

Test Report

Number 103470



Apparatus Seven outgoing modules of a 415 V/415 V (Ue/Ui) 50 Hz, switchgear and controlgear assembly incorporating one incoming MCCB module, one incoming/outgoing MCCB module, sixteen outgoing MCCB modules, three-phase and neutral busbar systems and a protective circuit in an aluminium enclosure.

Designation Cape Lambert Prototype

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 3 to 6 February 2015

The apparatus, constructed in accordance with the description, drawings and photographs incorporated in this Test Report has been tested generally* in accordance with:
Australian Standard 3439.1:2002 Annex ZD and Client's instructions
* See Test Conditions 3, 4 and 5.

Internal arcing-fault tests (Annex ZD)

Standard internal arcing fault tests

Outgoing MCCB modules : 50 kA rms at 415 V, 0.25 pf

630A MCCB - vertical module 14
250A MCCB - vertical module 4
250A MCCB - horizontal module 8
250A MCCB - horizontal module 10
630A MCCB - horizontal module 22
400A MCCB - horizontal module 19
1250A MCCB - vertical module 12

Special internal arcing fault tests

Busbar modules : 50 kA rms at 415 V, 0.25 pf

Vertical busbar compartment - vertical module 7
Horizontal busbar compartment - horizontal module 23

Conclusion

The seven outgoing MCCB modules subjected to the standard internal arcing fault tests and the two busbar compartment modules subjected to the special internal arcing fault tests withstood the tests for operator protection in accordance with Annex ZD of AS 3439.1. All compartments tested also met the requirements for suitability for further service of circuits and compartments other than those tested.

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 17 pages, 1 diagram, 10 oscillograms, 55 photographs and 2 drawings.

M. A. Carstedt

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Authorised Signatory

M. P. [Signature]

Manager - LCTS

24/3/15

Date of Issue



Accredited for compliance with ISO / IEC 17025. Accreditation Number 62. The results of the tests, calibrations and or measurements included in this document are traceable to Australian / national standards