



valid until: May 22, 2029

# Fraunhofer

## TESTED<sup>®</sup> DEVICE

KUKA Deutschland GmbH  
LBR iisy 11 R1300 CR  
Report No. **KU 2303-1404**

### Single product Electrical Resistance

### Qualification Certificate

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

**KUKA Deutschland GmbH**  
Augsburg, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number KU 2303-1404.

The robot LBR iisy 11 R1300 CR (color: white and orange) was examined for its electrical resistance at representative points in accordance with IEC 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  $1 \times 10^3 \Omega$  required by IEC 61340-5-1 for ESD protective elements.

Measuring point	Operating voltage [V]	$R_{gp 1}^1$ [ $\Omega$ ]	$R_{gp 2}^1$ [ $\Omega$ ]	Compliance with limit value as per IEC 61340-5-1
Contact point 1	10	$< 1 \times 10^3$	$< 1 \times 10^3$	<b>fulfilled</b>
Contact point 2	10	$< 1 \times 10^3$	$< 1 \times 10^3$	<b>fulfilled</b>

<sup>1)</sup> $R_{gp}$ : Resistance to groundable point

KU 2303-1404  
Report No. first document

Stuttgart, May 22, 2024  
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

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](http://www.tested-device.com).

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