



TEST REPORT IEC 60947-2

Low-voltage switchgear and controlgear - Part 2: Circuit-breakers

Report Number.....: (2018)FQIIDQ-0602

Date of issue: 2019-01-23

Name of Testing Laboratory Fujian Inspection and Research Institute Transport (FQII) preparing the Report:

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

Address.....: Sulv Industry Zone, Liushi Town, Yueqing City, Zhejiang Province,

P.R.China

Test specification:

Standard: IEC 60947-2:2016

Test procedure....:: CB Scheme

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

Test Report Form No.....: IEC60947_2H

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

Master TRF: Dated 2017-04

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Test item description.....: CBR

Trade Mark....::

TENGEN

Manufacturer:

Zhejiang Tengen Electrics Co.,Ltd. / Sulv Industry Zone, Liushi Town, Yueging City, Zhejiang Province, P.R.China

Model/Type reference:	TGM3L-250L, TGM3L-250M, TGM3L-250H	
Ratings:	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:lcs:26kA,lcu:35kA; TGM3L-250M: lcs:50kA,lcu:50kA; TGM3L-250H:lcs:50kA, lcu:65kA; I∆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≤0.2s(without time-delayed type), △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∆m:25%lcu; 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; 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	

Res	oonsible Testing Laboratory (as applica	ble), testing procedure	and testing location(s):	
	CB Testing Laboratory:	Fujian Inspection and Po Quality(Figil)	esearch Institute for Product	
Testing location/ address:		No. 121, Chan Tou Jia West Yang Qiao Road, Fuzhou, Fujiar China		
Tested by (name, function, signature):		Yang lim (Engine 文本 大) Wei Yunming		
Арр	roved by (name, function, signature):	Wei Yunming (Chief Engineer)	Jan 19 19 19 19 19 19 19 19 19 19 19 19 19	
	Testing procedure: CTF Stage 1:			
Tool	<u> </u>			
rest	ing location/ address:			
Tested by (name, function, signature):				
Approved by (name, function, signature):				
	Testing procedure: CTF Stage 2:			
Test	ing location/ address:			
Tested by (name + signature):				
Witnessed by (name, function, signature).:				
Approved by (name, function, signature):				
	Testing procedure: CTF Stage 3:			
	Testing procedure: CTF Stage 4:			
Test	ing location/ address:			
Tested by (name, function, signature):				
Witnessed by (name, function, signature) .:				
Approved by (name, function, signature):				
Supervised by (name, function, signature) :				
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