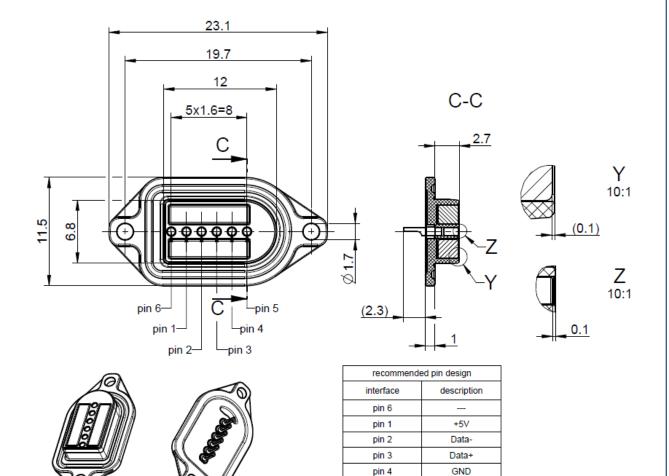
#### **Technical Data Sheet**

### Rosenberger

MultiMag 6

Receptacle (Solder Cup Termination)

#### M9K702-299L



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 White, similar RAL 9010

#### Interface

Mating with

MultiMag 6 cable assembly

#### **Material and Plating**

Connector PartsMateContactsBrassHousingPBTMagnetsNdFe

MaterialPlating/ColorBrassGold platedPBT GF30White, similar RAL 9010

pin 5

NdFeB Nickel plated

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 : <u>info@rosenberger.de</u> Page

1/2

# RF\_35/05.10/6.0

## Rosenberger

MultiMag 6

Receptacle (Solder Cup Termination)

M9K702-299L

#### **Electrical Data**

Designed for USB 2.0 specification 5 V DC, 0.5 A

Maximum voltage 24 V DC Maximum current 1 A

#### **Mechanical Data**

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

**Technical Data Sheet** 

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

#### Suitable Cables

Pre-tinned wire with cross section AWG 26

#### Compliance

RoHS compliant

#### **Packing**

Standard 100 pcs in blister Weight  $\sim 1 \text{ g/pc}$ 

#### 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
C. Kainzmaier	27.04.15	T. Scheuerlein	23.01.20	c00	20-0163	S. Kirchhofer	23.01.20

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

#### **X-ON Electronics**

Largest Supplier of Electrical and Electronic Components

Click to view similar products for D-Sub Micro-D Connectors category:

Click to view products by Rosenberger manufacturer:

Other Similar products are found below:

65-1920-15 M83513/03-G12N M83513/04-D11C M83513/04-G04C M83513/22-D01NP 664020C06F060 6R2004A30F015
6R4006A28A120 704002A03F200 705001A13F120 71-147714-19P 7-1532020-5 748567-1-P MDB1-9SH001 MDM-15PBS-L58 MDM15PCBRM7T MDM-15PH001M7-A174 MDM-15PH003B-A174 MDM-15SH001L MDM-15SH003A MDM-15SH004B MDM-15SH048B
MDM-25PH003B-A174 MDM-25SH003F MDM-25SH003K MDM-37PH006L-A174 MDM-37SH003K MDM51PH016FA174 MDM51PSF MDM-51SH046B MDM-9SH001P MDM-9SH006B 790-027SH-10P4MEP 790-041PJ-25P2MPA 790-043PJ-7P7MPB 791-004SH66MSA 7R3A00A19A1201 7R5006A19A120 803000C02M020 803001B02M040 803001D01M040 8030N1A09M020 804001B03M100
804006B03M100 804006C02M030 MLDM2L-21SCBRP-.110 85043GULSR 883020E03M030 883031D01M030 883033B03M020