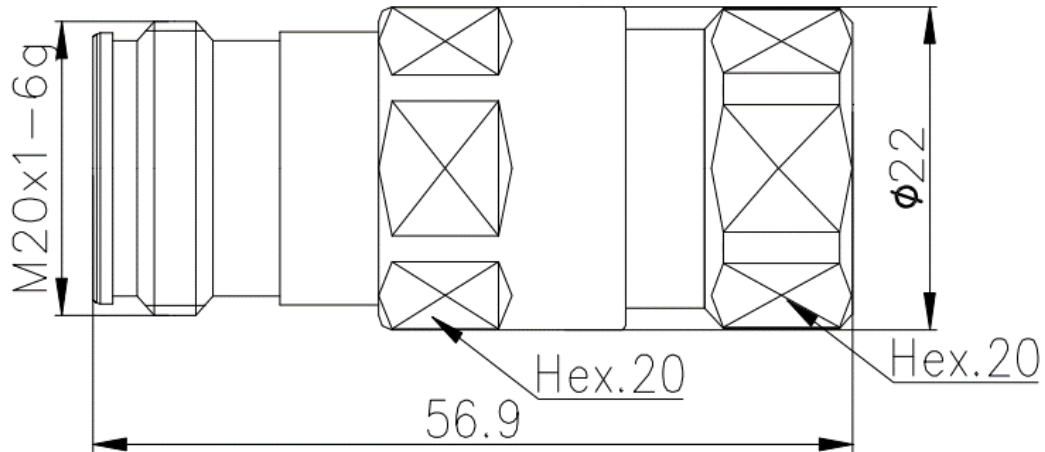




All dimensions are in mm

Interface

According to IEC 61169-54

Documents

Assembly instruction MA_1C7-R03

Material and plating

Connector parts

Center contact
Outer contact
Body
Dielectric

Material

Spring bronze
Spring bronze
Brass
PTFE/TPX

Plating

Silver Plating
Silver Plating
White bronze(e.g. Optalloy®)

Technical Data Sheet

Rosenberger

4.3-10

Straight Jack
(1/2" Leaky Cable)

R64K1C7-R03B1

Electrical data

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss	≥ 20.8 dB @ 0.7 GHz to 2.7 GHz
Insertion loss	≤ 0.1 x $\sqrt{f \text{ [GHz]}}$ dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 1.0 mΩ
Outer contact resistance	≤ 0.6 mΩ
Working Voltage	500V
Intermodulation (3 rd order)	≥150 dBc (2x43 dBm) @1800MHz

- RL value only valid for the interface

Mechanical data

Mating cycles	≥ 500
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Environmental data

Temperature range	-45 ° C to +85 ° Cooperating temperature
Vibration	MIL-STD-202,Meth.204,Cond.A
Shock	MIL-STD-202,Method 213,Test Conditon D
RoHS	compliant

Tooling

Stripping tool	N/A
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Suitable cables

SL 012U RK FRNC

Weight

Weight	69.6 g/pce
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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.

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



Draft	Date	Approved	Date
Liubinke	23.01.24	Fuhao	23.01.24

Rev.	Engineering change number	Name	Date
100	24-m001	Liubinke	23.01.24

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