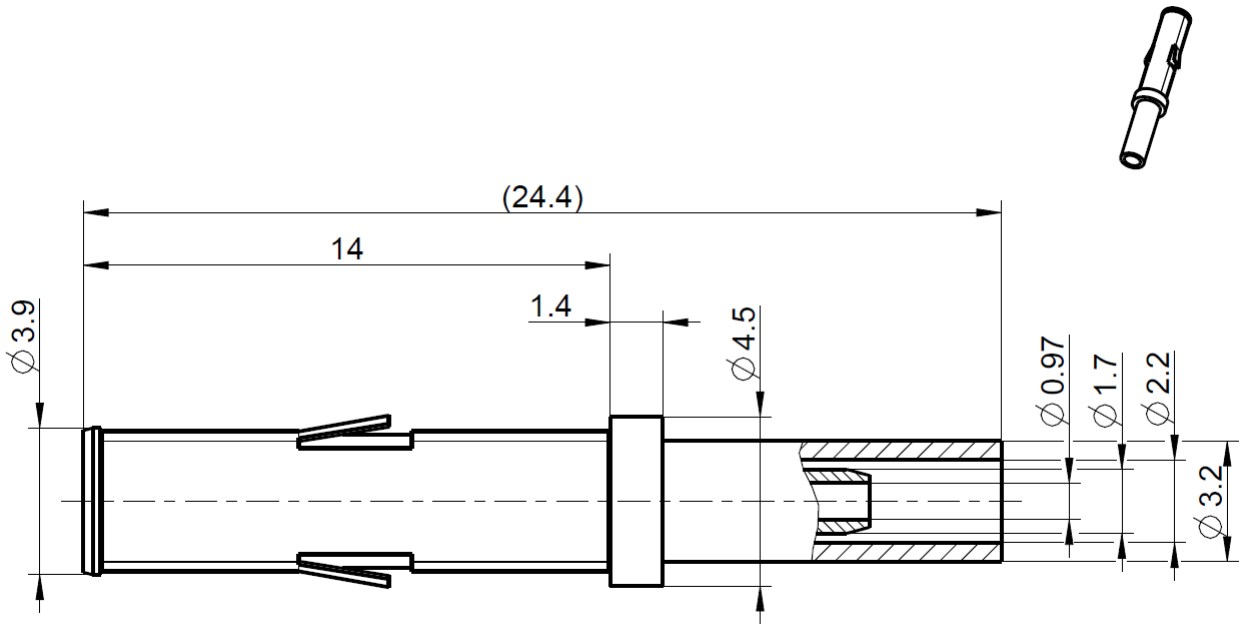
Technical Data Sheet		Rosenberger
MF	straight jack	**MF1K109-101L5-NM**



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

Interface

According to	N/A

Documents

Assembly instruction	MA_MF-A8
Panel piercing	MB_384

Material and plating

Connector parts	**Material**	**Plating**
Center contact	Spring bronze	AuroDur®, gold plated
Outer contact	Spring bronze	AuroDur®, gold plated
Body	Spring bronze	White bronze(e.g. Optalloy®)
Dielectric	PTFE	
Crimping ferrule	Brass	Flash white bronze over silver(e.g. Optargen®)

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Electrical data

Impedance	50 Ω
Frequency	DC to 2 GHz
Return loss	≥ 30 dB, DC to 1 GHz ≥ 20 dB, DC 1 to 2 GHz
Insertion loss	≤ 1.7dB / 2 GHz (typ.)
Insulation resistance	≥ 5 x10^3 MΩ
Center contact resistance	initial ≤ 40 mΩ
Outer contact resistance	initial ≤ 10 mΩ
Test voltage (at sea level)	500 V
Working voltage (at sea level)	335 V
Contact current	typ. 1.5 A DC max.

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

RG 178

Packing

Standard	50 pcs in bag
Weight	1.9 g/pce

Draft	Date	Approved	Date
G.Lapper	27/04/11	C. Kainzmaier	08.03.17

Rev.	Engineering change number	Name	Date
a00	17-s084	M. Margardt	08.03.17

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