Technical Data Sheet

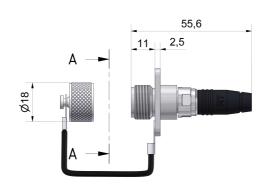
Rosenberger

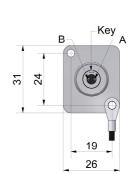
A-A

Series

RDC-Receptacle XLR

98RDCK 4XX





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

The RDC (Rosenberger Duplex Connector) with 2 optical fibres is a robust screw locking connector system for use in harsh environments. When mated, the connector and coupler are sealed to EN 60529 IP67.

APC polishing (8°) of the ferrules is available for high return loss (testable from 3 meters). Dust caps available in a variety of styles and

Standards

RDC, acc. to IEC 61754-31

Material for connectors

Ferrule/Sleeves: Connector body: Ferrule holder: Boot:

Crimp sleeve: Gasket:

Zirconia ceramic. 2x Ø1.25 mm Brass, nickel plated Plastic, UL 94-V0 Copper, nickel plated Silicon rubber

Optical data

Insertion Loss: SM / MM:

Return Loss:

Typical Max. 0,50 dB 0.25 dB

SM: \geq 50 dB (PC) und \geq 65 dB (APC) **MM**: \geq 20 dB

Mechanical data

Mating cycles Tightening torque

1,0 bis 2,0 Nm

Environmental data

Operating temperature range Storage temperature range Vibration Salt mist RoHS

-40°C bis +125°C (dependent on the cable type) -40°C bis 85°C (dependent on the cable type) IEC 61300-2-1 IEC 61300-2-26. 30-days

Compliant

Cable type

Cable: SM / MM

Connection cables for receptacle Ø 0.9 - 1.8 mm

Packing

Standard packaging.

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	Rev.	Engineering change number	Name	Date
Y. Zhang	15.05.17	S. Wiener	21.03.19	004	004	M. Komarow	05.02.24

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