

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-0334

Date of issue.....: 2023-10-25

Total number of pages.....: 28

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

Copyright © 2023 IEC System of Conformity Assessment Schemes for Electrotechnical Equipment and Components (IECEE System). All rights reserved.

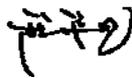
This publication may be reproduced in whole or in part for non-commercial purposes as long as the IECEE is acknowledged as copyright owner and source of the material. IECEE takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.

This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.

General disclaimer:

The test results presented in this report relate only to the object tested.
This report shall not be reproduced, except in full, without the written approval of the Issuing CB Testing Laboratory. The authenticity of this Test Report and its contents can be verified by contacting the NCB, responsible for this Test Report.

Test item description	CBR
Trade Mark(s)	TENGEN
Manufacturer	Zhejiang Tengen Electric Co.,Ltd. / Sulv Industrial Area, 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 Δ 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 Δ 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):		
<input checked="" type="checkbox"/>	CB Testing Laboratory:	Fujian Inspection and Research Institute for Product Quality(FQII)
Testing location/ address		No.6,Shuangfeng Road, Hongshan,Gulou District, Fuzhou,Fujian 350002 China & No.101,Baozhen Road,Mawei, Mawei District,Fuzhou,Fujian 350015 China
Tested by (name, function, signature):		Xu Jiafeng (Engineer) 
Approved by (name, function, signature) :		Wei Yunming (Chief Engineer) 
<hr/>		
<input type="checkbox"/>	Testing procedure: CTF Stage 1:	
Testing location/ address		
Tested by (name, function, signature) :		
Approved by (name, function, signature) :		
<hr/>		
<input type="checkbox"/>	Testing procedure: CTF Stage 2:	
Testing location/ address		
Tested by (name + signature)		
Witnessed by (name, function, signature) :		
Approved by (name, function, signature) :		
<hr/>		
<input type="checkbox"/>	Testing procedure: CTF Stage 3:	
<input type="checkbox"/>	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)		