



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

Interface

According to IEC 61169-50

Documents

N/A

Material and plating

Connector parts

Center contact
Outer contact
Dielectric

Material

CuBe
Brass
PTFE

Plating

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

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Electrical data

Impedance	50 Ω
Frequency	DC to 18 GHz
Return loss	≥ 30 dB, DC to 3 GHz ≥ 24 dB, 3 to 6 GHz
Insertion loss	≤ 0.05 x √f(GHz) dB, DC to 6 GHz
Insulation resistance	≥ 5 x10 ³ MΩ
Center contact resistance	≤ 3 mΩ
Outer contact resistance	≤ 2.5 mΩ
Test voltage, at sea level, 50Hz	1000 V rms
Working voltage, at sea level, 50Hz	480 V rms
RF-leakage	≥ 95 dB up to 2 GHz ≥ 80 dB up to 4 GHz ≥ 70 dB up to 6 GHz

Mechanical data

Mating cycles	min. 100
Center contact captivation: axial	≥ 20 N
radial	≥ 1 Ncm
Engagement force	typ. 25 N
Disengagement force	typ. 20 N
Retention force for interface	60 N min.

Environmental data

Temperature range	-40°C to +125°C
Storage temperature	-40°C to +125°C
Thermal shock	IEC 60169-1 16.4 (-40 / +85°C)
Corrosion	IEC 60169-1 16.7 (48 hrs)
Vibration	IEC 60068-2-64 random
Damp heat, steady state	IEC 60169-1 16.3 (96 hrs)
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight	2.4 g/pce
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For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



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