

Test Report issued under the responsibility of:



**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. ....: 03601-A-21D0088-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 .....: EN IEC 60947-4-1:2019

Test procedure .....: CCA Scheme

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

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

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

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

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Test item description .....	AC Contactor	
Trade Mark .....	TENGEN	
Manufacturer .....	Zhejiang Tengen Electric Co., Ltd. Sulv Industrial Area, Liushi Town, Yueqing City, Zhejiang Province, P.R. China.	
Model/Type reference .....	TGCA-4011, TGCA-4011N, TGCA-5011, TGCA-5011N, TGCA-6511, TGCA-6511N	
Ratings .....	Ui:690V;Uimp:6kV; Ith: TGCA-4011, TGCA-4011N:60A; TGCA-5011, TGCA-6511, TGCA-5011N, TGCA-6511N:80A; AC-1: TGCA-4011, TGCA-4011N:Ue/Ie:220V/230V;380V/400V/60A; TGCA-5011, TGCA-6511, TGCA-5011N, TGCA-6511N : Ue/Ie:220V/230V;380V/400V/80A; AC-3: TGCA-4011:Ue/Ie:220V/230V/40A ;380V/400V/40A; 660V/690V/34A; TGCA-5011 :Ue/Ie: 220V/230V/50A;380V/400V/50A; 660V/690V/39A; TGCA-6511 :Ue/Ie: 220V/230V/65A;380V/400V/65A; 660V/690V/42A; AC-4: TGCA-4011, TGCA-4011N: Ue/Ie:220V/230V/18.5A;380V/400V/18.5A;660V/690V/9A; TGCA-5011, TGCA-5011N : Ue/Ie:220V/230V/24A;380V/400V/24A;660V/690V/12A; TGCA-6511, TGCA-6511N: Ue/Ie:220V/230V/28A;380V/400V/28A;660V/690V/14A; 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; Ith:10A;Ui:690V;Uimp:6kV; AC-15:1.6A/220V,0.95A/380V, DC-13:0.15A/220V	
Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
<input checked="" type="checkbox"/> Testing Laboratory:	Suzhou Electrical Apparatus Science Research Institute Co., Ltd. (EETI)	
Testing location/ address .....	No.7 Yonghe Street, Binhe Road, New District, Suzhou, China	
Tested by (name, function, signature) .....	Fang Gang (Team leader)	方刚
Approved by (name, function, signature) .....	Xu Jianlin (Supervisor)	许建林
<input type="checkbox"/> Testing procedure: CTF Stage 1:		
Testing location/ address .....		
Tested by (name, function, signature) .....		