



Fraunhofer

TESTED[®] DEVICE

FANUC Europe GmbH
LR Mate 200iD/7L
Report No. FA 1906-1033

Single product
Electrical
Resistance

Qualification Certificate

This is to certify that the product mentioned above, provided by

FANUC Europe GmbH
Neuhausen auf den Fildern, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE
bearing the report number FA 1906-1033.

The robot LR Mate 200iD/7L in gelber Lackierung/7 kg Langarm (A05B-1142-B301) was examined for its electrical resistance at representative points in accordance with DIN EN 61340-2-3. The resistance to groundable point (R_{gp}) and resistance point-to-point (R_{p-p}) values obtained from the test piece lies above the limits of the limiting value of $1 \times 10^9 \Omega$ required by DIN EN 61340-5-1 for ESD control elements (expect measuring point 1 (R_{gp}) which lies below the limiting value).

Resistance to groundable point (R_{gp}) and resistance point-to-point (R_{p-p})	Operating voltage [V]	Compliance with limit value as per DIN EN 61340-5-1
Overall result	10 / 100	not fulfilled*
*In situations where it is important to consider whether the Charged Device Model (CDM) could cause damage, the lower limit value for ESD protective components should be above $1 \times 10^4 \Omega$.		

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.

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Report No. first document

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Report No. current document

Stuttgart, June 7, 2019
Place, date of first document issued

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Place, current date

on behalf of 
Dr.-Ing. Udo Gommel, Project Manager Fraunhofer IPA