



All dimensions are in mm; tolerances according to ISO 2768 m-H  
 Y = Part number has to be accomplished by codification

**Interface**

According to DIN 72594-1

**Documents**

Assembly instruction MA\_59V068

**Material and plating**

**Connector parts**

- Center contact
- Outer contact
- Dielectric
- Crimping ferrule
- Housing
- Sheet metal

**Material**

- Spring bronze
- Brass
- PA 12
- Copper
- PA 6T/66
- Steel

**Plating**

- Gold, min. 0.8 µm, over chemical nickel
- Nickel, 2.5-5 µm
- Nickel, 2.5-5 µm
- Pre - tinned

**Electrical data**

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss	≥ 30 dB, DC to 1 GHz ≥ 24 dB, DC to 3 GHz ≥ 15 dB, DC to 6 GHz
Insertion loss	≤ 0.1 x $\sqrt{f(\text{GHz})}$ dB
Insulation resistance	≥ 1x10 <sup>3</sup> MΩ
Center contact resistance	≤ 5 mΩ
Outer contact resistance	≤ 5 mΩ
Test voltage	750 V rms
Working voltage	335 V rms
Power current	≤ 1 A DC
RF-leakage	≥ 65 dB up to 1 GHz

- Limitations are possible due to the used cable type -

**Mechanical data**

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

**Environmental data**

Temperature range	-40°C to +85°C / 105°C
Thermal shock	DIN 72594-2 clause 6.2
Temperature and humidity	DIN 72594-2 clause 6.3
Vibration and mechanical shock	DIN 72594-2 clause 6.1
Dry heat	DIN 72594-2 clause 6.4
2002/95/EC (RoHS)	compliant

- Limitations are possible due to the used cable type -

**Tooling**

Crimping tool	11W150-000
Crimp insert outer contact	11W150-302
Crimp insert center contact	11W161-800

**Suitable cables**

Cable type	RG 174
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**Packing**

Standard	500 pcs in box
Weight	5.17 g/pce