



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

**Interface**

According to IEC 61169-50

**Documents**

Assembly instruction 28 A  
 Panel piercing B 57

**Material and plating**

**Connector parts**

Center contact	CuBe
Outer contact	Brass
Body	Brass
Dielectric	PTFE
Gasket	Silicone

**Plating**

AuroDur®, gold plated  
 AuroDur®, gold plated  
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**Electrical data**

Impedance	50 Ω
Frequency	DC to 18 GHz
Return loss	≥ 32 dB, DC to 3 GHz ≥ 25 dB, 3 to 6 GHz
Insertion loss	≤ 0.05 x √f(GHz) dB, DC to 6 GHz
Insulation resistance	≥ 5 x10 <sup>3</sup> 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	250 V rms
RF-leakage	≥ 95 dB up to 2 GHz ≥ 80 dB up to 4 GHz ≥ 70 dB up to 6 GHz
Intermodulation (3 <sup>rd</sup> order)	≤ -120 dBc

- Limitations are possible due to the used cable type -

**Mechanical data**

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

**Environmental data**

Temperature range	-40°C to +85°C
Storage temperature	-40°C to +85°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**

UT 85, RG 405

**Weight**

Weight 4.9 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
König A.	05.10.04	Chr. Janßen	02.11.20	f00	20-1927	S. Huber-Siegl	02.11.20

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