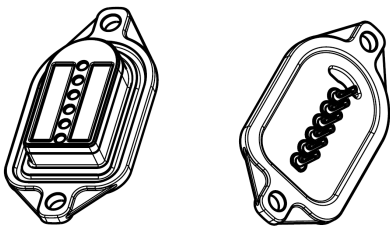
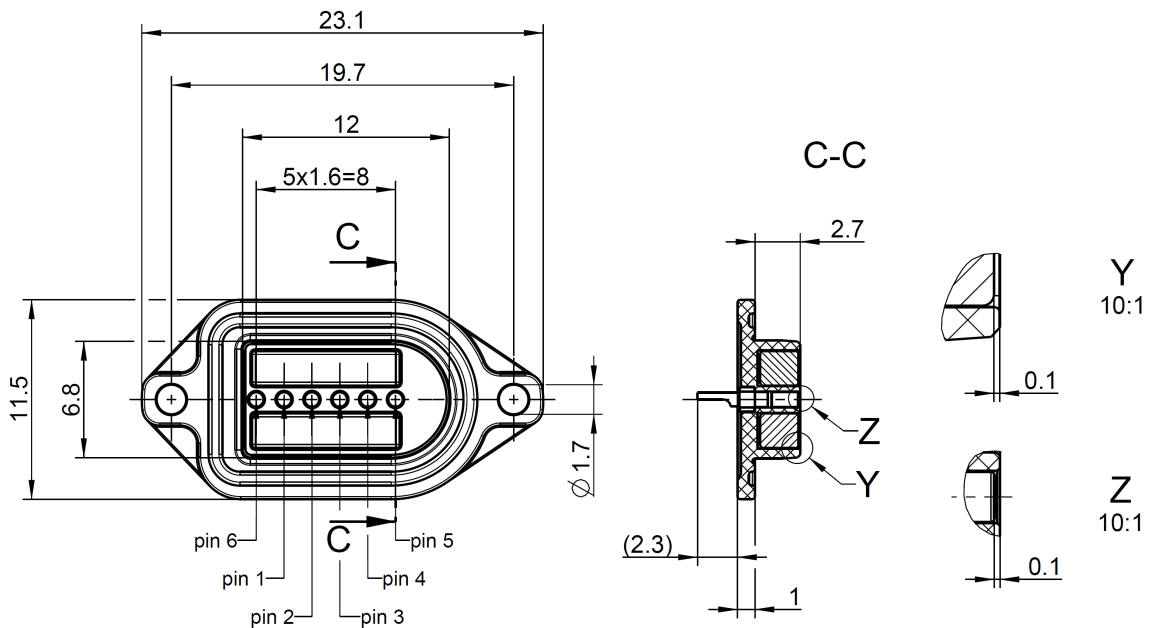


M9

MultiMag 6 Receptacle
(Solder Cup Termination)

M9K701-299L



recommended pin design	
interface	description
pin 6	---
pin 1	+5V
pin 2	Data-
pin 3	Data+
pin 4	GND
pin 5	---

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

General Information

Magnetic connector

Number and type of contacts

Soldering

Color

6 rigid pins

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

Black, similar RAL 9005

Interface

Mating with

MultiMag 6 cable assembly

Material and Plating

Connector Parts

Contacts

Housing

Magnets

Material

Brass

PBT GF30

NdFeB

Plating/Color

Gold plated

Black, similar RAL 9005

Nickel plated

M9

MultiMag 6 Receptacle
(Solder Cup Termination)

M9K701-299L

Electrical Data

Electrical data acc. to USB 2.0 specification

Maximum voltage 5 V
Maximum current 0.5 A

Mechanical Data

Mating cycles min. 5.000
Magnetic disengagement force average ~ 8 N

Environmental Data

Temperature range -20 °C to +65 °C
Magnets start losing their magnetic properties above 65 °C

Suitable Cables

Pre-tinned wire with cross section AWG 26

Compliance

RoHS compliant

Packing

Standard 100 pcs in blister
Weight ~ 1 g/pc

Caution!

Magnets can impact the function of pace makers and implantable cardioverter-defibrillators (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
C. Kainzmaier	27.04.15	T. Scheuerlein	19.04.17	b00	17-s123	M. Schönsmaul	19.04.17

Rosenberger Hochfrequenztechnik GmbH & Co. KG
P.O.Box 1260 D-84526 Tittmoning Germany
www.rosenberger.de

Tel. : +49 8684 18-0
Fax : +49 8684 18-499
Email : info@rosenberger.de

Page
2 / 2