



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

	Material	Plating
Center contact	Beryllium copper	Gold, min. 0.8 µm, over chemical nickel
Outer contact	Brass	Nickel, 3-6 µm
Locking ring	Beryllium copper	
Dielectric	PTFE	
Crimping ferrule	Copper	Nickel, 2.5-5 µm

FAKRA -
HF

STRAIGHT JACK

59K17F-102A4

Electrical data

Impedance	50 Ω *
Frequency	DC to 1 GHz
Return loss	≥ N/A
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 - * 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-502

Suitable cables

Cable type	RG 179
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Packing

Standard	1000 pcs in box
Weight	1.79 g/pce

Change History

Rev.	Date	Change
d00	04.09.19	distinguishing feature added and updated data sheet to version 6.2

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
D. Oberhöller	09.06.05	P. Blaßfeld	04.09.19	d00	19-1692	F. Hohenadl	04.09.19

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