

Fraunhofer

TESTED® DEVICE

KUKA Roboter GmbH KR 6 R900 fivve

Report No. KU 1509-782

Statement of Qualification

Electrostatic Resistance





Statement of Qualification

Customer KUKA Roboter GmbH

Zugspitzstrasse 140 86165 Augsburg Deutschland

Component tested

Category: Automation component

Subcategory: Robotics

Product name: KR 6 R900 five

(manufacturing date: 6/2015; color: orange; serial number: 517215;

payload: 6 kg; maximum reach: 901 mm)

Electrostatic discharge measurements at representative points (surface resistivity, volume resistivity, discharge resistance)

Standards/Guidelines:

Test devices:

Test environment parameters:

Test procedure parameters:

DIN EN 61340-5-1; DIN EN 61340-4-1

The norms stated refer to the relevant editions applicable at the time of the tests

• Data capture:Tera-Ohm-Meter, type 6206,

Eltex-Elektrostatik-GmbH

Airflow pattern: vertical laminar flow
Temperature: 22 °C ± 0.5 °C

Attached payload: no tool mounted

Test result/Classification

The robot KR 6 R900 five fulfills the ESD requirements for EPAs (ESD-protected areas) of discharge resistance according to DIN EN 61340-5-1 and DIN EN 61340-4-1.

Test parameter	Operating voltage [V]	Resistance $[\Omega]$	Rating
Discharge resistance	10	<10E + 3	electrostatically conductive



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.

For further information about the test environment and parameters, please refer to the Fraunhofer IPA test report.

Fraunhofer Institute for Manufacturing Engineering and Automation IPA

Department of Ultraclean Technology and Micromanufacturing

Nobelstrasse 12 70569 Stuttgart Germany Stuttgart, December 6, 2015

Place, date of first document issued

ace current date

on behalf of River

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

