



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

**Interface**

According to N/A

**Documents**

Assembly instruction MA\_MF-A7  
 Panel piercing MB\_384

**Material and plating**

**Connector parts**

Center contact  
 Outer contact  
 Body  
 Dielectric  
 Crimping ferrule

**Material**

Spring bronze  
 Spring bronze  
 Spring bronze  
 PTFE  
 Brass

**Plating**

AuroDur®, gold plated  
 AuroDur®, gold plated

Flash white bronze over silver(e.g. Optargen®)

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

RF\_35/05.10/6.0

MF

straight jack

**MF1K109-1H8L5-NM**

**Electrical data**

Impedance	50 Ω
Frequency	DC to 2 GHz
Return loss	≥ 25 dB, DC to 2 GHz
Insertion loss	≤ 1.8 dB / 2 GHz (typ.)
Insulation resistance	≥ 5 x10 <sup>3</sup> MΩ
Center contact resistance	initial ≤ 30 mΩ
Outer contact resistance	initial ≤ 30 mΩ
Test voltage (at sea level)	TBM
Working voltage (at sea level)	TBM

**Mechanical data**

Mating cycles	up to 100.000
Engagement force	1 N
Disengagement force	1 N

**Environmental data**

Temperature range	-25°C .. +85°C
RoHS	compliant
Non-magnetic	compliant

**Tooling**

Crimping tool	11W150-000
Crimp insert	11W150-401

**Suitable cables**

6YC6Y 0.2/0.6 - 50

**Packing**

Standard	50 pcs in bag
Weight	1.3 g/pce

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
G.Lapper	27/04/11	C. Kainzmaier	09.03.17	a00	17-s085	M. Margardt	09.03.17

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  
 Fax : +49 8684 18-499  
 Email : [info@rosenberger.de](mailto:info@rosenberger.de)

Page  
 2 / 2