



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

**Interface**

According to DIN 72594-1

**Documents**

Assembly instruction MA\_59V059

**Material and plating**

**Connector parts**

- Center contact
- Outer contact
- Contact spring
- Dielectric
- Crimping ferrule

**Material**

- Spring bronze
- Brass
- Stainless steel
- PA12-GB30 (f)
- Copper

**Plating**

- Gold, min. 0.8 µm, over nickel
- Nickel, 3-6 µm
- N/A
- Nickel, 2.5-5 µm

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**Electrical data**

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss	≥ 30 dB, DC to 1 GHz ≥ 26 dB, DC to 3 GHz ≥ 20 dB, DC to 6 GHz
Insertion loss	≤ 0.1 x √f(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

**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 (f)
Vibration and mechanical shock	DIN 72594-2 clause 8.1
Dry heat	DIN 72594-2 clause 8.4
RoHS (f)	compliant

- Limitations are possible due to the used cable type -

**Tooling**

Crimping tool	11W150-000
Crimp insert outer contact	11W150-302 ("double crimp") 11W150-402 ("flat crimp")
Crimping tool - Incl. Crimp insert center contact	11W161-800

**Suitable cables**

Cable type	RG 174; RG 316
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**Packing**

Standard	10 / 500 / 5.000 / 20.000 pcs in box; center contact on reel
Weight	1.84 g/pce

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**Change History**

Rev.	Date	Change
f00/f01	14.03.17	-Dielectric material data: Added GB30 to PA12-GB30 according to precise material specification and delivery situation -DIN 72594-2 clause 6... to clause 8... -RoHS from '2002/95/EC (RoHS)' to 'RoHS'
g00	22.05.18	Added part numbers

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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
T. Höfling	12.01.05	A. Godow	22.05.18	g00	18-0880	C. Ostermaier	22.05.18

Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany <a href="http://www.rosenberger.de">www.rosenberger.de</a>	Tel. : +49 8684 18-0 Email : <a href="mailto:info@rosenberger.de">info@rosenberger.de</a>	Page 3 / 3
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