

# ASTA Certificate of Verification Tests

Laboratory Ref. No.: WO-1718-019553

- APPARATUS:** 2500A, 415V/500V/6kV ( $U_e/U_i/U_{imp}$ ), 50Hz extendable power switchgear and controlgear assembly incorporating a three-phase and neutral horizontal and vertical aluminum PVC sleeved busbar system with one incoming ACB unit, one outgoing star-delta starter feeder unit, one outgoing DOL starter feeder units, six outgoing MCCB feeder unit and a protective circuit.  $U_{imp}/U_i = 12kV/1000V$  for incoming ACB unit, horizontal and vertical busbars,  $U_{imp}/U_i = 8kV/800V$  for outgoing MCCB units,  $U_{imp}/U_i = 6kV/690V$  DOL and star delta starters,  $U_{imp}/U_i = 6kV/500V$  for auxiliary circuits.
- DESIGNATION:** SAMSET
- MANUFACTURER:** Samcon industrial controls p. Ltd,  
Plot no. 20,22,23 survey no. 165a/2 & 3, nh-3, Village-asangaon, taluka-shahapur  
Dist-thane – 421 601, India.
- TESTED BY:** Electrical Research & Development Association  
ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, Gujarat, INDIA
- DATE(S) OF TESTS:** 22<sup>nd</sup> February 2018 to 30<sup>th</sup> June 2018

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 2.0 2011-08 and BS EN 61439-2:2011

Verifications with reference to the tests listed in Annex D of IEC 61439-1 Edition 2.0 2011-08.

- |                                       |   |
|---------------------------------------|---|
| 1: Strength of material and parts     | 9: Dielectric properties                |
| 2: Degree of protection of enclosures | 10: Temperature-rise limits             |
| 3: Clearances                         | 11: Short-circuit withstand strength    |
| 4: Creepage distances                 | 12: Electromagnetic compatibility (EMC) |
| 5: Protection against electric shock  | 13: Mechanical operation                |

6/7/8: No verification by testing required

**For ratings assigned by the manufacturer and proved by the tests see pages A to E**

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, 6 ratings pages, plus 205 other pages and 12 drawings as detailed on page 10

Only integral reproductions of this whole certificate or reproductions of this page accompanied by any ratings pages are permitted.

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ASTA Observer

\_\_\_\_\_  
Certification  
Manager

\_\_\_\_\_  
Date