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Test Report

Number 101566

Testing & Certification Australia

Apparatus	415 V/690 V (Ue/Ui), 50Hz, three-phase main vertical busbars and horizontal neutral busbar of a switchgear and controlgear assembly. Designated by the Client as Main Switchboard Riser Busbar and Feeder Module 1600 A.
Manufacturer	Price Trandos Engineering Pty. Ltd., 11 Agett Road, Malaga, Perth Western Australia, 6090
Client	Price Trandos Engineering Pty. Ltd., 11 Agett Road, Malaga, Perth Western Australia, 6090
Dates of Tests	13 and 14 September 2002

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

Australian Standard 3439.1 : 2002, Clauses 8.2.2 and 8.2.3.

Tests

Dielectric properties (Clause 8.2.2)

Insulation voltage of the main busbars : 690 V

Short-circuit withstand strength (Clause 8.2.3)

Short-time and Peak Withstand Current (Clauses 8.2.3.2.3 b & d)

Main vertical phase busbars : 63 kA rms for 1 s, 139 kA peak
(1-60 mm X 10 mm Cu busbars)

Main horizontal neutral busbar : 37.8 kA rms for 1 s, 79.4 kA peak
(1-50 mm X 6.3 mm Cu busbar)

Conclusion

The main vertical phase and horizontal neutral busbars withstood the tests.

This Test Report comprises 9 pages, 1 diagram, 2 oscillograms, 3 photographs and 1 drawing

S J Hughes

S. J. Hughes
NATA Signatory

Manager - Testing

Date of Issue