





Fraunhofer TESTED® DEVICE KUKA Deutschland GmbH LBR iisy 15 R930 CR Report No. KU 2303-1404

Statement of Qualification

Single product Electrostatic Charge Behavior

Statement of Qualification • Single product

Customer	KUKA Deutschland GmbH Zugspitzstrasse 140 86165 Augsburg Germany	Test result/Classification	The robot LBR iisy 15 R930 CR fulfills the permissible limit values of 13V/cm (0.2 kV/m) for the sensitivity threshold 2033/7.7 nm according to SEMI E78-0222.			
				Electros	tatic field	
			Electrosta	tic level	Te	est result
Component tested					Max. mean	Max. single value
Category:	Automation Components		Year Node	Limit value [V/cm]	value [V/cm]	measured [V/cm]
Subcategory:	Robotics		2033	8.5	0	12
Product name:	LBR iisy 15 R930 CR		7.7 nm	ŏ.ɔ	8	13
	(manufacturing date: 9/2024; color: white and orange; weight: 43.2 kg;		Limit value:		fulfilled	
	serial number: 4561012)					

Measurement of charge 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:no tools mounted Motion sequence:typical pick & place sequence Capacity:

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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Department of Ultraclean Technology and Micromanufacturing

Nobelstrasse 12 70569 Stuttgart Germany



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ner Fraunhofer IPA	-

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