

**ASTA CERTIFICATION SERVICES**

(Incorporated in the year 1938)

ASTA House, Chestnut Field, Rugby, CV21 2TL, England

Laboratory Ref. No. 101615AC

**CERTIFICATE OF TYPE TESTS**

**APPARATUS:** 5000 A, 415 V/690 V/6 kV (Ue/Ui/Uimp), 50Hz, three-phase and neutral horizontal and vertical busbars, one incoming ACB unit, three ACB outgoing units, 1 MCCB outgoing unit and the protective circuit of a switchgear and controlgear assembly

**DESIGNATION:** CT-50 LV Switchboard

**MANUFACTURER:** Coppertech Sdn. Bhd.  
Lot 3520, Jalan Besar, Sungai Choh, 48000 Rawang  
Selangor Darul Ehsan, Malaysia

**TESTED BY:** Testing & Certification Australia  
18 Mars Road Lane Cove NSW 2066 Australia

**DATE(S) OF TESTS:** 16 January to 12 February 2003

The apparatus, constructed in accordance with the description, drawings and photographs incorporated in this certificate has been subjected to the series of proving tests in accordance with

IEC Publication 60439-1 : 1999 and BS EN 60439-1 : 1999  
Clauses 8.2.1, 8.2.2, 8.2.3, 8.2.4, 8.2.5, 8.2.6 and 8.2.7.

The results are shown in the record of Proving Tests and the oscillograms attached hereto. The values obtained and the general performance are considered to comply with the above Standard(s) and to justify the ratings assigned by the manufacturer as stated below.

For ratings assigned by the manufacturer and proved by the tests see page 1.

The record of Proving Tests applies only to the apparatus tested. The responsibility for conformity of any apparatus having the same designations with that tested rests with the Manufacturer.

This Certificate comprises 50 pages, 2 diagrams, 24 oscillograms, 33 photographs, 12 drawings and no other sheets, as detailed on page 2.

Only integral reproduction of this Certificate, or reproductions of this page accompanied by any page(s) on which are stated the assigned rated characteristics of the apparatus tested, are permitted without written permission from ASTA Certification Services, ASTA House, Chestnut Field, Rugby, CV21 2TL England. (see overleaf)



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*M.A. Carstedt* M. A. Carstedt  
ASTA Observer

*M.J. Hanson*  
Director

12<sup>th</sup> August 2003 Date