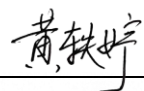
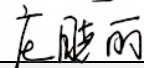




TEST REPORT EN IEC 60947-4-1 Low voltage switchgear and controlgear Part 4: Contactors and motor-starters Section 1 - Electromechanical contactors and motor-starters	
Report Number.....	00901-CE2024CQC0305-014393
Date of issue.....	2024-01-04
Total number of pages	110
Name of Testing Laboratory preparing the Report	Shanghai Testing & Inspection Institute for Electrical Equipment Co. , Ltd. (STIEE)
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 IEC 60947-4-1:2019
Test procedure	CCA Scheme
Non-standard test method	N/A
Test Report Form No.	60947_4_1D
Test Report Form(s) Originator	DEKRA Certification B.V.
Master TRF	Dated 2023-11-10
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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..... :	Thermal overload relay	
Trade Mark..... :	TENGEN	
Manufacturer	Zhejiang Tengen Electric Co.,Ltd./ Sulv Industrial Area, Liushi Town, Yueqing City, Zhejiang Province, P.R.China	
Model/Type reference	TGR1-95,TGRH-95,TGRK-95,TGR1-100,TGRH-100,TGRK-100	
Ratings	See page 14	
Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
<input checked="" type="checkbox"/>	Testing Laboratory:	Shanghai Testing & Inspection Institute for Electrical Equipment Co. , Ltd. (STIEE)
Testing location/ address..... :		505 Wu Ning Road Shanghai P. R. China
Tested by (name, function, signature)..... :		Huang Yiting/Engineer 
Approved by (name, function, signature).... :		Zhuang Xiaoli/Senior engineer 
<input type="checkbox"/>	Testing procedure: CTF Stage 1:	
Testing location/ address..... :		
Tested by (name, function, signature)..... :		
Approved by (name, function, signature).... :		
<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).... :		
<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) :		

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		
TGR1-100 ¹⁾ (#01)	86~100A	
TGR1-100 ¹⁾ (#06)	80~95A	Only 9.3.3.2
TGR1-100 ¹⁾ (#07)	63~80A	Only 9.3.3.2
TGR1-100 ¹⁾ (#08)	55~70A	Only 9.3.3.2
TGR1-100 ¹⁾ (#09)	48~65A	Only 9.3.3.2
TGR1-100 ¹⁾ (#10)	37~50A	Only 9.3.3.2
TGR1-100 ¹⁾ (#11)	30~40A	Only 9.3.3.2
TGR1-100 ¹⁾ (#12)	23~32A	Only 9.3.3.2
Test Sequence III		
TGR1-100 ¹⁾ (#02)	86~100A	
TGR1-100 ¹⁾ (#03)	86~100A	
Test Sequence V		
TGR1-100 ¹⁾ (#05)	86-100A	

Remark:

1): Data of these samples comes from the report No. 00901-V2021CQC107502-856311;

Testing location: (CBTL, SPTL, CTF, Subcontractor)

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