

# ASTA Certificate

## of Selected Verification Tests

Laboratory Ref. No: 2670.2090803.0971

**APPARATUS:** 1600 A / 415 V / 690 V / 6 kV ( $I_{nA}$  /  $U_e$  /  $U_l$  /  $U_{imp}$ ), 50 Hz power switchgear and controlgear assembly consisting of: a three-phase and neutral main busbar system, a three-phase and neutral distribution busbar system, a protective busbar, an incoming unit with ACB, three outgoing units with MCCB

**DESIGNATION:** MDB – 1600A

**MANUFACTURER:** Ercon Middle East Industries F.Z.E.  
P.O. Box 3026, Ajman Free Zone, AJMAN, UNITED ARAB EMIRATES

**TESTED BY:** Institut „Prüffeld für elektrische Hochleistungstechnik“ GmbH  
Landsberger Allee 378A, 12681 Berlin, GERMANY

RST Rail System Testing GmbH  
Am Rathenaupark, 16761 Hennigsdorf, GERMANY

**DATE(S) OF TESTS:** 14 December 2009 to 23 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 61439-2: Edition 1.0 2009-01

#### Verifications with reference to the tests listed in Annex D:

- |                                      |                                      |
|--------------------------------------|--------------------------------------|
| 1: strength of materials and parts   | 8: dielectric properties             |
| 2: degree of protection              | 9: temperature-rise                  |
| 3: clearances and creepage distances | 10: short-circuit withstand strength |
| 4: protection against electric shock | 12: mechanical operation             |

#### Refer to pages 1 and 2 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, 2 rating pages plus 96 other pages as detailed on pages 4 and 5.

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

Issued by Intertek, Hilton House, Corporation Street, Rugby, CV21 2DN England.

Contact: [asta@intertek.com](mailto:asta@intertek.com) Tel: +44 (0)1788 578435



*J. Haring*  
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*P. Gillson*  
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ASTA Observer  
J. Haring

Certification Manager

12<sup>TH</sup> AUGUST 2010 Date

