

# Type Test Certificate

## of Short-Circuit Performance

Test object	Three-phase two-windings oil-immersed power transformer 63 MVA 132 / 23 (11) kV
Designation	Oil immersed transformer Rated power 63 MVA ; Rated voltages 132/23 kV ; Rated frequency 50 Hz
Manufacturer	ABB Ltd. Hanoi Vietnam
Tested for	ABB Ltd. Hanoi Vietnam
Date(s) of tests	May 11, 2017 to October 31, 2017
Tested by	CESI S.p.A. Via Rubattino 54 20134 Milano, Italy .

The test object, constructed in accordance with the description, drawings and photographs incorporated in this document has been subjected to the series of proving tests in accordance with STL Guides and:

IEC 60076-5 (February 2006)  
Clause 4.2

This Type Test Certificate has been issued by CESI 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(s) and to justify the ratings assigned by the Manufacturer as listed on the ratings page. The Certificate applies only to the test object. The responsibility for conformity of any equipment having the same designations with that tested rests with the Manufacturer.

This Certificate comprises 7 sheet in total.

February 15, 2018

Date of issue

Faccheni Fabio  
B8003335 3061 AUT  
STL Member Laboratory

The Manager - Arcidiaco Lorenzo  
B8003335 821814 APP  
STL Member

Document Digitally Signed

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