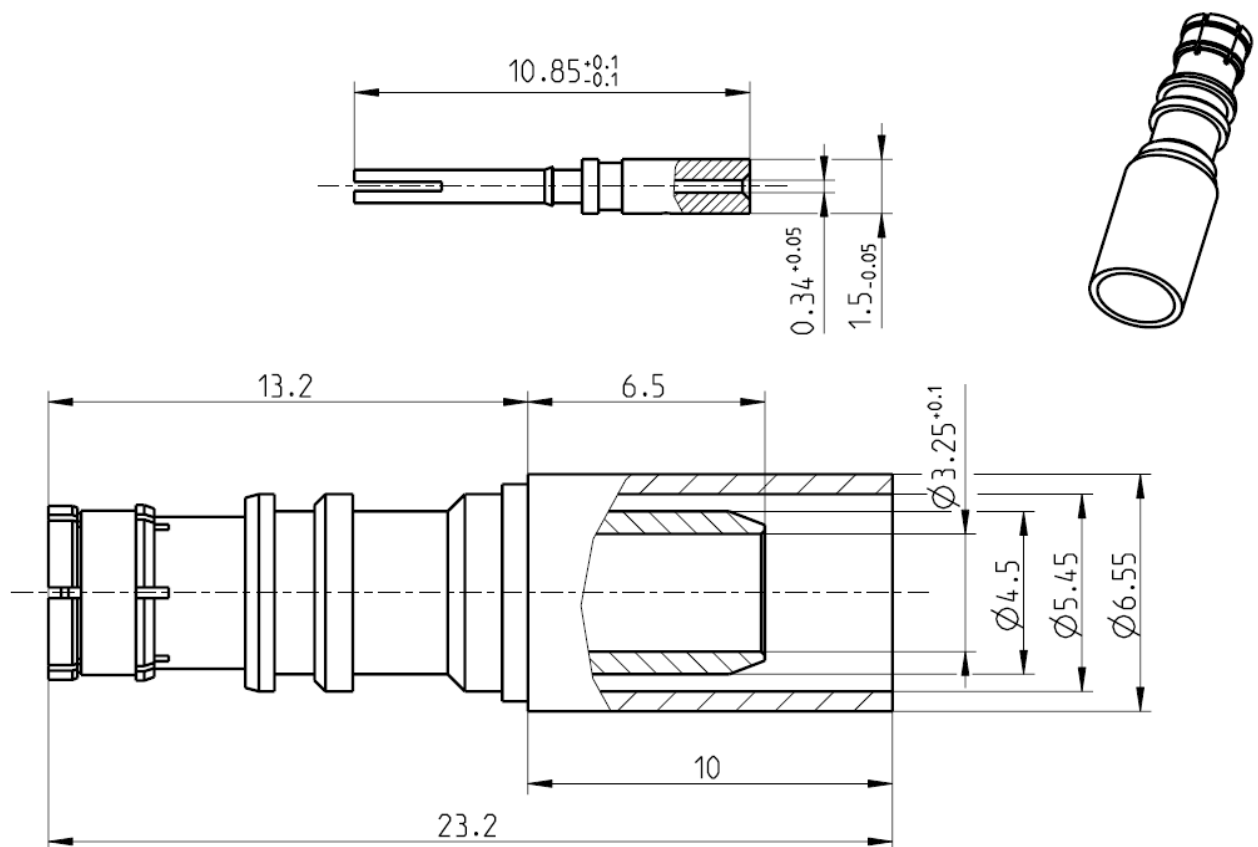




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to DIN 72594-1

Documents

Assembly instruction
MA_59V002

Material and plating

Connector parts

Center contact
Outer contact
Locking ring
Dielectric
Crimping sleeve

Material

Beryllium copper
Brass
Beryllium copper
PTFE
Copper

Plating

Gold, min. 0.8 μm , over chemical nickel
Nickel, 3-6 μm
Nickel, 2.5-5 μm

TECHNICAL DATA SHEET

Rosenberger

FAKRA - HF STRAIGHT JACK

59K17F-1D6A4

Electrical data

Impedance	50 Ω *
Frequency	DC to 1 GHz
Return loss	≥ N/A
Insertion loss	≤ 0.1 x $\sqrt{f(\text{GHz})}$ 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 - * Interface only

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 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	11W15A-508

Suitable cables

Cable type	DACAR 077
------------	-----------

Packing

Standard	1.000 pcs in box / 4.000 pcs in reusable container
Weight	2.45 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
Denis Oberhöller	27/09/05	Wolfgang Lankes	10/10/11	e00	11-0868	Paul Teichmann	10/10/11
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