

ASTA REPORT



Project Number: S230034 **Report No:** 230300005SGP-001

Apparatus:
3200A, 690V/415V/1000V/12kV ($U_n/U_e/U_i/U_{imp}$), 50Hz, IP43, Form 4b PowerSwitchgear and Controlgear Assembly (PSC-Assembly) incorporating three phase with neutral bare copper conductor main busbar. One incoming ACB distribution circuit and protective earth busbar at bottom. The PSC-Assembly is naturally ventilated with top capped chimney suitable for indoor application and has a metallic enclosure.

Designation: MSB 3200A
Manufacturer: VietPower
Tested By: China National Quality Supervision and Testing Center for Smart Grid Transmission and Distribution Products (CEST)
No.68 Xihu East Road, Shilong Town, Dongguan City, Guangdong Province, People's Republic of China.
Date(s) of tests: 21 February 2022 to 22 February 2022

The apparatus, constructed in accordance with the description, drawings and photographs attached hereto, has been examined in accordance with:

IEC TR 61641 Edition 3.0 2014-09, Clauses 6, 7, 8 applying Criteria 1 to 7 for the test on main horizontal busbars & the supply side of the incoming 3200A ACB.

Internal arc fault tests to assess an assembly providing personnel protection for the horizontal busbars and assembly protection with limited operation capability for the supply side of the ACB under specified arcing conditions.

Test under conditions of arcing due to internal fault initiated at following points:

Horizontal busbars (Shorting at: point B marked on drawing), (Ip arc) & (tarc): 85kA rms; 0.4s; 415V~.

Supply side of incoming busbars of 3200A ACB (Shorting at point C marked on drawing, (p arc) & (tarc): 85kA rms; 0.4s; 415V~.

This is not a certificate of rating

A certificate of rating was not issued as the arc fault tests to IEC/TR 61641 Edition 3.0, do not establish a rating and only selected tests were performed.

The documents forming this Test Report are:

- (1) Record of proving tests: Pages 7, 8 & 9
- (2) Diagram nos: 12 & 13
- (3) Oscillogram nos: 14, 15, 16 & 17
- (4) Photograph nos: 18
- (5) Drawing nos: 19, 20, 21, 22, 23 & 24

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

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Digitally signed by TH Wong
Location: Intertek Testing Services (Singapore) Pte Ltd
Adobe Acrobat version: 11.9.22

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01 November 2023

ASTA Observer
Wong Tuck Hoong

Reviewed by
David Sim

Date

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