





Fraunhofer TESTED® DEVICE KUKA Deutschland GmbH KMR iiwa omniMove CR UL Report No. KU 2206-1325

Statement of Qualification

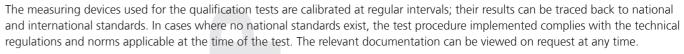
Single product Electrostatic Charge Behavior

Statement of Qualification • Single product

Customer	KUKA Deutschland GmbH Zugspitzstrasse 140 86165 Augsburg Germany	The autonomous robot KMR iiwa omniMove CR UL fulfills the permissible limit values for the sensitivity threshold 2010/45 nm according to SEMI E78-0222.			
				static field	
		Electrostatic level		Test result	
Component tested		Year Node	Limit value [V/cm]	Mean value [V/cm]	Max. single value measured
Category:	Automation Components				[V/cm]
Subcategory:	Robotics	2010 45 nm	50	23	62
Product name:	KMR iiwa omniMove CR UL	Limit va	Limit value: fulfilled		ulfilled
	(manufacturing date: 7/2019; article number: 338483; serial number: 1040513; weight: 434kg; E-Doc.: 336518; Mounted Manipulator : LBR iiwa 14 R820 CR; manufacturing date: 5/2017; article number: 291253; serial number: 982697; weight: 33kg)				

Measurement of the electrostatic charging behavior

Standards/Guidelines:	SEMI E78-0222 The norms stated generally refer to the version valid at the time of the tests.
Test devices:	Data capture:Influence-E-Fieldmeter, type EMF58 Eltex-Elektrostatik-GmbH
Test environment parameters:	 Cleanroom Air Cleanliness Class (according to ISO 14644-1):
Test procedure parameters:	 Tool weight:



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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Department of Ultraclean Technology and Micromanufacturing

Nobelstrasse 12 70569 Stuttgart Germany



Report No. current document Place, current date



Stuttgart, October 1	1,	2022	
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Place, date of first document issued

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.