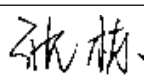
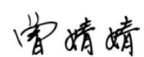




<b>TEST REPORT</b> <b>EN 60947-4-1</b> <b>Low voltage switchgear and controlgear</b> <b>Part 4: Contactors and motor-starters</b> <b>Section 1 - Electromechanical contactors and motor-starters</b>	
<b>Report Number.....:</b>	00901-CE2022CQC0305-012883
<b>Date of issue.....:</b>	2023-05-23
<b>Total number of pages.....:</b>	96
<b>Name of Testing Laboratory preparing the Report.....:</b>	Shanghai Testing & Inspection Institute for Electrical Equipment Co. , Ltd. (STIEE)
<b>Applicant's name.....:</b>	Zhejiang Tengen Electric Co.,Ltd.
<b>Address.....:</b>	Sulv Industrial Area, Liushi Town, Yueqing City, Zhejiang Province, P.R.China
<b>Test specification:</b>	
<b>Standard.....:</b>	EN IEC 60947-4-1:2019
<b>Test procedure.....:</b>	CCA
<b>Non-standard test method.....:</b>	N/A
<b>Test Report Form No.....:</b>	60947_4_1D
<b>Test Report Form(s) Originator.....:</b>	DEKRA Certification B.V.
<b>Master TRF.....:</b>	Dated 2019-05-14
<b>Copyright © 2019 IEC System of Conformity Assessment Schemes for Electrotechnical Equipment and Components (IECEE System). All rights reserved.</b>	
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.	
<b>General disclaimer:</b>	
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.	

<b>Test item description.....:</b>	Thermal overload relay	
<b>Trade Mark.....:</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>	TGR1-38,TGRH-38,TGRK-38	
<b>Ratings.....:</b>	See page 13	
<b>Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):</b>		
<input checked="" type="checkbox"/>	<b>Testing Laboratory:</b>	Shanghai Testing & Inspection Institute for Electrical Equipment Co. , Ltd. (STIEE)
<b>Testing location/ address.....:</b>		505 Wu Ning Road Shanghai P. R. China
<b>Tested by (name, function, signature).....:</b>		Shen Dong/Engineer 
<b>Approved by (name, function, signature)....:</b>		Zeng Jingjing/Senior 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>		

**List of Attachments (including a total number of pages in each attachment): N/A**

**Summary of testing:**

**Tests performed (name of test and test clause):**

Main Testing(EN IEC 60947-4-1:2019)		
Test Sequence I		
TGR1-38 (#01)	30~38A	
TGR1-38 (#05)	23~32A	Only 9.3.3.2
TGR1-38 (#06)	17~25A	Only 9.3.3.2
TGR1-38 (#07)	12~18A	Only 9.3.3.2
TGR1-38 (#08)	9~13A	Only 9.3.3.2
Test Sequence III		
TGR1-38 (#02)	30~38A	
TGR1-38 (#03)	30~38A	

**Testing location:**

Shanghai Testing & Inspection Institute for Electrical Equipment Co. Ltd. (STIEE)/ 505 Wu Ning Road Shanghai P. R. China

**Summary of compliance with National Differences (List of countries addressed):N/A**

☐ The product fulfils the requirements of \_\_\_\_\_ (insert standard number and edition and delete the text in parenthesis, leave it blank or delete the whole sentence, if not applicable)