



Single product Electrical Resistance

DUPPLICATED

This document only applies to the named product in its original state and is valid for a period of 5 years from the date the first document was issued. The document can be verified under www.tested-device.com.

Detailed information and parameters of the test environment can be found in the Fraunhofer IPA test report.

Fraunhofer

TESTED[®]

DEVICE

MIR
MIR250ESD
Report No. MI 2102-1211

Qualification Certificate

This is to certify that the product mentioned above, provided by
Mobile Industrial Robots A/S
Odense SØ, Denmark

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number MI 2102-1211.

The robot MIR250 ESD was examined for its electrical resistance at representative points in accordance with DIN EN 61340-2-3. The resistance to groundable point (R_{gp}) values obtained from the test piece lies within the limits of the limiting value of $1 \times 10^9 \Omega$ required by DIN EN 61340-5-1 for ESD control elements. The point-to-point resistance (R_{p-p}) values obtained from the test piece lies within the limits of the limiting value of $1 \times 10^9 \Omega$ required by DIN EN 61340-5-1 for ESD control elements.

Measuring point	Operating voltage [V]	Max. value [Ω]	Compliance with limit value as per DIN EN 61340-5-1
Resistance to groundable point (R_{gp})	100	2.8×10^7	fulfilled
Point-to-Point resistance (R_{p-p})	100	1.4×10^8	fulfilled

MI 2102-1211
Report No. first document

Stuttgart, March 24, 2021
Place, date of first document issued

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Report No. current document

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Place, current date

on behalf of
Dr.-Ing. Frank Bürger, Project Manager Fraunhofer IPA