



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

Interface

According to N/A

Documents

Assembly instruction 16 A

Material and plating

Connector parts

Center contact
Outer contact
Dielectric

Material

Brass
Beryllium copper
PTFE

Plating

Gold, min. 0.15 µm, over chemical nickel
Gold, min. 0.15 µm, over chemical nickel

Electrical data

Impedance	50 Ω
Frequency	DC to 10 GHz
Return loss	≥ 23 dB, DC to 5 GHz ≥ 20 dB, 5 to 10 GHz
Insertion loss	≤ 0.1 dB x √f [GHz]
Insulation resistance	≥ 5 x10 ³ MΩ
Center contact resistance	≤ 6 mΩ
Outer contact resistance	≤ 2 mΩ
Test voltage	500 V rms
Working voltage	335 V rms
RF-leakage	≤ -80 dB up to 3 GHz ≤ -65 dB up to 10 GHz
Contact current	1.2 A DC max.

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles	min. 100
Engagement force	Smooth bore 9 N max. Limited detent 45 N max. Full detent 68 N max.
Disengagement force	Smooth bore 2.2 N min. Limited detent 9 N min. Full detent 22 N min.

Environmental data

Temperature range	-40 °C to +105 °C
Rapid change of temperature	IEC 60169-1 clause 16.4 (-40 °C to +105 °C)
Mixed flowing gas	DIN EN 60068-2-60 meth. 4 (10 d)
Vibration	IEC 61169-1 clause 9.3.3 (10-2000 Hz; 15 g)
Shock	IEC 60169-1 clause 15.8 (50g 11 ms half-sine)
Damp heat	IEC 60169-1 clause 16.3 (+40 °C 56 d)
2002/95/EC (RoHS)	compliant

Suitable cables

UT 47

Weight

Weight 0.36 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
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