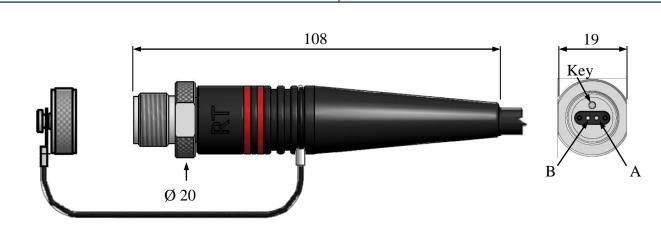
Technical Data Sheet

Rosenberger

RQC Hybrid Connector (Female)

98 RQCK 18X



All dimensions are in mm; tolerances acc. ISO 2768 m-H

Properties

Rosenberger Quad Connector (RQC), hybrid type, 2 singlemode or multimode fibers and 2 electrical contacts, straight plug, cable Ø 7.5 mm, with undetachable protection cap

Interface

No Standard

Material for connectors

Ferrule : Body : Gasket Crimp Sleeve Boot : Electrical contacts

Optical data

Insertion Loss :

Return Loss : S/M M/M 2X Zirconia ceramic, Ø1.25 mm Brass, flash white bronze plating Silicon Rubber Copper, nickel platting TPV 2X CuBe, gold platting

Typicalmax.0.25 dB0.50 dB

≥ 50 dB(PC) ≥ 65 dB(APC) ≥ 20 dB

700 N(dependent on the cable type)

48 V max(Indoor) and 30 V max(Outdoor).

≥ 500

1.0 to 2.0 Nm

2 A max.

Mechanical data Mating cycle Strain relief Coupling torque

Electrical data Voltage

Current

Environmental data

 Operation temperature range
 -40°C to +85°C

 Storage temperature range
 -40°C to +85°C

 Limit for touchable metal parts: the limit for touchable metal parts is 60°C. The equipment is therefore suitable for operation area up to 55°C.

Limitations are possible due to the used cable type

Vibration Salt mist Ingress Protection, mated IEC 61300-2-1 IEC 61300-2-26. 30 days EN 60529 IP 67

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RoHS

Compliant

Suitable cables

Fiber

Round Cable Types : Receptacle cords:

Packaging

Standard Packaging

S/M, G652D, G657A1, G657A2 M/M, 62.5/125μm, 50/125μm OM2, OM3 and OM4 Ø 7.5mm Hybrid Cable Simplex cable Ø 0,9 or 1.8mm

Warning:

The electrical contacts of the connector system 2+2Core are protected against direct contact. When connecting and disconnecting, make sure that the lines are de-energized. Indoor applications:

the plug-in systems 2 + 2Core may only with max. 48V and 2A are operated. Outdoor applications:

the plug-in systems 2 + 2Core may only with max. 30V and 2A are operated.

Warning:

It is essential to ensure that the cleaning of the connector lines are de-energized and the (laser) light sources are switched off. A complete separation we recommend

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
Y.Zhang	16.05.2017	H.Jungbäck	16.05.2017		003		Y.Zhang	16.05.2017
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