

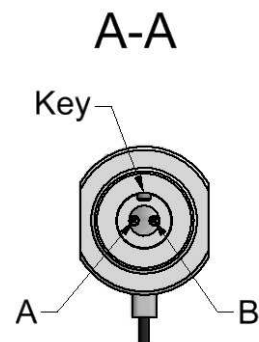
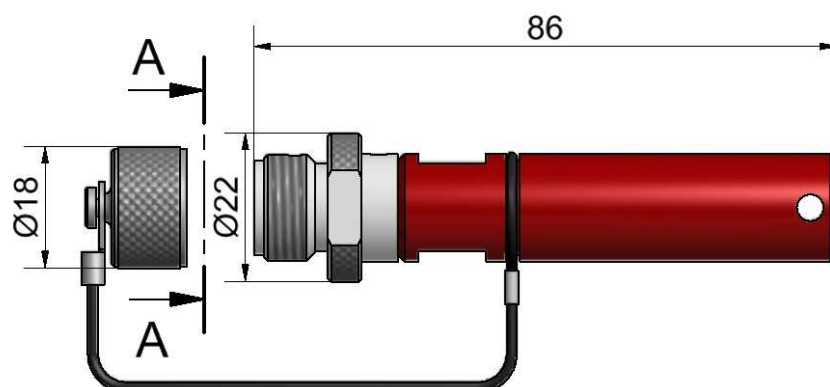
# Technical Data Sheet

**Rosenberger**  
Rosenberger Site Solutions, LLC

RDC

Rosenberger Duplex Connector,  
Loop adapter, female, 50/125 µm

**FB-98RDCK130-L00**



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

## Description

Female loopback adapter for Rosenberger Duplex Connector (RDC), multimode 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

50/125 µm

## Optical data

Return loss

≥ 35 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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### 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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