

# Type Test Certificate

## of Short-Circuit Performance

Test object	Three-phase oil-immersed power transformer, for continuous duty, with external cooling by air natural convection
Designation	ONAN (Amorphous) Rated power 300 kVA ; Rated voltages 24/0,416 kV ; Rated frequency 50 Hz
Manufacturer	QTC Energy Public Company Limited 2/2 SOI KRUNGTHEPKRITHA 8(5), KRUNGTHEP KRITHA RD., HUAMARK, BANGKAPI, BANGKOK 10240 THAILAND
Tested for	QTC Energy Public Company Limited 2/2 SOI KRUNGTHEPKRITHA 8(5), KRUNGTHEP KRITHA RD., HUAMARK, BANGKAPI, BANGKOK 10240 THAILAND
Date(s) of tests	from May 17, 2017 to May 23, 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 60076-1 (2011-04), clauses 11.2 to 11.5  
IEC 60076-3 (2013-07), clauses 10 and 11.2  
IEC 60076-5 (2006-02), 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 5 sheet in total.

March 14, 2018

Magistris Paolo  
B8005586 3845 AUT

The Manager - Arcidiaco Lorenzo  
B8005586 821814 APP

Date of issue

STL Member Laboratory

STL Member Document Digitally Signed

Only integral reproduction of this Certificate, or reproductions of this page accompanied by any page(s) on which are stated the endorsed ratings of the test object, are permitted without written permission from CESI.  
The authenticity of this document is guaranteed by the integrity of hologram.

