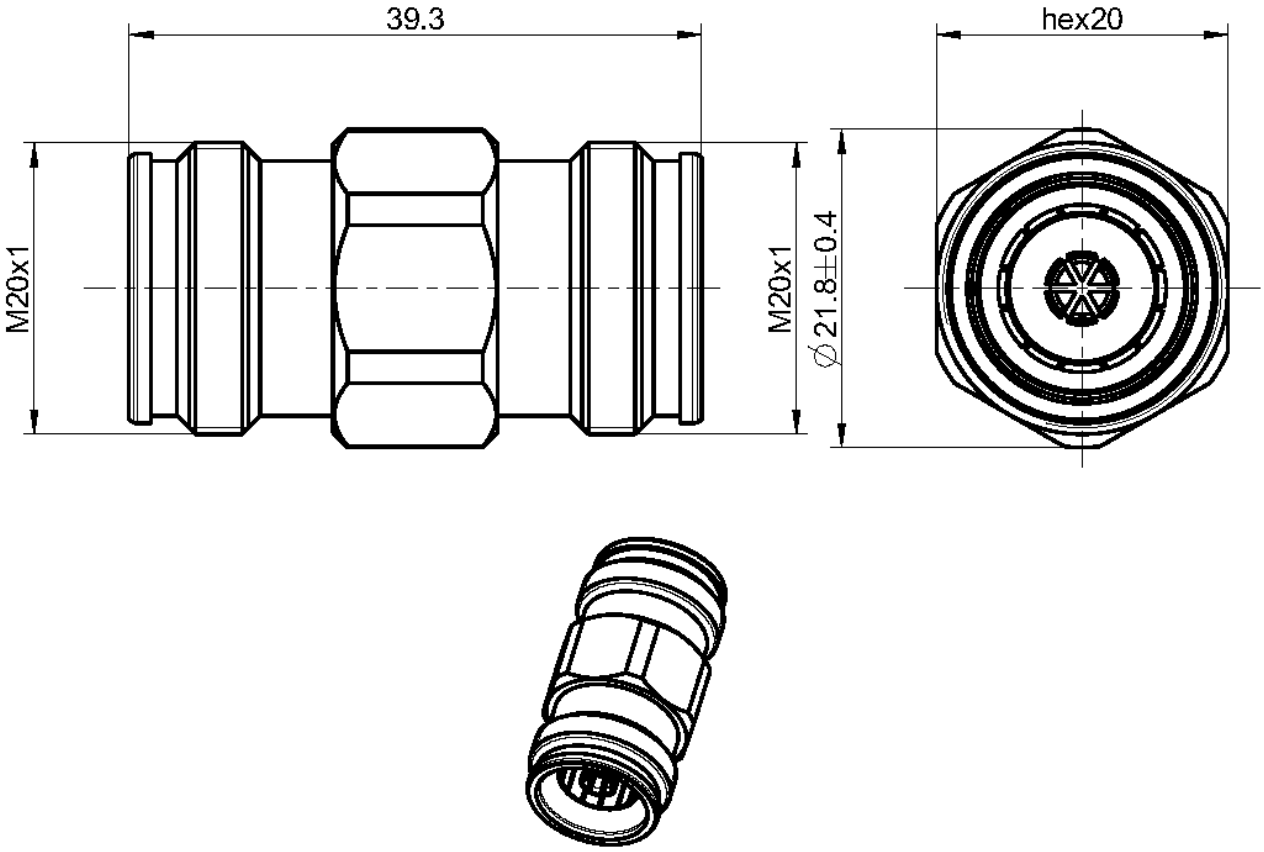
Technical Data Sheet		Rosenberger
4.3-10	Adaptor Jack – Jack	**64K101-K00B1**



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

Interface

According to IEC 61169-54

Documents

N/A

Material and Plating

Connector parts	Material	Plating
Center contact	CuBe	Silver, 3-6 µm
Outer contact	Brass	Silver, 3-6 µm
Body	Brass	Flash white bronze over silver(e.g. Optargen®)
Dielectric	PTFE	

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

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

Technical Data Sheet		Rosenberger
4.3-10	Adaptor Jack – Jack	**64K101-K00B1**

Electrical Data

Impedance	50 Ω
Frequency	DC to 12 GHz
Return loss	≥ 40 dB @ DC to 2 GHz ≥ 34 dB @ 2 GHz to 4 GHz ≥ 28 dB @ 4 GHz to 6 GHz
Insertion loss	$\leq 0.05 \times \sqrt{f\,[GHz]}$ dB
Electrical delay	95 ps
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 1.0 mΩ
Outer contact resistance	≤ 1.0 mΩ
Test voltage	2500 V rms
Working voltage	500 V rms
RF-leakage	≥ 110 dB @ DC to 6 GHz for tool tightened plugs ≥ 90 dB @ DC to 3 GHz for tool-less plugs ≥ 70 dB @ DC 3 to 6 GHz for tool-less plugs
Power handling (at 90 °C, altitude 3000m)	500 W @ 2.0 GHz
Intermodulation (3rd order)	≥ 160 dBc (2 x 46 dBm) @ 0.4 – 4.0 GHz ≥ 166 dBc (2 x 43 dBm) @ 0.4 – 4.0 GHz

Mechanical Data

Mating cycles	≥ 100
Recommended torque	5 Nm

Environmental Data

Temperature range	-55 °C to +90 °C operating temperature
Thermal shock	IEC 61169-1 9.4.4
Corrosion resistance	ISO 21207 method B
Vibration	IEC 61169-1 9.3.3 and IEC 60068-2-64
Shock	IEC 61169-1 9.3.14
Degree of protection (mated pair)	IEC 60529, IP68 1 h / 25 m
RoHS	compliant

Tooling

N/A

Suitable Cables

N/A

Weight

54 g/pc

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.

Draft	Date	Approved	Date
F. Schmidh.	05.11.2013	Chr. Janßen	04.03.2021

Rev.	Engineering change number	Name	Date
b00	20-1927	S. Huber-Siegl	04.03.2021

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

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