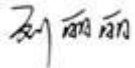
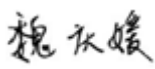




Test Report issued under the responsibility of:



TEST REPORT	
IEC 61009-1 Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs)	
Part 1: General rules	
Report Number	00901- CB2021CQC-100127
Date of issue	2022-01-10
Total number of pages	301
Name of Testing Laboratory preparing the Report	Shanghai Testing & Inspection Institute for Electrical Equipment Co.,Ltd. (STIEE)
Applicant's name	Zhejiang Tengen Electric Co.,Ltd.
Address	Sulv Industrial Area, Liushi Town, Yueqing City, Zhejiang Province, P.R.China
Test specification:	
Standard	IEC 61009-1:2010, AMD1:2012, AMD2:2013 used in conjunction with IEC 61009-2-2:1991
Test procedure.....	CB Scheme
Non-standard test method.....	N/A
Test Report Form No.	IEC61009_1F
Test Report Form(s) Originator	OVE
Master TRF	Dated 2019-10-15
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If this Test Report Form is used by non-IECEE members, the IECEE/IEC logo and the reference to the CB Scheme procedure shall be removed.	
This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.	
Test item description	Residual Current Operated Circuit-breaker
Trade Mark	TENGEN
Manufacturer	Zhejiang Tengen Electric Co.,Ltd.
Model/Type reference	TGB1NLE-63Y,TGB1NLA-63Y
Ratings	See page 28

Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
<input checked="" type="checkbox"/>	CB Testing Laboratory:	Shanghai Testing & Inspection Institute for Electrical Equipment Co.,Ltd. (STIEE)
Testing location/ address		505 Wu Ning Road Shanghai P. R. China
Tested by (name, function, signature)....:		Liu Lili/Engineer 
Approved by (name, function, signature):		Wei Qingyuan/Senior Engineer 
<input type="checkbox"/>	Testing procedure: CTF Stage 1:	N/A
Testing location/ address		N/A
Tested by (name, function, signature)....:		N/A
Approved by (name, function, signature):		N/A
<input type="checkbox"/>	Testing procedure: CTF Stage 2:	
Testing location/ address		
Tested by (name + signature)		
Witnessed by (name, function, signature)		
Approved by (name, function, signature):		
<input type="checkbox"/>	Testing procedure: CTF Stage 3:	
<input type="checkbox"/>	Testing procedure: CTF Stage 4:	
Testing location/ address		
Tested by (name, function, signature)....:		
Witnessed by (name, function, signature)		
Approved by (name, function, signature):		
Supervised by (name, function, signature)		

