

## Fraunhofer

# TESTED® DEVICE

KUKA Roboter GmbH KR AGILUS - 2 series

**Report No. KU 1707-926** 

Statement of Qualification

Electrostatic Resistance





### **Statement of Qualification**

**Customer** KUKA Roboter GmbH

Zugspitzstrasse 140 86165 Augsburg Germany

**Component tested** 

Category: Automation Components

Subcategory: Robotics

Product name: KR AGILUS - 2 series consisting of:

 KR6 R700-2 (manufacturing date: 7/2017; color: white; serial number: 1023004)

• KR10 R1100-2 (manufacturing date: 9/2017; color: white; serial number: 1023013)

### Electrostatic discharge measurements at representative points (discharge resistance)

Standards/Guidelines:

Test devices:

Test environment parameters:

Test procedure parameters:

DIN EN 61340-2-3 ; DIN EN 61340-5-1

The norms stated generally refer to the version valid at the time of the tests.

- Data capture: Tera-Ohm-Meter, type 6206,
   Eltex-Elektrostatik-GmbH

- Airflow pattern:.....vertical laminar flow

- Insulating mount:

Test result/Classification

The KR AGILUS - 2 series was examined for its resistance to earth in accordance with DIN EN 61340-2-3. The test result lies below the required maximum value of 1 x 10 $^9$   $\Omega$  according to DIN EN 61340-5-1 for ESD protective elements.

	Operating voltage [V]	Resi- stance [Ω]	Compliance with limit value according to DIN EN 61340-5-1
KR6 R700-2: Discharge resistance	10	1.30 x 10 <sup>3</sup>	fulfilled
KR10 R1100-2: Discharge resistance	10	< 2 x 10 <sup>3</sup>	fulfilled



The measuring devices used for the qualification tests are calibrated at regular intervals; their results can be traced back to national and international standards. In cases where no national standards exist, the test procedure implemented complies with the technical regulations and norms applicable at the time of the test. The relevant documentation can be viewed on request at any time.

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

Fraunhofer Institute for Manufacturing Engineering and Automation IPA

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on behalf of Bright Burger, 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.

