



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

### Interface

According to

DIN 72594-1

### Documents

Assembly instruction

MA\_59V048

PCB layout

MB\_182

Tape & reel packaging

VG118.30000

### Material and plating

#### Connector parts

Center contact  
Outer contact  
Dielectric  
Housing

#### Material

Brass  
Zinc alloy  
PA 6T/66  
PA 6T/66

#### Plating

AuroDur®, gold plated  
Tin, 2 µm min., over Nickel 1 µm min.

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**Electrical data**

Impedance	50 Ω <sup>(b)</sup>
Frequency	DC to 6 GHz
Return loss measured on 50Ω footprint	≥ 23 dB (DC to 2,4 GHz) ≥ 20 dB (2.4 GHz to 4 GHz) ≥ 17 dB (4 GHz to 6 GHz)
Insertion loss	≤ 0.15 x dB
Insulation resistance	≥ 1x10 <sup>3</sup> MΩ
Center contact resistance	≤ 15 mΩ
Outer contact resistance	≤ 5 mΩ
Test voltage	750 V rms
Working voltage	335 V rms
Power current	≤ 1 A DC

- Limitations are possible due to the used cable type -  
- Connector only, VSWR in application depends decisive on PCB layout

**Mechanical data**

Mating cycles	≥ 25
Engagement force	≤ 50 N
Disengagement force	≥ 2 N
Retention force latch	≥ 110 N
Coding efficiency	≥ 40 N

**Environmental data**

Temperature range	-40 °C to +105 °C
Thermal shock	DIN 72594-2 clause 8.2
Temperature and humidity	DIN 72594-2 clause 8.3
Vibration and mechanical shock	DIN 72594-2 clause 8.1
Dry heat	DIN 72594-2 clause 8.4
Soldering profile	acc. to IEC 60068-2-58 group 3&4
RoHS	compliant <sup>(b)</sup>

**Tooling**

N/A

**Suitable cables**

N/A

**Packing**

Standard	300 pcs on tape & reel
Weight	4,00 g/pce

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