

Test Report

Number 103529A

Apparatus

The main horizontal and vertical phase busbars 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 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

7 and 8 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 8.2.3

Tests

Short-circuit withstand strength tests

| | |
|---|-----------------------------------|
| Main horizontal phase busbars 2 x 100mm x 10mm copper bars | : 36 kA rms for 1 s, 75.6 kA peak |
| RHS vertical phase busbars 1 x 32mm x 6.3mm copper bars | : 36 kA rms for 1 s, 75.6 kA peak |

Results

The main horizontal and RHS vertical phase busbars of the assembly withstood the above tests in accordance with Clause 8.2.3 of AS/NZS 3439.1: 2002, see Test Record pages for more details.

This test report cancels and supersedes Ausgrid Test Report No. 103529 issued on 28 October 2015 to correct the RHS 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 9 pages, 1 diagram, 2 oscillograms, 7 photographs and 2 drawings

M. A. Carstedt

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Authorised Signatory

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Manager - LCTS

4/11/2015

Date of Issue