



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\_59V086

**Material and plating**

**Connector parts**

Center contact  
 Outer contact  
 Dielectric  
 Crimping sleeve

**Material**

Spring bronze  
 Brass  
 PA12-GB30  
 Spring bronze

**Plating**

Gold, min. 0.8 µm, overl nickel  
 Nickel, 2.5-5 µm  
 Tin, 1.5-3 µm



**Electrical data**

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss	TBD
Insertion loss	≤ 0.1 x √f(GHz) dB
Insulation resistance	≥ 1 x10 <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

**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
RoHS	compliant



**Tooling**

Crimping tool	11W 150-000
Crimp insert outer contact	11W 150-101
Crimp tool with insert for the center contact	S951-05 08 33



**Suitable cables**

Cable type	RG 178; RG 196
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**Packing**

Standard	5.000 pcs in box
Weight	1.61 g/pce

**Change history**

Rev.	Date	Change
c00	27.07.16	Change "Brass" to "Spring bronze" and "PA12" to "PA12-GB30" Update Environmental data Complete Tooling numbers

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
T. Höfling	06.03.07	C. Anfang	27.07.16	c00	16-1271	M. Volkmar	27.07.16

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