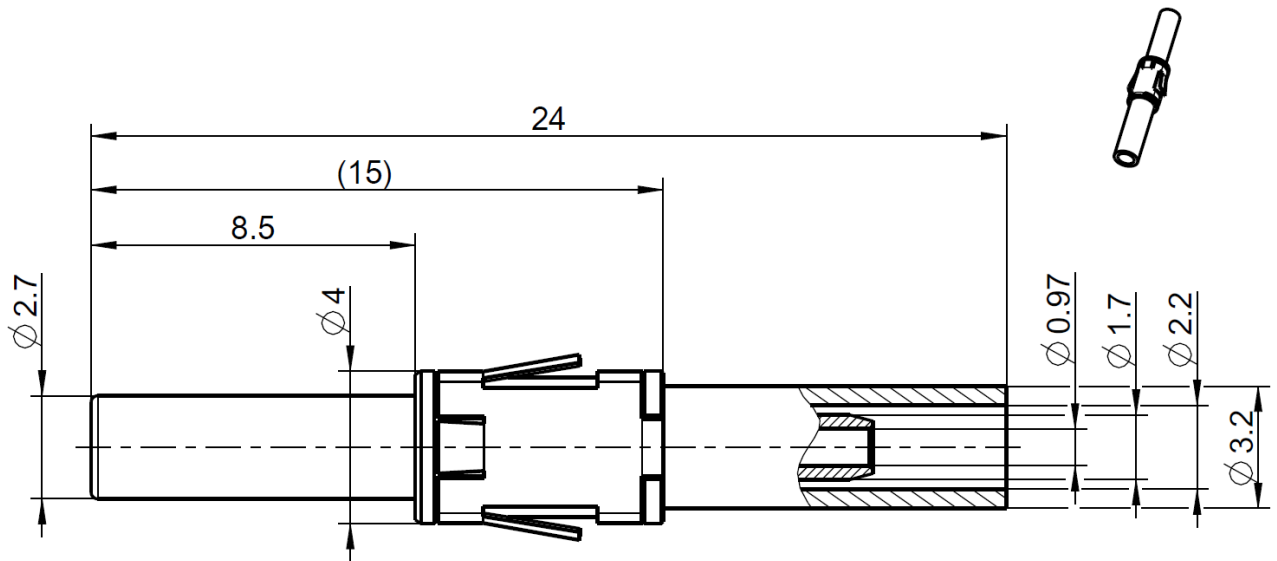




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to

N/A

Documents

Assembly instruction

MA_MF-A8

Panel piercing

MB_385

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

Technical Data Sheet

Rosenberger

MF

straight plug

MF1S111-101L5-NM

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	$\leq 0.1 \times \sqrt{f [GHz]}$ dB TBM
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
Thermal shock(optional)	MIL-STD-202, Meth. 107, Cond. B TBM
Corrosion(optional)	MIL-STD-202, Meth. 101, Cond. B TBM
Vibration(optional)	MIL-STD-202, Meth. 204, Cond. D TBM
Shock(optional)	MIL-STD-202, Meth. 213, Cond. I TBM
Moisture resistance(optional)	MIL-STD-202, Meth. 106 TBM
RoHS	compliant

Tooling

Crimping tool (optional)	11W150-000
Crimp insert (optional)	11W150-401

Suitable cables

RG 178

Packing

Standard	50 pcs in bag
Weight	1.1 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	02.11.15	a00	15-s389	S.Hofmeister	02.11.15
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