



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

NOJA POWER SWITCHGEAR PTY LTD.  
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ELECTRICAL

Valid To: January 31, 2027

Certificate Number: 6056.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory for the following electrical and mechanical tests:

**Test Type/Technology:**

**Test Methods<sup>1</sup>:**

**Dielectric<sup>2</sup>**

**Power Frequency voltage**

Up to 200 kV, 200 mA, 50/60 Hz

IEC 60060-1; IEC 62271-1;  
IEC 62271-100, -103, -111; IEC 60137;  
IEC 61869-1, -3

**Lightning Impulse voltage**

600 kV, 60 kJ

IEC 60060-1; IEC 62271-1;  
IEC 62271-100, -103, -111; IEC 61869-1;  
IEC 60137

**Partial Discharge**

(1–100) pC

IEC 60270; IEC 62271-1;  
IEC 62271-111; IEC 60137; IEC 61869-1

**Contact Resistance Measurement<sup>2</sup>**

(100–1000)  $\mu\Omega$  at 1A

(50–500)  $\mu\Omega$  at 10A

(50–500)  $\mu\Omega$  at 100

IEC 62271-1;  
IEC 62271-100, -103, -111

**Minimum Tripping Current**

IEC 62271-111

**Over/Under Current Protection**

IEC 60255-151

**Over/Under Voltage Protection**

IEC 60255-127

**Frequency Protection**

IEC 60255-181

**Controller Characteristics**

NOJA-3327

**Measuring / Protection Injection Testing<sup>2</sup>**

Voltage Testing - (0 – 300) V NOJA-3331  
 Current Testing - (0 – 30) A  
 Phase Angle Testing - (0 – 360) °  
 Frequency Testing - (0 – 10) kHz

**Simulated Surge Arrestor Operation<sup>2</sup>**

Up to 7kA, 160kV IEC 62271-111

**Time-Current Tests**

Up to 16 kA IEC 62271-111

**Protocol Testing**

IEC 61850 Ed 2.0 & Ed 2.1, Parts 6, 7-1, 7-2, 7-3, 7-4, and 8-1

**MECHANICAL****Test Type/Technology:****Test Methods<sup>1</sup>:****Environmental Chamber<sup>2</sup>**

(Cold, Dry and Damp Heat Cycle) IEC 60068-2-1; IEC 60068-2-2;  
 Temperature: (-65 to +110) °C IEC 60068-2-30  
 Relative Humidity: (10 to 95) %

**Mechanical Operation**

IEC 62271-1;  
 IEC 62271-100, -103, -111

**Temperature Rise / Continuous Current**

Single-phase / Three-phase up to IEC 62271-1; IEC 61869-1, -3;  
 3000 A, 50/60 Hz IEC 62271-100, -103, -111; IEC 60137

**Salt Fog (1000 Hr)<sup>2</sup>**

Test Voltage: (2 to 30) kV IEC 62217

**Degrees of Protection Against Mechanical Impacts (IK)<sup>2</sup>**

IK 08, IK 09, IK 10 IEC 62262; IEC 60068-2-75 clause 5

**Types of products, materials, and/or industry that the laboratory tests:**

Testing Products  
 Automatic Circuit Reclosers  
 Circuit Breakers  
 Disconnectors  
 Load Break Switches  
 Voltage Transformers  
 Insulated Bushings  
 Measuring / Protection Relays  
 Enclosures

<sup>1</sup> When the date, edition, version, etc. is not identified in the scope of accreditation, laboratories may use the version that immediately precedes the current version for a period of one year from the date of publication of the standard test method, per Annex A, Part C of A2LA R101 - *General Requirements: Accreditation of Conformity Assessment Bodies*.

<sup>2</sup> Also using customer specifications directly related to the types of test parameters listed above.



## Accredited Laboratory

A2LA has accredited

### **NOJA POWER SWITCHGEAR PTY LTD**

*Brisbane, AUSTRALIA*

for technical competence in the field of

### Electrical 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 9<sup>th</sup> day of June 2025.

A blue ink signature of Mr. Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 6056.01  
Valid to January 31, 2027

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