

ASTA Certificate of Verification Tests

Laboratory Ref. No: ASTA 45123E

Apparatus: 5000A, 415V/690V/8kV (Ue/Ui/Uimp), 50Hz low-voltage switchgear and controlgear assembly comprising: three phase & neutral main horizontal busbars, protective circuit, and incoming 5000A ACB and connections.

Designation: 5000A Switchboard

Manufacturer: Alan Electrical Limited
Unit A, Caxton Court, Porters Wood, St Albans, Hertfordshire AL3 6XT. UK

Tested By: Institut 'Pruffeld Fur Elektrische Hochleistungstechnik' GmbH (IPH)
Landsberger Allee 378, D-12861 Berlin, Germany
Schneider Electric Ltd, Stirling Court, Stirling Road, Swindon, SN3 4TQ.
Alan Electrical Limited, Unit A, Caxton Court, Porters Wood, St Albans, Hertfordshire AL3 6XT. UK

Date(s) of tests: June 2010 to February 2012

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 61439-2: Edition 1.0 2009-01

Verifications with reference the tests listed in Annex D:

- | | |
|---|--|
| no. 1: materials, lifting, impact and marking | no. 8: dielectric properties |
| no. 2: degree of protection | no. 9: temperature-rise |
| no. 3: clearances and creepage distances | no. 10: short-circuit withstand strength |
| no. 4: protection against electric shock | no. 11: EMC compatibility |
| nos. 5/6/7: no verification by testing required | no. 12: mechanical operation |

Refer to pages A to C for ratings

The results are shown in the record of Proving Tests attached hereto. The values obtained and the general performance is considered to comply with the above Standard(s) and to justify the ratings assigned by the manufacturer as stated on the ratings page(s). This Certificate applies only to the apparatus tested. Responsibility for conformity of any apparatus having the same or other designations rests with the Manufacturer.

This Certificate comprises this front sheet, 3 ratings pages plus 80 other pages as detailed on pages D & E. Only integral reproductions of this whole Certificate or reproductions of this page accompanied by any ratings pages are permitted. To confirm authenticity or for any information regarding ASTA Certificates contact: asta@intertek.com Tel: +44 (0)1788 578435,

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P. Jones Certification
Manager

14TH MARCH 2014 Date