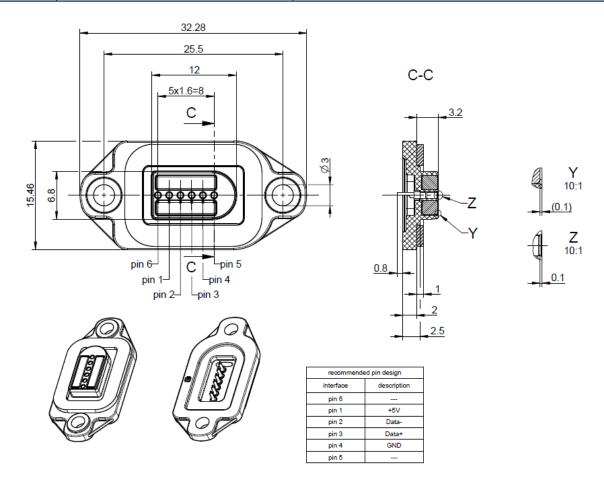
Technical Data Sheet

Rosenberger

MultiMag 6

Receptacle, Reinforced (Solder Cup Termination)

M9K703-299L



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

General Information

Magnetic connector Reinforced version with gasket Number and type of contacts Soldering Color

6 rigid pins Solder cup for pre-tinned wire Black, similar RAL 9005

Interface

Mating with

MultiMag 6 cable assembly

Material and Plating

Connector PartsMaterialPlating/ColorContactsBrassGold platedHousingPBT GF30Black, similar RAL 9005MagnetsNdFeBNickel platedGasketFVMQBlack

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Electrical Data

Designed for USB 2.0 specification 5 V DC, 0.5 A

24 V DC Maximum voltage Maximum current 1 A

Mechanical Data

Magnetic disengagement force Mating cycles without load Expected Mating cycles with load:

average ~ 8 N min. 5.000

Max. Voltage	Max. Current	Mating cycles		
5.0 V DC	0.5 A	min. 5.000		
12.6 V DC	1.0 A	min. 2.000		
24.0 V DC	0.5 A	min. 800		

Environmental Data

Temperature range -20 °C to +65 °C

Magnets start losing their magnetic properties above 65 °C

Degree of protection DIN EN 60529, IPX6/IPX7 *

Suitable cables

Solder cup for pre-tinned wire with cross section AWG 26

Compliance

RoHS compliant

Packing

Standard 50 pcs in blister Weight ~ 2.0 g/pc

Caution!

Magnets can impact the function of pace makers and implantable cardioverterdefibrillators (e.g. actuation of reed switch). Keep a minimum distance of 0.2 m (20 cm) between the magnetic connector and the implanted devices to prevent malfunction and danger to health.

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
T. Scheuerlein	22.12.15	T. Scheuerlein	19.05.20	c00	20-1090	M. Margardt	19.05.20

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^{*}not considering the flange holes. Depending on the application, it may be necessary to seal the flange holes separately.

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