



*final state
max. housing thickness: 3*

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

Interface

According to MF2S113-199L

Documents

Panel piercing MB_401

MF

STRAIGHT JACK

MF2K111-299L

Material and plating

Connector parts

Contact Pins
Insulator
Nut
Mounting nut
Gasket
Magnet

Material

Brass
PA 6T/66 GF30
PA 6.6
PBT GF30
VMQ
NdFeB N52

Plating / Color

AuroDur®, gold plated
black
black
black
red
Ni

Flammability

Connector parts

Insulator
Assembly parts

Category

material acc. to UL94 V-0
material acc. to UL94 V-1/V-2

Electrical data

Peak current
Working voltage

1000mA
max. 50V DC

Mechanical data

Mating cycles
Disengagement force

min. 10.000
> 10 N
Force measured during vertical disengagement with counter connector
south to interface

Magnetic pole

Environmental data

Temperature range
Soldering process

-25°C to +75°C
Magnets are loosing their magnetic properties above the temperature of 130°C
Designed for manual solder process
IP65 / IP67 (in vertical position)

Suitable cables

n/a

Packing

Standard
Weight

50 pcs per box
tbd

Safety instruction

Caution

Magnets can impact the function of pace makers and implantable cardioverter-defibrillators (e.g. actuation of reed switch). Keep a minimum distance of 0.5 m (50 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
G. Lapper	22.10.2012	G. Lapper	13.02.14	200	14-v098	J. Ressler	12.02.14

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