

Test Report

Number 103518A

Apparatus 4000 A, 415 V / 415 V (U_e/U_i), 50 Hz, switchgear and controlgear assembly comprising a three-phase and neutral horizontal and two vertical busbar systems, one incoming 3 pole air circuit-breaker unit, eighteen outgoing MCCB units and a protective circuit.
The assembly has an aluminium enclosure and is suitable for indoor use.
4000A modular LV Switchboard

Designation
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 27 August to 8 September 2015

The apparatus, constructed in accordance with the description, drawings and photographs incorporated in this Test Report has been tested generally* in accordance with:

AS/NZS 3439.1: 2002, Clause 8.2.1

* See Test Condition 12

Tests

Verification of temperature-rise limits

Rated current of the assembly and incoming 4000 A ACB in Module 23,
and associated copper connection phase bars : InA = 3600 A Air Forced Ventilation
= 2500 A Air Natural Ventilation

Rated diversity factor : 0.7

400 A outgoing MCCB units, Modules 13, 14, 15 : In = 400 A, test current 280 A
250 A outgoing MCCB units, Modules 18, 19, 20 : In = 250 A, test current 175 A

Results

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

This test report cancels and supersedes Ausgrid Test Report No. 103518 issued on 28 October 2015 to correct the LHS vertical busbar dimensions in the report.

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 28 pages, 18 photographs and 2 drawings

M. A. Carstedt

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Authorised Signatory

[Signature]

Manager - LCTS

4/11/2015

Date of Issue

