

Test Report

Number 103469



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

Designation Perth Airport 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 and 4.

Internal arcing-fault tests (Annex ZD)

Standard internal arcing fault tests

Outgoing MCCB modules

: 50 kA rms at 415 V, 0.25 pf

Outgoing 250A MCCB - vertical module 2
Outgoing 630A MCCB - vertical module 4
Outgoing 1000A MCCB - vertical module 6
Outgoing 630A MCCB - vertical module 13
Outgoing 250A MCCB - horizontal module 10
Outgoing 630A MCCB - horizontal module 18
Outgoing 250A MCCB - vertical module 17
Outgoing 250A MCCB - horizontal module 9
Outgoing 630A MCCB - horizontal module 19

Conclusion

The nine outgoing MCCB modules subjected to the standard internal arcing fault tests withstood the test operator protection in accordance with Annex ZD of AS 3439.1. The outgoing unit compartments tested 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 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.
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This Test Report comprises 19 pages, 1 diagram, 11 oscillograms, 55 photographs and 2 drawings.

M. A. Carstedt

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Authorised Signatory

M. W. [Signature]

Manager - LC

5/3/2015

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