

Test Report issued under the responsibility of:



**TEST REPORT**  
**EN 60947-2**  
**Low-voltage switchgear and controlgear - Part 2: Circuit-breakers**

Report Number.....: (2023)FQIIDQCE-0331

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Name of Testing Laboratory preparing the Report.....: Fujian Inspection and Research Institute for Product Quality (FQII)

Applicant's name.....: Zhejiang Tengen Electric Co.,Ltd.

Address.....: Sulv Industrial Area, Liushi Town, Yueqing City, Zhejiang Province, P.R.China

**Test specification:**

Standard.....: EN 60947-2:2017,EN 60947-2:2017/A1:2020

Non-standard test method.....: N/A

Test Report Form No. ....: IEC60947\_2K

Test Report Form(s) Originator..: DEKRA Certification B.V.

Master TRF.....: Dated 2023-09-14

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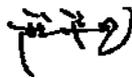
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<b>Test item description .....</b>	CBR
<b>Trade Mark(s).....</b>	TENGEN
<b>Manufacturer .....</b>	Zhejiang Tengen Electric Co.,Ltd. / Sulv Industrial Area, Liushi Town, Yueqing City, Zhejiang Province, P.R.China
<b>Model/Type reference .....</b>	TGM3L-250L, TGM3L-250M, TGM3L-250H
<b>Ratings.....</b>	Uimp:8kV;Ui:800V;Ue:AC400V; In:100A,125A,140A,160A,180A,200A,225A,250A; Type of over-current release: Thermo-magnetic, electro- magnetic; TGM3L-250L:Ics:26kA,Icu:35kA; TGM3L-250M: Ics:50kA,Icu:50kA; TGM3L-250H:Ics:50kA, Icu:65kA; I $\Delta$ n: 30mA(without time-delayed type)/ 50mA/75mA/100mA/150mA/200mA/ 300mA/400mA/500mA (Optional three by fixed steps or one fixed)/ Type AC; t $\leq$ 0.2s(without time-delayed type), $\Delta$ t:0.1s/ 0.2s/0.3s/0.4s/ 0.5s/0.6s/ 0.7s/0.8s (Time-delayed type)(Optional three by fixed steps or one fixed); Type of residual current release:Electronic; I $\Delta$ m:25%Icu; Selectivity:A; 3P,3P+N(Type A,3 protected poles with an uninterrupted neutral pole;Type D,3 protected poles with a protected uninterrupted neutral pole),4P(Type B,3 protected poles with a switched neutral pole;Type C,4 protected poles); 3P,4P:Suitable for isolation; 3P+N:Not suitable for isolation; Matching auxiliary contact FC34-250: 1NO1NC,2NO2NC,4NO4NC;lth:3A; Ui:690V; AC-15: (380/400)V/0.3A,DC-13:(220/230)V/0.15A; Electronic accessory complying with annex N: Undervoltage release:QT34-250, Us:AC(220/230)V,AC(380/400)V; Motor-operator: CD2-250, Us:AC(220/230)V,AC(380/400)V.

<b>Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):</b>		
<input checked="" type="checkbox"/>	<b>CB Testing Laboratory:</b>	Fujian Inspection and Research Institute for Product Quality(FQII)
<b>Testing location/ address .....</b>		No.6,Shuangfeng Road, Hongshan,Gulou District, Fuzhou,Fujian 350002 China & No.101,Baozhen Road,Mawei, Mawei District,Fuzhou,Fujian 350015 China
<b>Tested by (name, function, signature) ....:</b>		Xu Jiafeng (Engineer) 
<b>Approved by (name, function, signature) :</b>		Wei Yunming (Chief Engineer) 
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<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>		
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<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>		
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<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>		
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