



Test Report issued under the responsibility of:



**TEST REPORT**  
**IEC 60947-4-1**  
**Low voltage switchgear and controlgear**  
**Part 4: Contactors and motor-starters**  
**Section 1 - Electromechanical contactors and motor-starters**

Report Number .....: 03601-A-21CB0133-S-A

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Name of Testing Laboratory  
preparing the Report.....: Suzhou Electrical Apparatus Science Research Institute Co.,  
Ltd. (EETI)

Applicant's name.....: Zhejiang Tengen Electric Co., Ltd.  
Address .....: Sulv Industrial Area, Liushi Town, Yueqing City, Zhejiang  
Province, P.R.China.

**Test specification:**

Standard .....: IEC 60947-4-1:2018

Test procedure .....: CB Scheme

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

Test Report Form No. ....: IEC60947\_4\_1D

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

Master TRF .....: Dated 2019-05-14

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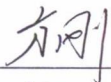
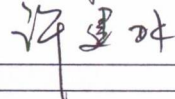
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<b>Test item description .....</b>	AC Contactor	
<b>Trade Mark .....</b>	TENGEN	
<b>Manufacturer .....</b>	Zhejiang Tengen Electric Co., Ltd. Sulv Industrial Area, Liushi Town, Yueqing City, Zhejiang Province, P.R.China.	
<b>Model/Type reference .....</b>	TGCA-3211, TGCA-3211N, TGCA-3811, TGCA-3811N	
<b>Ratings .....</b>	Ui:690V;Uimp:6kV;lth:50A; AC-1: TGCA-3211:Ue/Ie:220V/230V;380V/400V/50A; TGCA-3811:Ue/Ie:220V/230V;380V/400V/50A; TGCA-3211N: Ue/Ie:220V/230V;380V/400V/50A; TGCA-3811N: Ue/Ie:220V/230V;380V/400V/50A; AC-3: TGCA-3211:Ue/Ie:220V/230V/32A ;380V/400V/32A; 660V/690V/22A; TGCA-3811 :Ue/Ie: 220V/230V/38A;380V/400V/38A; 660V/690V/22A; AC-4: TGCA-3211:Ue/Ie:220V/230V/12A;380V/400V/12A;660V/690V/7.5A ; TGCA-3811 : Ue/Ie:220V/230V/14A;380V/400V/14A;660V/690V/8.9A ; TGCA-3211N: Ue/Ie:220V/230V/12A;380V/400V/12A;660V/690V/7.5A ; TGCA-3811N: Ue/Ie:220V/230V/14A;380V/400V/14A;660V/690V/8.9A ; Us:AC24V,AC36V,AC48V,AC110V,AC220V,AC380V,AC400V,AC415V,50Hz; AC24V,AC36V,AC48V,AC110V,AC220V,AC380V,AC400V,AC415V, 50/60Hz; Utilization category:AC-1, AC-3,AC-4; Number of poles:3P; IP20; Attached auxiliary contact: 1NO,1NC,2sets; lth:10A;Ui:690V;Uimp:6kV; AC-15:1.6A/220V,0.95A/380V, DC-13:0.15A/220V	
<b>Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):</b>		
<input checked="" type="checkbox"/> <b>CB Testing Laboratory:</b>	Suzhou Electrical Apparatus Science Research Institute Co., Ltd. (EETI)	
<b>Testing location/ address .....</b>	No.7 Yonghe Street, Binhe Road, New District, Suzhou, China	
<b>Tested by (name, function, signature) .....</b>	Fang Gang (Team leader)	
<b>Approved by (name, function, signature) .....</b>	Xu Jianlin (Supervisor)	
<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>		