

Test Report

Number 103521

Apparatus 5000 A, 415 V / 415 V (U_e/U_i), 50 Hz, switchgear and controlgear assembly comprising a three-phase and neutral horizontal and vertical busbar system, one incoming 3 pole air circuit-breaker unit, one incoming 3 pole air circuit-breaker generator unit, fourteen outgoing MCCB units and a protective circuit.

The assembly has an aluminium enclosure and is suitable for indoor use.

Designation 5000A modular LV Switchboard.

Manufacturer Price Trandos Engineering Pty Ltd
31 Prosperity Avenue, Wangara WA 6065 Australia

Client Price Trandos Engineering Pty Ltd
31 Prosperity Avenue, Wangara WA 6065 Australia

Dates of Tests 7 to 10 September 2015

The apparatus, constructed in accordance with the description, drawings and photographs incorporated in this Test Report has been tested in accordance with:
AS/NZS 3439.1: 2002, Clause 8.2.1

Tests

Verification of temperature-rise limits Clause 8.2.1

Rated current of the assembly and incoming 5000 A ACB in Module 8 : In = 5000 A Air Forced Ventilation
3900 A Air Natural Ventilation

Rated current of the assembly and incoming Generator 5000 A ACB in Module 10 : In = 4500 A Air Forced Ventilation
3800 A Air Natural Ventilation

Rated diversity factor of outgoing units : 0.6

Outgoing MCCB units
Modules 1, 3, 4, 16, 17 and 18 : In = 250 A, test current 150 A
Modules 5, 6, 7, 21, 22 and 23 : In = 630 A, test current 378 A
Modules 11 and 13 : In = 1000 A, test current 600 A

Results

The assembly withstood the above temperature rise tests in accordance with Clause 8.2.1 of AS/NZS 3439.1: 2002. See Test Record pages for results.

This Test Report applies only to the apparatus tested. The responsibility for conformity of any apparatus having the same designations with that tested rests with the manufacturer. Only reproduction of this entire document is permitted without written permission from Ausgrid Testing & Certification, 18 Mars Road, Lane Cove West, NSW, 2066, Australia.
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This Test Report comprises 40 pages, 24 photographs and 2 drawings

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28/10/2015

Date of Issue

