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

Report Number.............................. :	(2018)FQIIDQ-0604
Date of issue .... :	2019-01-28
Total number of pages	32

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

Test item description...................... :	CBR
Trade Mark...................................... :	TENGEN
Manufacturer .... :	Zhejiang Tengen Electrics Co.,Ltd. / Sulv Industry Zone, Liushi Town, Yueqing City, Zhejiang Province, P.R.China

Model/Type reference ....:	TGM3L-400L, TGM3L-400M, TGM3L-400H
Ratings ....:	Uimp:8kV;Ui:800V;Ue:AC400V; In:225A,250A,315A,350A,400A; Type of over-current release: Thermo-magnetic, electro-magnetic; TGM3L-400L:Ics:35kA,Icu:50kA, TGM3L-400M:Ics:65kA,Icu:65kA, TGM3L-400H: Ics:65kA,Icu:85kA; $I_\triangle$n: 50mA/ 75mA/ 100mA/ 150mA/200mA/ 300mA/ 400mA/500mA/600mA/ 800mA/1000mA (Optional three by fixed steps or one fixed)/ Type AC; Type of residual current release: Electronic; $I_\triangle$m:25%Icu; Selectivity category: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 FC38-400: 1NO1NC,2NO2NC,4NO4NC;Ith:6A; Ui:690V;AC-15: (380/400)V/1A,DC-13:(220/230)V/0.15A; Electronic accessory complying with annex N: Undervoltage release:QT38-400, Us:AC(220/230)V,AC(380/400)V; Motor-operator: CD2-400, Us:AC(220/230)V,AC(380/400)V

Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
☒ **CB Testing Laboratory:**	Fujian Inspection and Research Institute for Product Quality(FQII)	
Testing location/ address ....:	No. 12 , Zhan Tou Jiao West Yang Qiao Road, Fuzhou, Fujian , P.China	
Tested by (name, function, signature)........:	Cai Guiyu (Engineer)	
Approved by (name, function, signature) ..:	Wei Yunming (Chief Engineer)	
☐ **Testing procedure: CTF Stage 1:**		
Testing location/ address ....:		
Tested by (name, function, signature):		
Approved by (name, function, signature) ..:		
☐ **Testing procedure: CTF Stage 2:**		
Testing 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:**		
Testing location/ address ....:		
Tested by (name, function, signature):		
Witnessed by (name, function, signature) .:		
Approved by (name, function, signature) ..:		
Supervised by (name, function, signature) :		
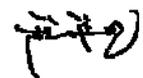
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