

**TYPE TEST CERTIFICATE OF COMPLETE TYPE TESTS**

|                         |   |                                   |           |
|-------------------------|---|-----------------------------------|-----------|
| <b>APPARATUS</b>        | A three-phase dry-type distribution transformer                                   |                                   |           |
| <b>DESIGNATION</b>      | ES-1500-11-6  | <b>SERIAL No.</b>                 | 09-015-01 |
|                         | <b>Rated power</b>  | 1500 kVA                          |           |
|                         | <b>Rated voltage</b>  | 11 kV $\pm 2 \times 2,5\%$ / 400V |           |
|                         | <b>Connection symbol</b>  | Dyn11                             |           |
|                         | <b>Rated frequency</b>  | 50 Hz                             |           |
| <b>MANUFACTURER</b>     | Elsewedy Transformers,<br>10th Ramadan City , Egypt                               |                                   |           |
| <b>TESTED FOR</b>       | Elsewedy Transformers,<br>10th Ramadan City , Egypt                               |                                   |           |
| <b>TESTED BY</b>        | KEMA HIGH-POWER LABORATORY<br>Utrechtseweg 310 - 6812 AR Arnhem - The Netherlands |                                   |           |
| <b>DATE(S) OF TESTS</b> | 16, 17, 26 March, 14, 18, 19 and 20 May 2009                                      |                                   |           |

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 60076**

This Type Test Certificate has been issued by KEMA following exclusively the STL Guides.

**The results are shown in the record of Proving Tests and the oscillograms attached hereto. The values obtained and the general performance are considered to comply with the above Standard and to justify the ratings assigned by the manufacturer as listed on page 4 and the dynamic ability to withstand short-circuits.**

This Certificate 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 consists of 47 sheets in total.

This Certificate falls under the scope of the accreditation certificates L 020 and L 218 of the Dutch Council for Accreditation. See information sheet (page 2).

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The sealed and bound version of the Certificate is the only valid version.

KEMA Nederland B.V.



P. G. A. Bus  
KEMA T&D Testing Services  
Managing Director

Arnhem, 10 August 2009