

Scope of Accreditation for Testing

Certificate No. 20T117/1095

Laboratory Name G.K. Power Products Company Limited
 Address 9 Moo 2, Krungthep-Bangkrui Road, Mahasawat, Bangkrui, Nonthaburi
 Accreditation No. TESTING 0633
 Laboratory Status Permanent Site Temporary Mobile

Field of Testing	Parameter	Test Method
Electrical field 1. Surge arresters : Metal - oxide surge Arresters without gaps for a.c. systems - Rated Voltage (Ur) 3 kVrms - 30 kVrms - Nominal discharge current (In) 5 kA, 10 kA Line discharge Class 2 and 10 kA Line discharge Class 3 - Rated Frequency 50 Hz	- Lightning impulse residual voltage test - Measurement of power-frequency voltage on the complete arrester at the reference current - Internal partial discharge test	- TIS 2366-2551
2. Surge arresters : Metal - oxide surge Arresters without gaps for a.c. systems - Rated Voltage (Ur) 3 kVrms - 30 kVrms - Nominal discharge current (In) 5 kA, 10kA Line discharge Class 2 and 10 kA Line discharge Class 3 - Rated Frequency 50 Hz	- Lightning impulse residual voltage test - Measurement of power-frequency voltage on the complete arrester at the reference current - Internal partial discharge test	- IEC 60099-4 edition 2.1 (2006-07) - IEC 60099-4 edition 2.2 (2009-05)

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Field of Testing	Parameter	Test Method
<p>Electrical field</p> <p>3. Surge arresters : Metal - oxide surge Arresters without gaps for a.c. systems</p> <ul style="list-style-type: none"> - Rated Voltage (Ur) 3 kVrms - 30 kVrms - Nominal discharge current (In) 5 kA, 10 kA Line discharge Class 2 and 10 kA Line discharge Class 3 - Rated Frequency 50 Hz <p>4. Low voltage surge arrester</p> <ul style="list-style-type: none"> - Voltage reference (Uref) 400-900 Vac - Reference current (Iref) 1.0 mA - Nominal discharge current (In) 5 kA - Continuous operating current (Ic) 0.0-0.6 mA - Rated Voltage (Ur) 400-500 Vac - Rated Frequency 50 Hz 	<ul style="list-style-type: none"> - Lightning impulse residual voltage test - Measurement of power-frequency voltage on the arrester at the reference current - Internal partial discharge test - Measurement of continuous operating current (Ic) at maximum continuous operating voltage (Uc) - Measurement of reference voltage (Uref) at reference current (Iref) 	<ul style="list-style-type: none"> - IEC60099-4 edition 3.0 (2014-06) - IEC 60099-4 edition 2.1 (2006-07) - IEC 60099-4 edition 2.2 (2009-05)

Issue date 25th June B.E. 2563 (2020)

(Signature)

(Mr. Verakit Rantakittanawat)

Deputy Secretary - General

For Secretary - General

Thai Industrial Standards Institute

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Ministry of Industry, Thai Industrial Standard Institute

Translation Note: In the event of doubt or misunderstanding, the original in Thai shall be the authoritative.