

# KEMA TYPE TEST CERTIFICATE OF SHORT-CIRCUIT PERFORMANCE

<b>Object</b>	A three-phase cast-resin distribution transformer	<b>2172-15</b>
<b>Type</b>	TREF-DRY 33/1250	<b>Serial No.</b> 209895
Rated power	1250 kVA	
Rated voltage	33 kV +1 x 2,5%, -3 x 2,5% / 0,400 kV	
Connection symbol	Dyn11	
Rated frequency	50 Hz	
<b>Manufacturer</b>	Elkima Elektrik İnşaat Taahhüt Ticaret ve Sanayi Ltd. Şti., Izmir, Turkey *)	
<b>Client</b>	Elkima Elektrik İnşaat Taahhüt Ticaret ve Sanayi Ltd. Şti., Izmir, Turkey	
<b>Tested by</b>	KEMA Nederland B.V., Arnhem, The Netherlands	
<b>Date of tests</b>	26 March to 24 June 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 60076-11 (2004)

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 with respect to the dynamic ability to withstand short-circuits.

This Certificate applies only to the object tested. The responsibility for conformity of any object having the same type references as that tested rests with the Manufacturer.

\*) as declared by the manufacturer

This Certificate consists of 54 pages in total.

KEMA Nederland B.V.



J.P. Fonteijne  
Executive Vice President  
KEMA Laboratories



**KEMA**

**Laboratories**

Arnhem, 2 June 2016