (at sea level) 500 V rms, 50 Hz
 Power handling (at 20 °C, sea level, VSWR 1.0) 1800 W @ 1 GHz
 800 W @ 4 GHz
 RF-leakage ≥ 128 dB up to 1 GHz
 Intermodulation (3rd order) ≤ -117 dBm @ 2 x 20 W

Mechanical data

Mating cycles min. 500
 Coupling nut retention ≥ 1000 N
 Center contact captivation: axial ≥ 200 N
 radial ≥ 30 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 DIN EN 122190, clause 4.6.7
 Corrosion salt mist DIN EN 122190, clause 4.6.10
 Vibration DIN EN 122190, clause 4.6.3
 Damp heat DIN EN 122190, clause 4.6.6
 Climatic tests DIN EN 122190, clause 4.6.5 (45/85/56)
 RoHS compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight 280 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.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Inge Mühlauer	06.07.04	Chr. Janßen	02.03.21	g00	20-1927	S. Huber-Siegl	02.03.21

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