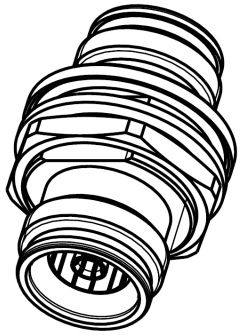
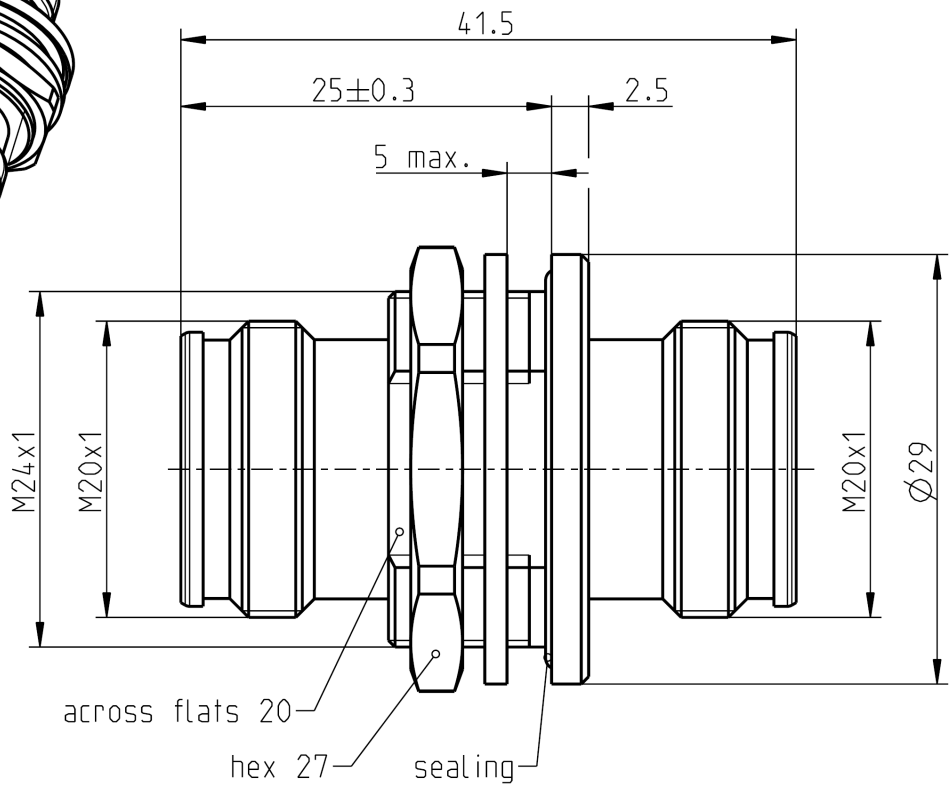
Technical Data Sheet - Draft		Rosenberger
4.3-10	Adaptor Bulkhead Jack - Jack	**64K501-K00B1**





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

Interface

According to	IEC 61169-54

Documents

Panel piercing	B 75a

Material and Plating

Connector parts	**Material**	**Plating**
Center contact	CuBe	Silver, 3-6 µm
Outer contact	Brass	Silver, 3-6 µm
Body	Brass	White bronze(e.g. Optalloy®)
Dielectric	PTFE	

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Electrical Data

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss	≥ 36 dB @ DC to 4 GHz ≥ 32 dB @ 4 GHz to 6 GHz
Insertion loss	≤ 0.05 x $\sqrt{f\,[GHz]}$ dB
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

-RL value only valid for the interface-

Mechanical Data

Mating cycles	≥ 100
Center contact captivation: axial	30 N
Center contact retention force	1.5 - 20 N
Outer contact retention force	4 - 35 N
Engagement force	typ. 100 N
Disengagement force	typ. 80 N
Recommended torque	5 Nm

Environmental Data

Temperature range	-55 °C to +90 °C operating temperature
Thermal shock	IEC 60169-1, Sub-clause 16.4
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 1h / 25m
RoHS	compliant

Weight

Weight	75 g/pc

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