

KEMA TYPE TEST CERTIFICATE OF SHORT-CIRCUIT PERFORMANCE

Object A three-phase oil-immersed power transformer **2101-18**

Type PTR 125000/420G **Serial No.** 50193

Rated power 125 MVA
 Rated voltage 400 kV ± 12 x 1,25% / 33,6 kV
 Connection symbol YNd11
 Rated frequency 50 Hz

Manufacturer Astor Transformatör,
 1.OSB Anadolu Cad. No: 6 Sincan / Ankara, Turkey *)

Client Astor Transformatör,
 1.OSB Anadolu Cad. No: 6 Sincan / Ankara, Turkey

Tested by DNV GL Netherlands B.V.,
 Arnhem, the Netherlands

Date of tests 6 April and 18 to 21 June 2018

The object, 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 60076-5:2006

This Certificate has been issued by DNV GL 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 119 pages in total.

DNV GL Netherlands B.V.



J.P. Fonteijne
 Executive Vice President
 KEMA Laboratories



Laboratories Arnhem, 31 July 2018