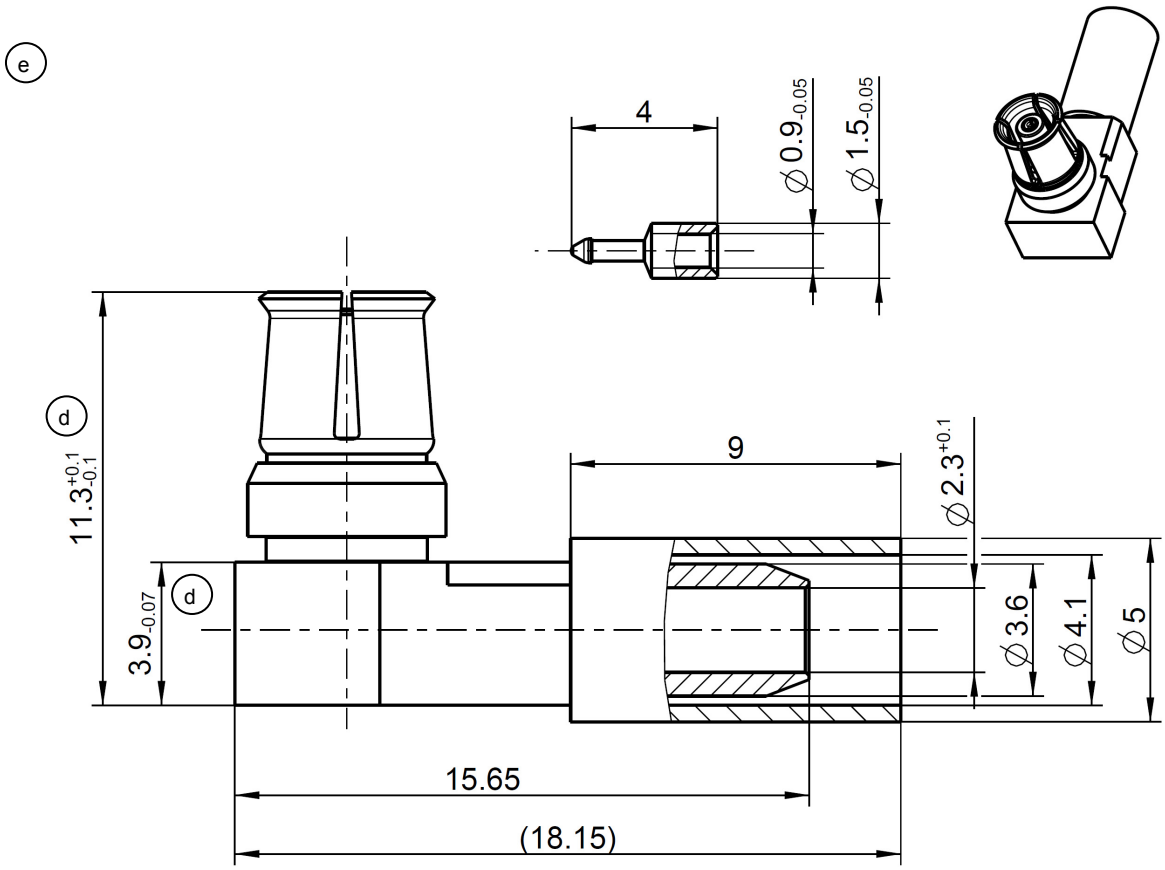
Technical Data Sheet		Rosenberger
FAKRA - HF	RIGHT ANGLE JACK	**59K28H-1M4A4**



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

Interface

According to	DIN 72594-1 ISO 20860-1 (d)

Documents

Assembly instruction	MA_59V042

Material and plating

Connector parts	Material	Plating
Center contact	Spring bronze	Gold, min. 0.8 µm, over chemical nickel
Center contact 2	Brass	Gold, min. 0.15 µm, over chemical nickel
Outer contact	Spring bronze	
Body	Brass	Nickel, 2.5-5 µm
Dielectric	PBT	
Chrimp ferrule	Copper	Nickel, 2.5-5 µm
Cover	Alpaca	

Dieses Dokument ist urheberrechtlich geschützt ● This document is protected by copyright ● Rosenberger Hochfrequenztechnik GmbH & Co. KG

Rosenberger Hochfrequenztechnik GmbH & Co. KG
P.O.Box 1260 D-84526 Tittmoning Germany
www.rosenberger.de

Tel. : +49 8684 18-0
Email : info@rosenberger.de

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	$\leq 0.1 \times \sqrt{f(GHz)}$ dB @ 1GHz
Insulation resistance	$\geq 1 \times 10^3$ MΩ
Center contact resistance	≤ 15 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 8.2
Temperature and humidity	DIN 72594-2 clause 8.3 (d)
Vibration and mechanical shock	DIN 72594-2 clause 8.1
Dry heat	DIN 72594-2 clause 8.4
RoHS (d)	compliant

- 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, 4000 pcs in returnable container
Weight	2,57 g/pce

Dieses Dokument ist urheberrechtlich geschützt ● This document is protected by copyright ● Rosenberger Hochfrequenztechnik GmbH & Co. KG

Rosenberger Hochfrequenztechnik GmbH & Co. KG
P.O.Box 1260 D-84526 Tittmoning Germany
www.rosenberger.de

Tel. : +49 8684 18-0
Email : info@rosenberger.de

Change Historie

Rev.	Date	Change
d00	02.11.15	Drawing: -tolerance added to 11.3 (11.3±0.1) and 3.9 (3.9-0.07) Interface: -ISO 20860-1 added Environmental data: - Environmental data specification changed from " DIN 72594-2 clause 6.x" to "…8.x" - specification changed from "2002/95/EC (RoHS)" to "RoHS"
e00	08.06.16	new picture of the drawing

Dieses Dokument ist urheberrechtlich geschützt ● This document is protected by copyright ● Rosenberger Hochfrequenztechnik GmbH & Co. KG

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
W. Lankes	15.02.07	C. Anfang	08.06.16

Rev.	Engineering change number	Name	Date
e00	16-0902	T. Koschel	08.06.16

Rosenberger Hochfrequenztechnik GmbH & Co. KG
P.O.Box 1260 D-84526 Tittmoning Germany
www.rosenberger.de

Tel. : +49 8684 18-0
Email : info@rosenberger.de