List of Attachments (including a total number of pages in each attachment): N/A

Summary of testing:**Tests performed (name of test and test clause):**

Type No.	Characteristics	Number of Poles	Rated Current	Rated Voltage	I Δ n	Test Sequence
TGB1NLE-63Y	D,type AC	4P	63	415V	15mA	A ₁ ,A ₂ ,B,C ₁ ,C ₂ ,D ₀ + D ₁ ,E ₀ +E ₁ ,F ₀ ,G, H,I,J
TGB1NLE-63Y	D,type AC	4P	25	415V	300mA	F ₀
TGB1NLE-63Y	D,type AC	4P	20	415V	15mA	B(9.8),C ₁ (9.10),F ₀
TGB1NLE-63Y	D,type AC	4P	6	415V	300mA	F ₀
TGB1NLE-63Y	D,type AC	3P+N	63	415V	15mA	B(9.8)
TGB1NLE-63Y	D,type AC	2P	63	240V	15mA	A ₁ ,A ₂ ,B,C ₁ ,C ₂ ,D ₀ + D ₁ ,E ₀ +E ₁ ,F ₀
TGB1NLE-63Y	D,type AC	2P	6	240V	300mA	F ₀
TGB1NLE-63Y	D,type AC	2P	63	240V	30mA	D ₀
TGB1NLE-63Y	D,type AC	2P	63	240V	50mA	D ₀
TGB1NLE-63Y	D,type AC	2P	63	240V	75mA	D ₀
TGB1NLE-63Y	D,type AC	2P	63	240V	100mA	D ₀
TGB1NLE-63Y	D,type AC	2P	63	240V	300mA	D ₀
TGB1NLA-63Y	D,type A	4P	63	415V	15mA	B(9.23),D ₀ +D ₁ ,H,I,J
TGB1NLA-63Y	D,type A	2P	63	240V	30mA	D ₀
TGB1NLA-63Y	D,type A	2P	63	240V	50mA	D ₀
TGB1NLA-63Y	D,type A	2P	63	240V	75mA	D ₀
TGB1NLA-63Y	D,type A	2P	63	240V	100mA	D ₀
TGB1NLA-63Y	D,type A	2P	63	240V	300mA	D ₀
TGB1NLE-63Y	D,type AC	2P	6	240V	15mA	E ₀
TGB1NLE-63Y	D,type AC	2P	10	240V	15mA	E ₀
TGB1NLE-63Y	D,type AC	2P	16	240V	15mA	E ₀
TGB1NLE-63Y	D,type AC	2P	20	240V	15mA	E ₀
TGB1NLE-63Y	D,type AC	2P	25	240V	15mA	E ₀
TGB1NLE-63Y	D,type AC	2P	32	240V	15mA	E ₀
TGB1NLE-63Y	D,type AC	2P	40	240V	15mA	E ₀
TGB1NLE-63Y	D,type AC	2P	50	240V	15mA	E ₀
TGB1NLE-63Y	B,type AC	2P	63	240V	15mA	B(9.8),E ₀ (9.9.2.2)
TGB1NLE-63Y	B,type AC	2P	6	240V	15mA	E ₀ (9.9.2.2)
TGB1NLE-63Y	B,type AC	2P	10	240V	15mA	E ₀ (9.9.2.2)
TGB1NLE-63Y	B,type AC	2P	16	240V	15mA	E ₀ (9.9.2.2)
TGB1NLE-63Y	B,type AC	2P	20	240V	15mA	E ₀ (9.9.2.2)
TGB1NLE-63Y	B,type AC	2P	25	240V	15mA	E ₀ (9.9.2.2)
TGB1NLE-63Y	B,type AC	2P	32	240V	15mA	E ₀ (9.9.2.2)
TGB1NLE-63Y	B,type AC	2P	40	240V	15mA	E ₀ (9.9.2.2)
TGB1NLE-63Y	B,type AC	2P	50	240V	15mA	E ₀ (9.9.2.2)
TGB1NLE-63Y	C,type AC	2P	63	240V	15mA	E ₀ (9.9.2.2)
TGB1NLE-63Y	C,type AC	2P	6	240V	15mA	E ₀ (9.9.2.2)
TGB1NLE-63Y	C,type AC	2P	10	240V	15mA	E ₀ (9.9.2.2)
TGB1NLE-63Y	C,type AC	2P	16	240V	15mA	E ₀ (9.9.2.2)
TGB1NLE-63Y	C,type AC	2P	20	240V	15mA	E ₀ (9.9.2.2)

TGB1NLE-63Y	C,type AC	2P	25	240V	15mA	E ₀ (9.9.2.2)
TGB1NLE-63Y	C,type AC	2P	32	240V	15mA	E ₀ (9.9.2.2)
TGB1NLE-63Y	C,type AC	2P	40	240V	15mA	E ₀ (9.9.2.2)
TGB1NLE-63Y	C,type AC	2P	50	240V	15mA	E ₀ (9.9.2.2)
TGB1NLG-63Y	D,type AC	2P	63	240V	15mA	B(9.23), D ₀ +D ₁ , H,I,J

Testing location:

Shanghai Testing & Inspection Institute for Electrical Equipment Co.,Ltd. (STIEE)
505 Wu Ning Road Shanghai P. R. China

Summary of compliance with National Differences

List of countries addressed: N/A

The product fulfils the requirements of _____ (insert standard number and edition and delete the text in parenthesis or delete the whole sentence if not applicable)