



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

EATON - POWER CONNECTIONS
125 Mercedes Drive
Carol Stream, IL 60188
Casey Labuda Phone: 872-817-0503

MECHANICAL

Valid to: October 31, 2025

Certificate Number: 5404.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on connector housings, terminals, and connector assemblies:

<u>Test:</u>	<u>Test Method(s):</u>
Vibration testing (Random Vibration) (Sinusoidal Vibration)	USCAR 2 MIL-STD-810
Mechanical Shock	USCAR 2 MIL-STD-810
Resistance Measurements	USCAR 2 USCAR 21 USCAR 38
Dielectric Withstand & Insulation Resistance Testing	USCAR 2 USCAR 21 USCAR 37 USCAR 38
Maximum Current	USCAR 2
Current Cycling	USCAR 2 USCAR 21
Temperature Testing	USCAR 2 USCAR 21
Temperature Humidity Testing	USCAR 2 USCAR 21

Test:

Test Method(s):

Thermal Shock Testing

USCAR 2
USCAR 21
USCAR 38

Fluid Susceptibility

USCAR 2

Voltage Drop

USCAR 2
USCAR 21

Force Testing

USCAR 21
USCAR 2
USCAR 38
USCAR 25
USCAR 37

Cross Sectional Analysis

USCAR 21
USCAR 38





Accredited Laboratory

A2LA has accredited

ROYAL POWER SOLUTIONS

Carol Stream, IL

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 6th day of September 2023.

A blue ink signature of Trace McInturff, written in a cursive style.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 5404.01
Valid to October 31, 2025

For the tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.