



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

Interface

According to

DIN 72594-1, USCAR 17

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
- PA 12
- Copper

Plating

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

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 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	≥ 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	11W150-000
Crimp insert outer contact	11W15B-503
Incl. Crimp insert center contact	11W161-800

Suitable cables

Cable type RG 179 B/U-d , 1.5 DS

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RF_35/05:10/6.0

Technical Data Sheet**Rosenberger**

FAKRA-HF

STRAIGHT JACK

59K130-103A4**Packing**

Standard

10 / 500 / 5.000 / 20.000 pcs in box

Weight

2.0 g/pce

Change History

Rev.	Date	Change
c00	03/04/13	Environmental data specification changed from 6.2 to 8.2, 6.3 to 8.3, 6.1 to 8.1, 6.4 to 8.4 and changed 2002/95/EC (RoHS) to RoHS

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
H. Mühlfellner	08/01/07	R. Bippus	03/04/13	c00	13-0338	M. Müller	03/04/13

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