



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

Interface

According to IEC 60169-17, MIL-PRF-39012, DIN EN 122200

Documents

Assembly instruction 51 E

Material and plating

Connector parts

- Center contact
- Outer contact
- Body
- Dielectric
- Gasket
- Gasket

Material

- Brass
- Brass
- Brass
- PTFE
- NeopreneCR 50C6
- Silicone

Plating

- AuroDur®, gold plated
- Flash white bronze over silver(e.g. Optargen®)
- Flash white bronze over silver(e.g. Optargen®)

Electrical data

Impedance	50 Ω
Frequency	DC to 10 GHz
Return loss	≥ 35 dB @ DC to 2 GHz ≥ 28 dB @ 2 GHz to 3 GHz ≥ 20 dB @ 3 GHz to 4 GHz
Insertion loss	≤ 0.05 x √ f [GHz] dB, DC to 4 GHz
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 1.5 mΩ
Outer contact resistance	≤ 1 mΩ
Test voltage (at sea level)	1500 V rms
Working voltage (at sea level)	500 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	80 W @ 2 GHz

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles	≥ 500
Center contact captivation: axial	≥ 15 N
Coupling test torque	≤ 1.7 Nm
Recommended torque	0.46 Nm to 0.69 Nm

Environmental data

Temperature range	-65 °C to +165 °C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition G
Moisture resistance	MIL-STD-202, Method 106
Degree of protection (mated pair)	IEC 60529, IP 63
RoHS	compliant

Tooling

N/A

Suitable cables

RG 58 C/U, RG 141 /U

Weight

Weight 20.2 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	10.08.04	Chr. Janßen	01.02.21	e00	20-1927	S. Huber-Siegl	01.02.21

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