

# CE TEST REPORT

**Application No.:** CE2022CQC0303-013200

**Report Ref. No.:** CE-045-1C222461

**Name of product:** Miniature Circuit-breaker

**Model:** TGB1N-63,TGBH-63,TGBG-63,  
TGBG-63H,TGBG-63A,TGBG-63HA

**Name of Laboratory:** Zhejiang Testing & Inspection  
Institute for Mechanical and  
Electrical Products Quality  
Co.,Ltd.



Test Report issued under the responsibility of:

Zhejiang Testing & Inspection Institute for  
Mechanical And Electrical Products Quality  
Co.,Ltd.

<b>TEST REPORT</b> <b>IEC/EN 60898-2</b> <b>Circuit-Breakers for over current protection for</b> <b>household and similar installation</b> <b>Part 2: Circuit-breakers for AC and DC operation</b>	
<b>Report Number</b> ..... :	CE-045-1C222461
<b>Date of issue</b> ..... :	22.11.2022
<b>Total number of pages</b> .....	426 pages
<b>Name of Testing Laboratory</b> <b>preparing the Report</b> .....	<b>Zhejiang Testing &amp; Inspection Institute for Mechanical and</b> <b>Electrical Products Quality Co.,Ltd.</b>
<b>Applicant's name</b> .....	<b>Zhejiang Tengen Electrics Co.,Ltd.</b>
<b>Address</b> ..... :	Sulv Industry Zone, Liushi Town, Yueqing City, Zhejiang Province, P.R.China
<b>Test specification:</b>	
<b>Standard</b> .....	EN 60898-2:2021 in conjunction with EN 60898-1:2019
<b>Test procedure</b> .....	<del>CB</del> /CCA
<b>Non-standard test method</b> .....	N/A
<b>Test Report Form No.</b> .....	IEC60898_2C
<b>Test Report Form(s) Originator</b> .... :	OVE
<b>Master TRF</b> .....	Dated 2019-01-17
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<b>Test item description:</b>	Miniature Circuit-breaker	
<b>Trade Mark:</b>		
<b>Manufacturer:</b>	Zhejiang Tengen Electrics Co.,Ltd.	
<b>Model/Type reference:</b>	TGB1N-63,TGBH-63,TGBG-63,TGBG-63H,TGBG-63A,TGBG-63HA	
<b>Ratings:</b>	TGB1N-63,TGBH-63,TGBG-63,TGBG-63H,TGBG-63A,TGBG-63HA; Ui: 690V; Uimp: 4kV; Ue: AC220V/380V, AC230V/400V, 240V/415V(1P),AC220V/230V/240V(1P+N, 2P) , AC380V/400V/415V(2P, 3P, 3P+N, 4P),DC60V/125V(1P)( Only TGBG-63 , TGBG-63H , TGBG-63A , TGBG-63HA) ,DC110V/250V(2P)(Only TGBG-63, TGBG-63H, TGBG-63A, TGBG-63HA); In: 1A,2A, 3A, 4A, 5A, 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A; Type B,Type C ,Type D; Icn: 10000A; Ics: 7500A[Only TGBG-63, TGBG-63A: AC220V/230V/240V(2P); DC60V(1P), DC110V(2P), TGBG-63H, TGBG-63HA]; Ics=Icn: 6000A; 1P, 1P+N, 2P, 3P, 3P+N, 4P; 50/60Hz;	
<b>Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):</b>		
<input type="checkbox"/>	<b>CB Testing Laboratory:</b>	Zhejiang Testing & Inspection Institute for Mechanical and Electrical Products Quality Co.,Ltd.
<b>Testing location/ address.....:</b>		No 125 Maichouwang Road Binjiang District Hangzhou, Zhejiang, CHINA
<b>Tested by (name, function, signature).....:</b>		Qian Yuzheng (Test engineer) 
<b>Approved by (name, function, signature)....:</b>		Ma Ling (Approver) 
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 1:</b>	
<b>Testing location/ address.....:</b>		
<b>Tested by (name, function, signature).....:</b>		
<b>Approved by (name, function, signature)....:</b>		
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 2:</b>	
<b>Testing location/ address.....:</b>		
<b>Tested by (name + signature) .....</b>		
<b>Witnessed by (name, function, signature) .:</b>		
<b>Approved by (name, function, signature)....:</b>		
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 3:</b>	
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 4:</b>	
<b>Testing location/ address.....:</b>		
<b>Tested by (name, function, signature).....:</b>		
<b>Witnessed by (name, function, signature) .:</b>		
<b>Approved by (name, function, signature)....:</b>		
<b>Supervised by (name, function, signature) :</b>		