



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

**Description**

Female loopback adapter for Rosenberger Duplex Connector (RDC), singlemode version; Both optical contacts are connected together. It allows a self-test of a device or a measurement of a link from one side.

**Interface**

According to No current standard, intermateable with ODC®-2  
Approved by 3<sup>rd</sup> party test (VDE)

**Fiber type**

Multimode 9/125 µm

**Optical data**

Return loss ≥ 55 dB  
Insertion loss 0.5 dB typical  
0.7 dB maximum

**Material and plating**

**Connector parts**

Connector body  
Ferrules, 2 x Ø 1.25

**Material**

Aluminium  
Zirkonia

**Plating**

red anodized  
-

**Mechanical data**

Mating cycles ≥ 500  
Straight pulling, plug 800 N  
Coupling torque 1.0 to 2.0 Nm

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RDC

Rosenberger Duplex Connector,  
Loop adapter, female, 9/125 µm

**98RDCK120-L00**

**Environmental data**

Temperature range	-40 °C to +85 °C
Vibration	IEC 61300-2-1
Salt mist	IEC 61300-2-26, 30 days
Ingress Protection, mated	EN 60529 IP 67
2002/95/EC (RoHS)	Compliant

**Tooling**

Pre Adjusted RDC Torque Wrench 98W009-000

*Available as option.*



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
S. Schmidt	2013-04-29	S. Gleich	2013-04-29	A00	13-0004	S. Schmidt	2013-04-29

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