

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

**General Information**

Magnetic connector	
Coding	mechanical
Number and type of contacts	15 rigid pins
Soldering	THT

**Interface**

Mating with MultiMag 15 cable assembly

**Material and Plating**

<b>Connector parts</b>	<b>Material</b>	<b>Plating</b>
Insulator	PBT	White, similar RAL 9003
Contact	Brass	AuroDur®, gold plated
Magnets	NdFeB N52	Nickel

Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG

RF\_35/09.14/6.2

**Flammability Rating**

**Connector parts**

Insulator

**Category**

Uncolored raw material acc. to UL94 V-0\*

\*Please note that a non UL rated color batch is added

**Electrical Data**

Operating voltage  
Operating current

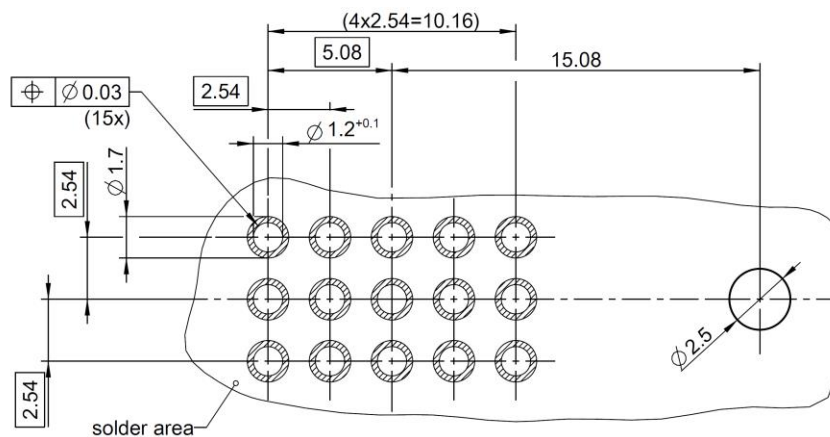
12 V  
max. 4.5 A  
max. 1.5 A per contact  
typically  $\leq 60 \text{ m}\Omega$   
 $\sim 100 \Omega$  differential pairs

**Mechanical Data**

Mating cycles without load  
Mating cycles under load  
Magnetic retention force

min. 10.000  
min. 1.000  
average  $\sim 14 \text{ N}$

**PCB Footprint**



All drill holes plated inclusive pads on the backside (pad width min. 0.2 mm)

The stated dimensions are only recommendations.

**Environmental Data**

Temperature range  
Chemical resistance

-25 °C to +65 °C  
Magnets start losing their magnetic properties above 65 °C  
Isopropanol 70 %

Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG

RF\_35/09.14/6.2

# Technical Data Sheet

# Rosenberger

MultiMag 15

Receptacle  
(PCB Termination)

**M9K103-400L**

## Compliance

RoHS compliant

## Packing

Standard Weight 25 pcs in blister  
~ 12.5 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
H. Wurm	07.05.15	T. Scheuerlein	18.02.19	a00	19-s062	S. Doerr	18.02.19

Rosenberger Hochfrequenztechnik GmbH & Co. KG  
P.O.Box 1260 D-84526 Tittmoning Germany  
[www.rosenberger.de](http://www.rosenberger.de)

Tel. : +49 8684 18-0  
Email : [info@rosenberger.de](mailto:info@rosenberger.de)

Page

3 / 3

## 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 :

[M24308/4-6F](#) [65-1920-15](#) [M83513/03-G09N](#) [M83513/03-G12N](#) [M83513/04-D11C](#) [M83513/04-G04C](#) [M83513/22-D01NP](#) [664020C06F060](#)  
[6R2004A30F015](#) [6R4006A28A120](#) [704002A03F200](#) [705001A13F120](#) [7-1532020-5](#) [748567-1-P](#) [MDB1-9SH001](#) [MDM-100PH003L](#) [MDM-](#)  
[15PBS-L58](#) [MDM-15PCBRM7T](#) [MDM-15PH001M7-A174](#) [MDM-15PH003B-A174](#) [MDM-15SH001L](#) [MDM-15SH003A](#) [MDM-15SH004B](#)  
[MDM-15SH006A-A174](#) [MDM-15SH048B](#) [MDM-21SH003K](#) [MDM-25PH003B-A174](#) [MDM-25SH003F](#) [MDM-25SH003K](#) [MDM-](#)  
[37PH006L-A174](#) [MDM-37SH003K](#) [MDM51PH016FA174](#) [MDM-51PSF](#) [MDM-51SH046B](#) [MDM-9PH003M7](#) [MDM-9SH001P](#) [MDM-](#)  
[9SH006B](#) [790-027SH-10P4MEP](#) [790-041PJ-25P2MPA](#) [790-043PJ-7P7MPB](#) [791-004SH-66MSA](#) [7R3A00A19A1201](#) [7R5006A19A120](#)  
[803000C02M020](#) [803001B02M040](#) [8030N1A09M020](#) [804001B03M100](#) [804006B03M100](#) [804006C02M030](#) [MLDM2L-21SCBRP-.110](#)