



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

Interface

According to DIN 72594-1

Documents

Assembly instruction MA_59V042

Material and plating

Connector parts

- Center contact
- Center contact 2
- Outer contact
- Dielectric
- Crimping ferrule
- Cover

Material

- Spring bronze
- Brass
- Brass
- PBT
- Copper
- Alpaca

Plating

- Gold, min. 0.8 μm , over chemical nickel
- Gold, min. 0.15 μm , over chemical nickel
- Nickel, 2.5-5 μm
- Nickel, 2.5-5 μm

Electrical data

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss	≥ 26 dB, DC to 1 GHz ≥ 24 dB, DC to 3 GHz ≥ 17 dB, DC to 6 GHz
Insertion loss	≤ 0.1 $\sqrt{f(\text{GHz})}$ dB @ 1 GHz
Insulation resistance	≥ 1x10 ³ 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	min. 25
Engagement force	≤ 25 N
Disengagement force	≥ 2 N

Environmental data

Temperature range	-40°C to +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

- Limitations are possible due to the used cable type -

Tooling

Crimping tool	11W150-000
Crimp insert	11W150-504

Suitable cables

Cable type	RTK 031
------------	---------

Packing

Standard	1000 pcs in box
Weight	2.62 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.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Martin Zebhauser	20/10/04	Martin Zebhauser	21/03/05	c00	04-0130	Schichl Markus	05/03/05
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de						Tel.: +49 8684 18-0 Fax: +49 8684 18-499 email: info@rosenberger.de	
						Page 2 / 2	