

Test Report

Number 103528A

Apparatus

Four compartments of a 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 pc air circuit-breaker unit, eighteen outgoing MCCB units and a protective circuit. The assembly has an aluminium enclosure and is suitable for indoor use.

Designation

4000A 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

31 August to 3 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, Annex ZD

* See Test Conditions 3 and 4

Tests

Arcing-Fault Tests Annex ZD

Operator protection and assessment of suitability for further service

Special test - : 70 kA rms at 415 V, pf = 0.2
Module 4, 400 A MCCB cable compartment

Standard tests - : 70 kA rms at 415 V, pf = 0.2
Module 18, 250 A MCCB compartment
Module 14, 400 A MCCB compartment
Module 13, 630 A MCCB compartment

Results

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

This test report cancels and supersedes Ausgrid Test Report No. 103528 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 design 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. Telephone 61 (0)2 9424 3600, Facsimile 61 (0)2 9428 2645.

This Test Report comprises 13 pages, 1 diagram, 5 oscillograms, 15 photographs and 2 drawings



M. A. Carstelt
Authorised Signat



Manager - LC



4/11/2015

Date of Iss

