

ASTA Certificate

of Verification Tests

Laboratory Ref. No.: No: R415-1738

APPARATUS:

4000 A, 415 V / 690 V / 8 kV ($U_n = U_e / U_i / U_{imp}$), 50/60 Hz, non-extendable, Form 4b Power Switchgear and Controlgear Assembly (PSC-Assembly) comprising three phase & neutral main horizontal busbars, a protective conductor, one 4000 A incoming ACB and three outgoing functional units comprising: 1 ACB and 2 MCCBs.

The PSC-Assembly is suitable for indoor use and has a metallic enclosure.

DESIGNATION:

4000A MSB

MANUFACTURER:

Elecol Switchgear Sdn. Bhd. Lot6, Jalan 6/2, Kawasan Perusahaan Seri Kembangan, 43300 Seri Kembangan, Selangor, Malaysia.

TESTED BY:

Power Testing and Technology institute (PT & T), LS Industrial Systems Co. Ltd., 68, Wolmyeong-ro #201, Heungdeok-gu, Cheongju-si, Chungcheongbuk-do, 361-720, Korea.

DATE(S) OF TESTS:

17th August to 28th September 2015

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

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 and integrity of protective circuits | 13: Mechanical operation |

6/7/8: No verification by testing required

For ratings assigned by the manufacturer and proved by the tests see pages 1 to 3

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, 4 rating pages, plus 119 other pages and 12 drawings as detailed on pages 5 to 9.

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

Issued by: Intertek (ASTA office), Centre Court, Meridian Business Park, Leicester, LE19 1WD, United Kingdom. Contact: asta@intertek.com Tel: +44 (0)116 263 0330



010

Pat Gibbons
Pat Gibbons
ASTA Observer

C. Nickerson
Certification
Manager

10th May 2016 Date