

CERTIFICATE OF COMPLIANCE

Certificate Number E148974
Report Reference E148974-20191204
Issue Date 2019-DECEMBER-23

Issued to: ABB AB/ROBOTICS
Hydrovaegen 10
72168 Vasteras SWEDEN

**This certificate confirms that
representative samples of** ROBOTS AND ROBOTIC EQUIPMENT
Collaborative Manipulator, Model IRB 14050.

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 1740, Robots and Robotic Equipment.
CAN/CSA Z434-14, Industrial Robots and Robot Systems -
General Safety Requirements.
CAN/CSA C22.2 No. 73-1953, Construction and Test of
Electrically Operated Machine Tools.

Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program
UL LLC

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