

Test Report issued under the responsibility of:



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

**Report Number.....:** (2024)FQIIDQCE-0445  
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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

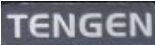
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<b>Test item description</b> .....	MCCB
<b>Trade Mark(s)</b> .....	
<b>Manufacturer</b> .....	Zhejiang Tengen Electric Co.,Ltd. / Sulv Industrial Area, Liushi Town, Yueqing City, Zhejiang Province, P.R.China
<b>Model/Type reference</b> .....	TGM3-63L, TGM3-63M, TeM5-63L, TeM5-63M
<b>Ratings</b> .....	Uimp:8kV; Ui: 800V; Ue:AC380V/400V/415V; In:10A,15A,16A,20A,25A,30A,32A,40A,50A,60A,63A; Type of over-current release: Thermal-magnetic, Electro-magnetic; Type L: Ics:18kA,Icu:25kA; Type M: Ics:25kA,Icu:35kA; Selectivity category:A; 3P,3P+N(3 protected poles with an uninterrupted neutral pole),4P; 3P,4P: suitable for isolation; 3P+N: not suitable for isolation; Matching auxiliary contact: 1NO1NC,2NO2NC,4NO4NC, Uimp:4kV; Ui:500V,Ith:3A, AC-15:380V/0.4A,DC-13:220V/0.15A; Matching alarm contact: 1NO1NC,2NO2NC,4NO4NC, Uimp:4kV;Ui:500V,Ith:3A, AC-15: 380V/0.4A,DC-13:220V/0.15A; Electronic accessory complying with annex N: Undervoltage release: Uimp:4kV;Ui:500V Us:AC(220/230/240)V,AC(380/400/415)V,50HZ; Motor-operator: Uimp:4kV;Ui:500V ; Us:AC(220/230/240)V,AC(380/400/415)V,50HZ; Shunt release with prepayment:Uimp:4kV;Ui:500V Us:AC220V,AC380V,50Hz

<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 (2) (Engineer) 
<b>Approved by (name, function, signature) :</b>		Wei Yunming (Chief Engineer) 
<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>		