



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 ac-  
cordance 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	Ope- rating voltage [V]	$R_{gp\ 1}$ <sup>1)</sup> [ $\Omega$ ]	$R_{gp\ 2}$ <sup>1)</sup> [ $\Omega$ ]	Compli- ance 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

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.

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 Burger, Project Manager Fraunhofer IPA