

ASTA CERTIFICATE

Laboratory Ref. No. 102768

CERTIFICATE OF INTERNAL FAULT TESTS

APPARATUS: 3200 A, 415 V / 690 V / 6 kV ($U_n = U_e/U_i/U_{imp}$) 50 Hz, IP43, Form 4b power switchgear and controlgear (PSC Assembly) incorporating three-phase and neutral horizontal and vertical busbar systems, one incoming ACB, three outgoing MCCB units and a protective circuit.

DESIGNATION: 3200 A MSB

MANUFACTURER: Elecol Switchgear Sdn Bhd
Lot 6, Jalan 6/2, Kawasan Perusahaan
Seri Kembangan 43300 Seri Kembangan Selangor Darul Ehsan
Malaysia

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

DATE(S) OF TESTS: 8 and 9 March 2010

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/TR 61641 : 2008 Edition 2.0 Clauses 6, 7 and 8 applying criteria 1 to 5

The results are shown in the record of Proving Tests and the oscillograms 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 below.

Internal fault tests to assess personal protection

Permissible conditional short-circuit current
under arcing conditions ($I_{pc arc}$) : 50 kA rms at 415 V, pf =0.25

Permissible current under arcing conditions ($I_{p arc}$)
for a Permissible arc duration (t_{arc}) : 50 kA rms for 0.3 s at 415 V

See page 1 for full details of ratings assigned by the manufacturer and proved by tests.

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 21 pages, 1 diagram, 12 oscillograms, 38 photographs, 13 drawings and no other sheets, as detailed on page 1.

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 Intertek, Hilton House, Corporation Street, Rugby, CV21 2DN United Kingdom.
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P. J. Ryan
P. Hayward

P. J. Ryan
ASTA Observer

Certification
Manager

25th August 2010

Date